APPENDIX G
Hazardous Materials Documentation

APPENDIX G1
EDR Search of Specific Plan Area

Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Inquiry Number: 3599441.2s
May 07, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

MULTIPLE ADDRESSES
DUARTE, CA 91010

COORDINATES

Latitude (North):	34.1336000 - 34° 8' 0.96''
Longitude (West):	117.9687000 - 117° 58' 7.32''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410679.3
UTM Y (Meters):	3777198.2
Elevation:	487 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34117-B8 AZUSA, CA
Most Recent Revision:	1972
South Map:	34117-A8 BALDWIN PARK, CA
Most Recent Revision:	1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

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

NPL---------- National Priority List

EXECUTIVE SUMMARY

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

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

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

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

SLIC ---------- Statewide SLIC Cases
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties

INDIAN VCP	Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS	A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
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

Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
AOCONCERN	San Gabriel Valley Areas of Concern
CDL	Clandestine Drug Labs
US HIST CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information
LIENS	Environmental Liens Listing
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
RADINFO Radiation Information Database
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System
RMP Risk Management Plans
CA BOND EXP. PLAN Bond Expenditure Plan
UIC UIC Listing
NPDES NPDES Permits Listing
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
DRYCLEANERS Cleaner Facilities
LOS ANGELES CO. HMS HMS: Street Number List
ENF Enforcement Action Listing
HAZNET Facility and Manifest Data
EMI Emissions Inventory Data
INDIAN RESERV Indian Reservations
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR Financial Assurance Information
EPA WATCH LIST EPA WATCH LIST
WDS Waste Discharge System
PRP Potentially Responsible Parties
US AIRS Aerometric Information Retrieval System Facility Subsystem
2020 COR ACTION 2020 Corrective Action Program List
Financial Assurance Financial Assurance Information Listing
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
COAL ASH DOE Steam-Electric Plant Operation Data
MWMP Medical Waste Management Program Listing
PCB TRANSFORMER PCB Transformer Registration Database
PROC Certified Processors Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GE AVIATION SYSTEMS LLC - DUAR	*1700 BUSINESS CENTER DR*	*0 - 1/8 (0.000 mi.)*	*A3*	*10*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CITY OF HOPE MEDICAL CENTER	*1500 E DUARTE RD*	*WSW 0 - 1/8 (0.061 mi.)*	*21*	*42*

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 02/12/2013 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAIN BIRD CONSUMER PROD MFG CO	*1750 EVERGREEN*	*0 - 1/8 (0.000 mi.)*	*B5*	*16*
HOLMES BODY SHOP INC	*1801 HIGHLAND AVE*	*0 - 1/8 (0.001 mi.)*	*C10*	*21*
GOLDEN STATE HYDRAULICS	*1718 HIGHLAND AVE UNIT*	*E 0 - 1/8 (0.002 mi.)*	*C11*	*23*
HOLMES BODY SHOP DUARTE INC	*1718 HIGHLAND AVE*	*E 0 - 1/8 (0.002 mi.)*	*C13*	*25*
SARI ART AND PRINTING	*1803 BUSINESS CENTER DR*	*ENE 0 - 1/8 (0.010 mi.)*	*C15*	*27*
PACIFIC SCIENTIFIC HTL/KIN-TEC	*1800 HIGHLAND AVE.*	*E 0 - 1/8 (0.020 mi.)*	*C16*	*30*
DISCOPY LABS INC	*1848 EVERGREEN AVE*	*ENE 0 - 1/8 (0.032 mi.)*	*D18*	*37*
APPLE GRAPHICS INC	*1858 EVERGREEN ST*	*ENE 0 - 1/8 (0.043 mi.)*	*D20*	*39*
ASSEMBLY AUTOMATION	*1858 BUSINESS CTR DR*	*E 1/8 - 1/4 (0.145 mi.)*	*E26*	*76*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
DUARTE HIGH	*1565 E CENTRAL*	*NW 1/8 - 1/4 (0.129 mi.)*	*23*	*73*

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is

1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIBRWRAP CONSTRUCTION INC	1710 EVERGREEN STREET	0 - 1/8 (0.000 mi.)	B4	14

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 03/13/2013 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC UNITS, INC. Status: Refer: Other Agency	***1700 BUSINESS CENTER DR***	***0 - 1/8 (0.000 mi.)***	***A1***	***8***
FORMER LERNER'S GAS STATION Status: Refer: Local Agency	2107 HUNTINGTON DRIVE	NE 1/2 - 1 (0.504 mi.)	34	89
TDH GOLD CLEANING Status: Refer: Other Agency	2300 E. CENTRAL AVENUE	ENE 1/2 - 1 (0.632 mi.)	35	90

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST PRODUCTIONS CO Status: No Further Action	***2240 BUENA VISTA***	***SW 1/2 - 1 (0.707 mi.)***	***36***	***91***

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 03/18/2013 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER Status: Completed - Case Closed	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.315 mi.)***	***30***	***80***
CITY OF DUARTE Status: Completed - Case Closed	***1427 BUENA VISTA ST***	***WNW 1/4 - 1/2 (0.431 mi.)***	***32***	***85***
JOHN'S FOREIGN CAR REPAIR Status: Open - Site Assessment	***1405 HUNTINGTON DR***	***NW 1/4 - 1/2 (0.457 mi.)***	***33***	***87***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104	***1815 BUENA VISTA ST***	***WSW 1/4 - 1/2 (0.399 mi.)***	***31***	***82***
Status: Completed - Case Closed				

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, and dated 03/18/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL CENTER	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.061 mi.)***	***21***	***42***

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1700 BUSINESS CENTER DR	0 - 1/8 (0.000 mi.)	A2	10

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC UNITS INC	***1700 BUSINESS CENTER DR***	***0 - 1/8 (0.000 mi.)***	***6***	***17***
(FORMERLY) PIONEER ELECTRONICS	1801 S HIGHLAND AVE	0 - 1/8 (0.001 mi.)	C8	20

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL CENTER	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.061 mi.)***	***21***	***42***

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC UNITS, INC.	***1700 BUSINESS CENTER DR***	***0 - 1/8 (0.000 mi.)***	***A1***	***8***
PIONEER ELECTRONICS, INC.	1801 HIGHLAND AVE	0 - 1/8 (0.001 mi.)	C7	19
PAC SCIENTIFIC	***1800 HIGHLAND AVE***	***E 0 - 1/8 (0.020 mi.)***	***C17***	***33***
FEDERICO'S BAKERY	1860 EVERGREEN ST	ENE 0 - 1/8 (0.043 mi.)	D19	38
MAJESTIC PARTY SALES, INC.	1857 BUSINESS CENTER DR	E 1/8 - 1/4 (0.137 mi.)	E24	74

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL CENTER	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.061 mi.)***	***21***	***42***

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC UNITS INC	***1700 BUSINESS CENTER DR***	***0 - 1/8 (0.000 mi.)***	***6***	***17***
PIONEER ELECTRONICS	***1801 S HIGHLAND AVE***	***0 - 1/8 (0.001 mi.)***	***C9***	***20***
FREDRICKS DEVELOPMENT CORP	1315 HIGHLAND AVE	NNE 1/8 - 1/4 (0.207 mi.)	28	79

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL CENTER	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.061 mi.)***	***21***	***42***
DUARTE NISSAN	1440 CENTRAL	WNW 1/8 - 1/4 (0.232 mi.)	29	79

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 02/12/2013 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
IBIS SYSTEMS INC	***1850 EVERGEEN DR***	***ENE 1/8 - 1/4 (0.141 mi.)***	***25***	***75***

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.315 mi.)***	***30***	***80***
CITY OF DUARTE	***1427 BUENA VISTA ST***	***WNW 1/4 - 1/2 (0.431 mi.)***	***32***	***85***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CHEVRON #9-4104	***1815 BUENA VISTA ST***	***WSW 1/4 - 1/2 (0.399 mi.)***	***31***	***82***

WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there are 5 WIP sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC UNITS INC	***1700 BUSINESS CENTER DR***	***0 - 1/8 (0.000 mi.)***	***6***	***17***
GOLDEN STATE HYDRAULICS	***1718 HIGHLAND AVE UNIT***	***E 0 - 1/8 (0.002 mi.)***	***C11***	***23***
PAC SCIENTIFIC	***1800 HIGHLAND AVE***	***E 0 - 1/8 (0.020 mi.)***	***C17***	***33***
OCCUPANT	1802 SANTO DOMINGO AVE	E 1/8 - 1/4 (0.126 mi.)	E22	73
HOFFMAN EDUCATIONAL SYSTEM	1863 BUSINESS CENTER DR	E 1/8 - 1/4 (0.161 mi.)	E27	79

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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 US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1718 HIGHLAND AVE	E 0 - 1/8 (0.002 mi.)	C12	24

EXECUTIVE SUMMARY

EDR US Hist 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.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1512 HIGHLAND AVE	NE 0 - 1/8 (0.003 mi.)	D14	27

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 27 records.

Site Name	Database(s)
SIAM MINH MOBIL STATION	HIST CORTESE
PECK ROAD GRAVEL PIT (ENGINEERED F	SWF/LF, NPDES, LDS
DUARTE CITY LANDFILL (FISH CANYON	LDS
CITY OF SAN MARINO - DUMP	SWF/LF
NU-WAY INDUSTRIES, INC	SWF/LF, LOS ANGELES CO. HMS
SIMPSON CO	SWF/LF
FORMER SOUTHLAND CORPORATION	LUST
METRO GOLD LINE FOOTHILL EXTENSION	VCP, ENVIROSTOR
BROTHERS #1	HIST UST
EXXON SERVICE STATION	HIST UST
	AST
DUARTE HIGH SCHOOL	HAZNET
DUARTE HIGH SCHOOL	HAZNET
DUARTE HIGH SCHOOL	HAZNET
NAVAL AIR WEAPONS STATION	HAZNET
HEALTH VALLEY FOODS	RCRA-SQG, FINDS, WIP, HAZNET
CHEVRON USA STATION #5098	HAZNET
CUSTOMATION IND ARTS	RCRA-SQG, FINDS
ARTISIA STATION, FLASHERS AND BELL	ERNS
HANES GENERATING STATION NONE	ERNS
NEXT PORT OF CALL IS LONG BEACH WI	ERNS
UNION STATION	ERNS
FORMER LERNER'S SERVICE STATION	US BROWNFIELDS, FINDS
BOCK MACHINE INC.	WIP
VAN ASCH INC.	WIP
DUARTE COM SERV DIST (DEST)	LOS ANGELES CO. HMS
DUARTE JACONSON FAMILY HOLDING	LOS ANGELES CO. HMS

OVERVIEW MAP - 3599441.2s

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

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

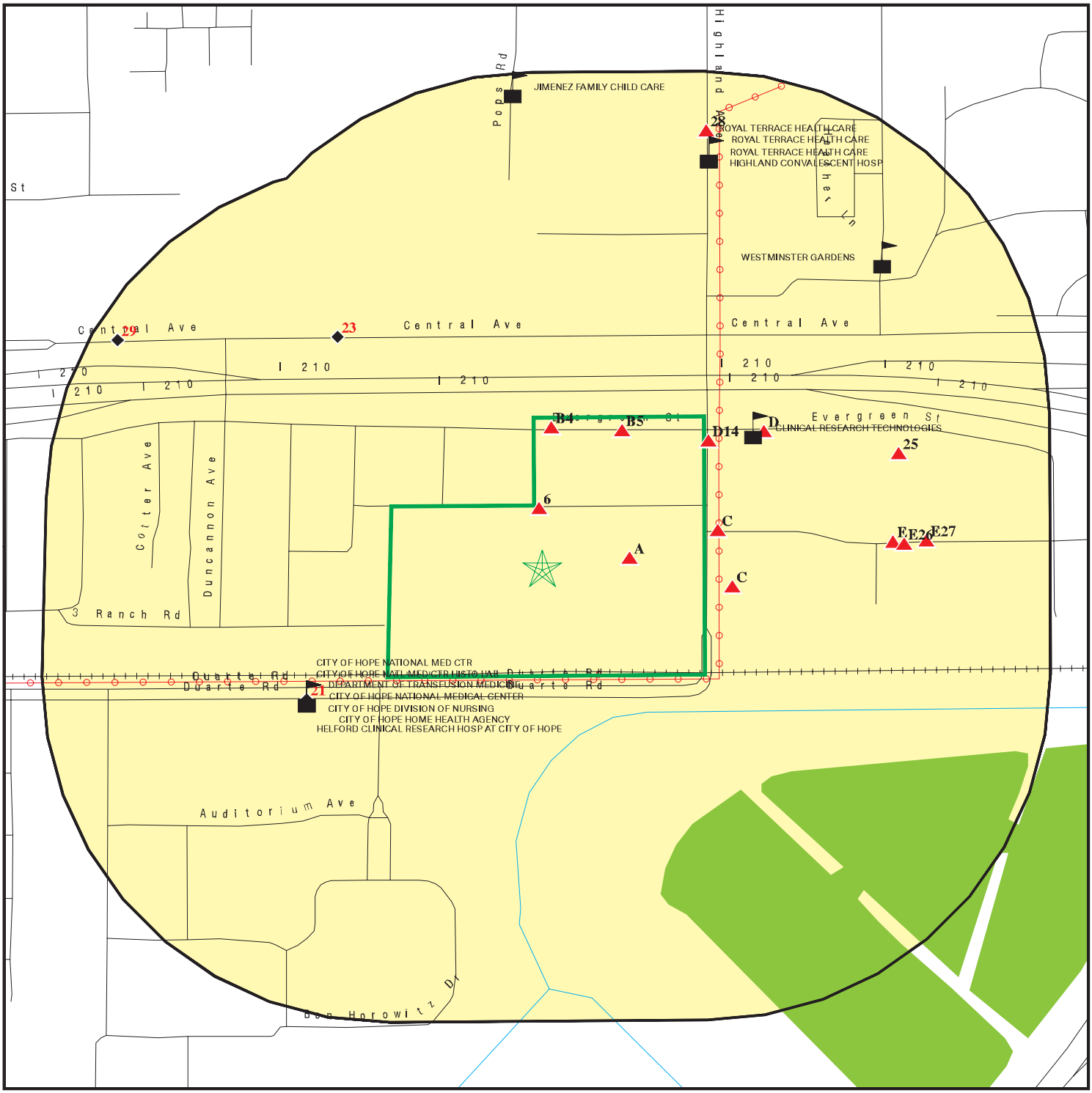
Areas of Concern

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:	Duarte Station Specific Plan	CLIENT:	RBF Consulting
ADDRESS:	Multiple Addresses Duarte CA 91010	CONTACT:	Kristen Bogue
LAT/LONG:	34.1336 / 117.9687	INQUIRY #:	3599441.2s
		DATE:	May 07, 2013 4:23 pm

DETAIL MAP - 3599441.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

0 1/16 1/8 1/4 Miles

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: Duarte Station Specific Plan	CLIENT: RBF Consulting
ADDRESS: Multiple Addresses	CONTACT: Kristen Bogue
Duarte CA 91010	INQUIRY #: 3599441.2s
LAT/LONG: 34.1336 / 117.9687	DATE: May 07, 2013 4:27 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	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								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
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		2	0	NR	NR	NR	2
RCRA-SQG	0.250		8	2	NR	NR	NR	10
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	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	0	0	3	NR	4
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		0	0	4	NR	NR	4

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
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
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
Local Lists of Hazardous waste / Contaminated Sites								
US 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
Toxic Pits	1.000		0	0	0	0	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		3	0	NR	NR	NR	3
HIST UST	0.250		5	1	NR	NR	NR	6
SWEEPS UST	0.250		3	2	NR	NR	NR	5
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

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
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
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		3	2	NR	NR	NR	5
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	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
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		1	0	NR	NR	NR	1
EDR US Hist Cleaners	0.250		1	0	NR	NR	NR	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
< 1/8
1 ft.

HYDRAULIC UNITS, INC.
1700 BUSINESS CENTER DR
DUARTE, CA 91010

NPDES U001566475
HIST UST N/A
ENVIROSTOR

Site 1 of 3 in cluster A

Relative:
Higher

Actual:
490 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	343304
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I021513
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	GE Aviation Systems LLC
Discharge Address:	1700 Business Center Dr
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010

HIST UST:

Region:	STATE
Facility ID:	00000020927
Facility Type:	Not reported
Other Type:	MACHINE SHOP
Total Tanks:	0002
Contact Name:	Not reported
Telephone:	8183599211
Owner Name:	HYDRAULIC UNITS, INC.
Owner Address:	1700 BUSINESS CENTER DRIVE
Owner City,St,Zip:	DUARTE, CA 91010
Tank Num:	001
Container Num:	#1
Year Installed:	1964
Tank Capacity:	00004060
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	#2
Year Installed:	1962
Tank Capacity:	00002011
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None

ENVIROSTOR:

HYDRAULIC UNITS, INC. (Continued) **U001566475**

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Facility ID: 71002242
Site Code: Not reported
Assembly: 48
Senate: 25
Special Program: Not reported
Status: Refer: Other Agency
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.13368
Longitude: -117.9689
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008503112
Alias Type: EPA Identification Number
Alias Name: 110000476556
Alias Type: EPA (FRS #)
Alias Name: 71002242
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

A2 **AST** **A100344616**
1700 BUSINESS CENTER DR **N/A**
< 1/8 **DUARTE, CA 91010**
1 ft.

Site 2 of 3 in cluster A

Relative: AST:
Higher Owner: GE AVIATION SYSTEMS
Total Gallons: 3701
Actual: Certified Unified Program Agencies: Los Angeles County
490 ft.

A3 **GE AVIATION SYSTEMS LLC - DUARTE** **RCRA-LQG** **1000385001**
1700 BUSINESS CENTER DRIVE **TRIS** **91010DWTYR17**
< 1/8 **DUARTE, CA 91010** **FINDS**
1 ft.

Site 3 of 3 in cluster A

Relative: RCRA-LQG:
Higher Date form received by agency: 02/27/2012
Facility name: GE AVIATION SYTEMS, LLC
Actual: Facility address: 1700 BUSINESS CENTER DRIVE
490 ft. DUARTE, CA 91010
EPA ID: CAD008503112
Mailing address: BUSINESS CENTER DRIVE
DUARTE, CA 91010
Contact: LONNIE R OLSEN
Contact address: BUSINESS CENTER DRIVE
DUARTE, CA 91010
Contact country: Not reported
Contact telephone: (626) 246-0753
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: GE AVIATION SYSTEMS, LLC
Owner/operator address: PATTERSON AVE SE
GRAND RAPIDS, MI 49512
Owner/operator country: Not reported
Owner/operator telephone: (616) 241-7000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/04/2007
Owner/Op end date: Not reported

Owner/operator name: GE AVIATION SYSTEMS, LLC

GE AVIATION SYSTEMS LLC - DUARTE (Continued) **1000385001**

Owner/operator address: PATTERSON AVE SE
GRAND RAPIDS, MI 49512
Owner/operator country: US
Owner/operator telephone: (616) 241-7000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2007
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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: 01/07/2008
Facility name: GE AVIATION SYTEMS, LLC
Site name: GE AVIATION SYSTEMS LLC
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Small Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Large Quantity Generator

Date form received by agency: 07/10/2001
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Small Quantity Generator

GE AVIATION SYSTEMS LLC - DUARTE (Continued) **1000385001**

Date form received by agency: 09/01/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LA
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

GE AVIATION SYSTEMS LLC - DUARTE (Continued) **1000385001**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 2237

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 883

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 35040

Waste code: D008
Waste name: LEAD
Amount (Lbs): 54

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2237

Violation Status: No violations found

GE AVIATION SYSTEMS LLC - DUARTE (Continued) **1000385001**

Evaluation Action Summary:
Evaluation date: 02/23/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

TRIS:

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

FINDS:

Registry ID: 110000476556

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

HAZARDOUS WASTE BIENNIAL REPORTER

B4 **FIBRWRAP CONSTRUCTION INC** **RCRA-CESQG** **1008402359**
1710 EVERGREEN STREET **CAR000130260**
< 1/8 **DUARTE, CA 91702**
1 ft.

Site 1 of 2 in cluster B

Relative: Higher

Actual: 491 ft.

RCRA-CESQG:
Date form received by agency: 10/21/2002
Facility name: FIBRWRAP CONSTRUCTION INC
Facility address: 1710 EVERGREEN STREET
DUARTE, CA 91702
EPA ID: CAR000130260
Contact: JUSTIN S YABROF
Contact address: 1710 EVERGREEN STREET
DUARTE, CA 91702
Contact country: US
Contact telephone: 626-358-9840
Telephone ext.: 14
Contact email: Not reported
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator

FIBRWRAP CONSTRUCTION INC (Continued) **1008402359**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	EDWARD FYFE
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1988
Owner/Op end date:	Not reported

Owner/operator name:	HEATH CARR
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1995
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

Hazardous Waste Summary:

Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

FIBRWRAP CONSTRUCTION INC (Continued) **1008402359**

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: U002
Waste name: ACETONE (I)

Violation Status: No violations found

B5 **RAIN BIRD CONSUMER PROD MFG CORP** **RCRA-SQG 1000304163**
1750 EVERGREEN **FINDS CAD098601685**
< 1/8 **DUARTE, CA 91010**
1 ft.

Site 2 of 2 in cluster B

Relative: Higher

Actual: 494 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: RAIN BIRD CONSUMER PROD MFG CORP
Facility address: 1750 EVERGREEN
DUARTE, CA 91010
EPA ID: CAD098601685
Mailing address: PO BOX 37
GLENDORA, CA 91740
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
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
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ANTHONY W LA FETRA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

RAIN BIRD CONSUMER PROD MFG CORP (Continued) **1000304163**

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: 01/28/1981
Facility name: RAIN BIRD CONSUMER PROD MFG CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002665893

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.

6
< 1/8
1 ft.

Relative: Higher

Actual: 487 ft.

HYDRAULIC UNITS INC
1700 BUSINESS CENTER DR
DUARTE, CA

CA FID UST **1000353954**
SWEEPS UST **N/A**
WIP
WDS

CA FID UST:
Facility ID: 19000025
Regulated By: UTNKA
Regulated ID: 00020927
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 1700 E BUSINESS CENTER DR
Mailing Address 2: Not reported
Mailing City,St,Zip: DUARTE
Contact: Not reported

HYDRAULIC UNITS INC (Continued) **1000353954**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 686
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

WIP:
Region: 4
File Number: 106.2045
File Status: Not reported
Staff: DRASMUSS
Facility Suite: Not reported

CA WDS:
Facility ID: 4 19I016617
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 6263599211
Facility Contact: TIM NEUMANN
Agency Name: SMITHS AEROSPACE ACTUATION
Agency Address: 1700 Business Center Dr
Agency City,St,Zip: Duarte 910102859
Agency Contact: TIM NEUMANN
Agency Telephone: 6263599211
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: Not reported

HYDRAULIC UNITS INC (Continued) **1000353954**

Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

C7 **PIONEER ELECTRONICS, INC.** **HIST UST** **U001566483**
1801 HIGHLAND AVE **N/A**
< 1/8 **DUARTE, CA 91010**
0.001 mi.
3 ft. **Site 1 of 10 in cluster C**

Relative:
Higher

Actual:
494 ft.

HIST UST:

Region:	STATE
Facility ID:	00000020936
Facility Type:	Other
Other Type:	MANUFACTURING
Total Tanks:	0003
Contact Name:	WALTER H. BIELY
Telephone:	8183599271
Owner Name:	PIONEER ELECTRONICS TECH. INC.
Owner Address:	1801 HIGHLAND AVENUE
Owner City,St,Zip:	DUARTE, CA 91010
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00000763
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3

PIONEER ELECTRONICS, INC. (Continued) **U001566483**

Year Installed:	1966
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None

C8 **(FORMERLY) PIONEER ELECTRONICS** **CA FID UST** **S101582711**
1801 S HIGHLAND AVE **N/A**
< 1/8 **DUARTE, CA 91010**
0.001 mi.
3 ft. **Site 2 of 10 in cluster C**

Relative:
Higher

Actual:
494 ft.

CA FID UST:

Facility ID:	19001157
Regulated By:	UTNKI
Regulated ID:	00020936
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	17835 VENTURA BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	DUARTE 91010
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

C9 **PIONEER ELECTRONICS** **SWEEPS UST** **S105034013**
1801 S HIGHLAND AVE **LOS ANGELES CO. HMS** **N/A**
< 1/8 **DUARTE, CA 91010**
0.001 mi.
3 ft. **Site 3 of 10 in cluster C**

Relative:
Higher

Actual:
494 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6221
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-000-006221-000001
Actv Date:	Not reported
Capacity:	763
Tank Use:	EMPTY
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

PIONEER ELECTRONICS (Continued) **S105034013**

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 006007-006221
Facility Type: T0
Facility Status: Removed
Area: 3R
Permit Number: 00000134T
Permit Status: Removed

Region: LA
Facility Id: 006007-I06221
Facility Type: I02
Facility Status: Closed
Area: 3R
Permit Number: 000008565
Permit Status: Closed

C10 **HOLMES BODY SHOP INC** **RCRA-SQG 1000298574**
1801 HIGHLAND AVE **FINDS CAD097032882**
< 1/8 **DUARTE, CA 91010** **LOS ANGELES CO. HMS**
0.001 mi.
3 ft. **Site 4 of 10 in cluster C**

Relative: Higher

Actual: 494 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: HOLMES BODY SHOP INC
Facility address: 1801 HIGHLAND AVE
DUARTE, CA 91010
EPA ID: CAD097032882
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
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
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HOLMES BODY SHOP INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

HOLMES BODY SHOP INC (Continued) **1000298574**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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: 12/25/1985
Facility name: HOLMES BODY SHOP INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002665349

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.

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 006007-008964
Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

Region: LA
Facility Id: 006007-I08964
Facility Type: I02

HOLMES BODY SHOP INC (Continued) **1000298574**

Facility Status: Closed
Area: 3R
Permit Number: 000010264
Permit Status: Closed

Region: LA
Facility Id: 006007-I08973
Facility Type: I01
Facility Status: Removed
Area: 3R
Permit Number: 000012125
Permit Status: Removed

C11 **GOLDEN STATE HYDRAULICS** **RCRA-SQG 1000820056**
East **1718 HIGHLAND AVE UNIT A** **FINDS CAD983660770**
< 1/8 **DUARTE, CA 91010** **WIP**
0.002 mi.
12 ft. **Site 5 of 10 in cluster C**

Relative: Higher

Actual: 493 ft.

RCRA-SQG:
Date form received by agency: 02/25/1993
Facility name: GOLDEN STATE HYDRAULICS
Facility address: 1718 HIGHLAND AVE UNIT A
DUARTE, CA 91010
EPA ID: CAD983660770
Mailing address: HIGHLAND AVE UNIT A
DUARTE, CA 91010
Contact: LAWRENCE PLEWNIAK
Contact address: 1718 HIGHLAND AVE UNIT A
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 305-4247
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: GOLDEN STATE HYDRAULICS
Owner/operator address: 1718 HIGHLAND AVE
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (818) 305-4247
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

GOLDEN STATE HYDRAULICS (Continued) **1000820056**

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: 110009550798

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.

WIP:

Region:	4
File Number:	106.2048
File Status:	**Not reported**
Staff:	UNIDENTIFIED
Facility Suite:	Not reported

C12 **EDR US Hist Auto Stat** **1015268988**
East **1718 HIGHLAND AVE** **N/A**
< 1/8 **DUARTE, CA 91010**
0.002 mi.
12 ft. **Site 6 of 10 in cluster C**

Relative:
Higher

Actual:
493 ft.

EDR Historical Auto Stations:

Name:	HOLMES BODY SHOP INCORPORATED
Year:	1999
Address:	1718 HIGHLAND AVE
Name:	HOLMES BODY SHOP
Year:	2001
Address:	1718 HIGHLAND AVE
Name:	HOLMES BODY SHOP
Year:	2002
Address:	1718 HIGHLAND AVE
Name:	HOLMES BODY SHOP
Year:	2003
Address:	1718 HIGHLAND AVE
Name:	HOLMES BODY SHOP

(Continued) **1015268988**

Year: 2004
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2005
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP
Year: 2007
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2008
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2009
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2010
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2011
Address: 1718 HIGHLAND AVE

Name: HOLMES BODY SHOP INC
Year: 2012
Address: 1718 HIGHLAND AVE

C13 **HOLMES BODY SHOP DUARTE INC** **RCRA-SQG 1000685944**
East **1718 HIGHLAND AVE** **FINDS CAD983629106**
< 1/8 **DUARTE, CA 91010** **LOS ANGELES CO. HMS**
0.002 mi.
12 ft. **Site 7 of 10 in cluster C**

Relative: Higher

Actual: 493 ft.

RCRA-SQG:
Date form received by agency: 09/27/1994
Facility name: HOLMES BODY SHOP DUARTE INC
Facility address: 1718 HIGHLAND AVE
DUARTE, CA 91010
EPA ID: CAD983629106
Contact: JOHN TARRANT
Contact address: 1718 HIGHLAND AVE
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 357-9407
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

HOLMES BODY SHOP DUARTE INC (Continued) **1000685944**

Owner/Operator Summary:
Owner/operator name: HOLMES BODY SHOP DUARTE INC
Owner/operator address: 1718 HIGHLAND AVE
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (818) 357-9407
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: 110002872972

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 016507-021883
Facility Type: I01
Facility Status: Permit
Area: 3R
Permit Number: 000111109

HOLMES BODY SHOP DUARTE INC (Continued) **1000685944**

Permit Status: Permit

D14
NE
< 1/8
0.003 mi.
17 ft.

1512 HIGHLAND AVE
DUARTE, CA 91010

Site 1 of 4 in cluster D

EDR US Hist Cleaners **1014996923**
N/A

Relative:
Higher

Actual:
497 ft.

EDR Historical Cleaners:
Name: RUG WASH
Year: 2005
Address: 1512 HIGHLAND AVE

C15
ENE
< 1/8
0.010 mi.
51 ft.

SARI ART AND PRINTING
1803 BUSINESS CENTER DR
DUARTE, CA 91010

Site 8 of 10 in cluster C

RCRA-SQG **1004677140**
FINDS **CAR000093666**
HAZNET

Relative:
Higher

Actual:
495 ft.

RCRA-SQG:
Date form received by agency: 03/20/2001
Facility name: SARI ART AND PRINTING
Facility address: 1803 BUSINESS CENTER DR
DUARTE, CA 91010
EPA ID: CAR000093666
Contact: JOHN HALLO
Contact address: 1803 BUSINESS CENTER DR
DUARTE, CA 91010
Contact country: US
Contact telephone: (626) 305-0888
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: MEI CHING TAN
Owner/operator address: 1803 BUSINESS CENTER DR
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (626) 305-0888
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

SARI ART AND PRINTING (Continued) **1004677140**

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

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012243483

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

HAZNET:

Year: 2004
Gepaid: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported

SARI ART AND PRINTING (Continued) **1004677140**

Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
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: 0.45
Facility County: Los Angeles

Year: 2003
Gepaid: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
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: 0.32
Facility County: Los Angeles

Year: 2002
Gepaid: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.21
Facility County: Los Angeles

Year: 2002
Gepaid: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
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: 0.11
Facility County: Los Angeles

Year: 2001
Gepaid: CAR000093666

SARI ART AND PRINTING (Continued) **1004677140**

Contact:	JOHN TAN/GENERAL MANAGER
Telephone:	6263050888
Mailing Name:	Not reported
Mailing Address:	720 N TODD AVENUE
Mailing City,St,Zip:	AZUSA, CA 917020000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	0.47
Facility County:	Los Angeles

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

C16 **PACIFIC SCIENTIFIC HTL/KIN-TECH DIV** **RCRA-SQG** **1000101327**
East **1800 HIGHLAND AVE.** **TRIS** **91010PCFCS18**
< 1/8 **DUARTE, CA 91010** **FINDS**
0.020 mi.
106 ft. **Site 9 of 10 in cluster C**

Relative: Higher

Actual: 494 ft.

RCRA-SQG:

Date form received by agency:	06/03/2010
Facility name:	PACIFIC SCIENTIFIC
Facility address:	1800 HIGHLAND AVE DUARTE, CA 91010
EPA ID:	CAD056444656
Contact:	LARRY T CONSTANTINO
Contact address:	1800 HIGHLAND AVE. DUARTE, CA 91010
Contact country:	US
Contact telephone:	(626) 434-1194
Contact email:	LCONSTANTINO@HTL.PACSCI.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:	PACIFIC SCIENTIFIC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported
Owner/operator name:	BROOKHILL CORPORATION
Owner/operator address:	2716 OCEAN PARK BLVD #2011 SANTA MONICA, CA 90406
Owner/operator country:	US

PACIFIC SCIENTIFIC HTL/KIN-TECH DIV (Continued) **1000101327**

Owner/operator telephone: (310) 314-2400
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1979
Owner/Op end date: Not reported

Owner/operator name: ALLEGHENY LUDLWM INDUSTRIES INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Facility name: PACIFIC SCIENTIFIC
Site name: HTL ADVANCED TECHNOLOGY DIVISION
Classification: Small Quantity Generator

Date form received by agency: 08/14/1980
Facility name: PACIFIC SCIENTIFIC
Site name: HTL ADVANCED TECHNOLOGY DIVISION
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001

PACIFIC SCIENTIFIC HTL/KIN-TECH DIV (Continued) **1000101327**

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007
Waste name: CHROMIUM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

TRIS:

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

FINDS:

Registry ID: 110000476565

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

PACIFIC SCIENTIFIC HTL/KIN-TECH DIV (Continued) **1000101327**

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.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

C17 **PAC SCIENTIFIC** **NPDES** **U001566474**
East **1800 HIGHLAND AVE** **HIST UST** **N/A**
< 1/8 **DUARTE, CA 91010** **WIP**
0.020 mi. **EMI**
106 ft. **Site 10 of 10 in cluster C** **WDS**

Relative: Higher

Actual: 494 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	189751
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I009090
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/07/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	HTL Pacific Scientific
Discharge Address:	1800 Highland Ave
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010

HIST UST:

Region:	STATE
Facility ID:	00000034002
Facility Type:	Other
Other Type:	AEROSPACE HOWE
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	8183599317
Owner Name:	ALLEGHENY INTERNATIONAL
Owner Address:	TWO OLIVER PLAZA, P.O. BOX 456
Owner City,St,Zip:	PITTSBURGH, PA 15230
Tank Num:	001
Container Num:	1-1500-3
Year Installed:	1979
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	Visual

PAC SCIENTIFIC (Continued) **U001566474**

WIP:
Region: 4
File Number: 106.2047
File Status: Not reported
Staff: DRASMUSS
Facility Suite: Not reported

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3444
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
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 & Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3599
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	1
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 & Smllr Tons/Yr:	0

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

PAC SCIENTIFIC (Continued) **U001566474**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
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 & Smllr Tons/Yr:	0
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
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 & Smllr Tons/Yr:	0
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
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 & Smllr Tons/Yr:	0
Year:	2000
County Code:	19
Air Basin:	SC

PAC SCIENTIFIC (Continued) **U001566474**

Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
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 & Smllr Tons/Yr:	0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
Reactive Organic Gases Tons/Yr:	4
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 & Smllr Tons/Yr:	0

CA WDS:

Facility ID:	4 19I009090
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	6264341194
Facility Contact:	LARRY T CONSTANTINO
Agency Name:	PAC SCIENTIFIC
Agency Address:	1800 Highland Ave
Agency City,St,Zip:	Duarte 910102895
Agency Contact:	LARRY T CONSTANTINO
Agency Telephone:	6264341194
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported

PAC SCIENTIFIC (Continued) **U001566474**

Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

D18 **DISCOPY LABS INC** **RCRA-SQG 1000395284**
ENE **1848 EVERGREEN AVE** **FINDS CAD982518052**
< 1/8 **DUARTE, CA 91010**
0.032 mi.
169 ft. **Site 2 of 4 in cluster D**

Relative:
Higher

Actual:
499 ft.

RCRA-SQG:
Date form received by agency: 04/02/1993
Facility name: DISCOPY LABS INC
Facility address: 1848 EVERGREEN AVE
DUARTE, CA 91010
EPA ID: CAD982518052
Contact: BETTY SLIPP
Contact address: 14772 PLAZA DR
TUSTIN, CA 92680
Contact country: US
Contact telephone: (714) 730-9000
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: LEWIS PROPERTIES
Owner/operator address: 14772 PLAZA DR
TUSTIN, CA 92680
Owner/operator country: Not reported
Owner/operator telephone: (714) 730-9000
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

DISCOPY LABS INC (Continued) **1000395284**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002839616

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.

D19 **FEDERICO'S BAKERY** **HIST UST** **U001566469**
ENE **1860 EVERGREEN ST** **N/A**
< 1/8 **DUARTE, CA 91010**
0.043 mi.
229 ft. **Site 3 of 4 in cluster D**

Relative: Higher

Actual: 500 ft.

HIST UST:
Region: STATE
Facility ID: 00000046910
Facility Type: Other
Other Type: BAKERY
Total Tanks: 0001
Contact Name: FRED CRISCIONE
Telephone: 8183579866
Owner Name: FEDERICO'S INC.
Owner Address: 1860 EVERGREEN DR.
Owner City,St,Zip: DUARTE, CA 91010

FEDERICO'S BAKERY (Continued) **U001566469**

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: None

D20 **APPLE GRAPHICS INC** **RCRA-SQG 1001201414**
ENE **1858 EVERGREEN ST** **FINDS CAR000020669**
< 1/8 **DUARTE, CA 91010** **LOS ANGELES CO. HMS**
0.043 mi. **HAZNET**
229 ft. **Site 4 of 4 in cluster D**

Relative: Higher

Actual: 500 ft.

RCRA-SQG:
Date form received by agency: 06/23/1997
Facility name: APPLE GRAPHICS INC
Facility address: 1858 EVERGREEN ST
DUARTE, CA 91010
EPA ID: CAR000020669
Mailing address: EVERGREEN ST
DUARTE, CA 91010
Contact: LEONARD CHCHON
Contact address: 1858 EVERGREEN ST
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 301-4277
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: KEVIN POLLEY
Owner/operator address: 1858 EVERGREEN ST
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (818) 301-4277
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

APPLE GRAPHICS INC (Continued) **1001201414**

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: 110002917988

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 016523-021915
Facility Type: I01
Facility Status: Permit
Area: 3R
Permit Number: 000112401
Permit Status: Permit

HAZNET:
Year: 2011
Gepaid: CAR000020669
Contact: MIKE MARSHALL
Telephone: 6267391590
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.209
Facility County: Los Angeles

Year: 2009
Gepaid: CAR000020669
Contact: DEMETRIS IOANNOU/CONTROLLER

APPLE GRAPHICS INC (Continued) **1001201414**

Telephone: 6263014277
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.054
Facility County: Los Angeles

Year: 2009
Gepaid: CAR000020669
Contact: DEMETRIS IOANNOU/CONTROLLER
Telephone: 6263014277
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.054
Facility County: Los Angeles

Year: 2008
Gepaid: CAR000020669
Contact: DEMETRIS IOANNOU/CONTROLLER
Telephone: 6263014277
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0.144
Facility County: Los Angeles

Year: 2008
Gepaid: CAR000020669
Contact: DEMETRIS IOANNOU/CONTROLLER
Telephone: 6263014277
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.925
Facility County: Los Angeles

APPLE GRAPHICS INC (Continued) **1001201414**

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

21
WSW
< 1/8
0.061 mi.
321 ft.

Relative:
Lower

Actual:
472 ft.

CITY OF HOPE MEDICAL CENTER
1500 E DUARTE RD
DUARTE, CA 91010

RCRA-LQG **1000440531**
FINDS **CAD066698408**
NPDES
CA FID UST
UST
HIST UST
MANIFEST
SWEEPS UST
LOS ANGELES CO. HMS
EMI
US AIRS

RCRA-LQG:

Date form received by agency:	07/31/2012
Facility name:	CITY OF HOPE MEDICAL CENTER
Facility address:	1500 E. DUARTE RD. DUARTE, CA 91010
EPA ID:	CAD066698408
Mailing address:	E. DUARTE RD. DUARTE, CA 91010
Contact:	CHUCK PICKERING
Contact address:	E. DUARTE RD. DUARTE, CA 91010
Contact country:	Not reported
Contact telephone:	(626) 256-4673
Telephone ext.:	62311
Contact email:	CPICKERING@COH.ORG
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	DR. MICHAEL FRIEDMAN
Owner/operator address:	E. DUARTE RD. DUARTE, CA 91010
Owner/operator country:	Not reported
Owner/operator telephone:	6262564673 6231
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1913
Owner/Op end date:	Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Owner/operator name: RICHARD THOMPSON
Owner/operator address: E. DUARTE RD.
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/01/2007
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/07/2010
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 03/01/2008
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/21/2006
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/16/2004
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NATIONAL MEDICAL CTR.
Classification: Large Quantity Generator

Date form received by agency: 05/03/1994
Facility name: CITY OF HOPE MEDICAL CENTER
Site name: CITY OF HOPE NAT. MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 05/16/1986
Facility name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D022
Waste name: CHLOROFORM

Waste code: D038
Waste name: PYRIDINE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P003
Waste name: ACROLEIN

Waste code: P057
Waste name: ACETAMIDE, 2-FLUORO-

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: U007
Waste name: ACRYLAMIDE

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U189
Waste name: PHOSPHORUS SULFIDE (R)

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 42651

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 42651

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 14863

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 14863

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 597

Waste code: D011
Waste name: SILVER
Amount (Lbs): 27247

Waste code: D038

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste name: PYRIDINE
Amount (Lbs): 27191

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 27191

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 27191

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 27191

Waste code: U007
Waste name: ACRYLAMIDE
Amount (Lbs): 14863

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs): 433

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/23/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110000831208

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	367951
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C355735
Program Type:	Construction

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/06/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	02/28/2012
Discharge Name:	City of Hope
Discharge Address:	1500 E Duarte Rd
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	420918
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C362669
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/19/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City of Hope National Medical Center
Discharge Address:	1500 E Duarte Road
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010

CA FID UST:

Facility ID:	19000157
Regulated By:	UTNKA
Regulated ID:	00019026
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	208 W 008TH ST RM1100
Mailing Address 2:	Not reported
Mailing City,St,Zip:	DUARTE
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

UST:

Facility ID:	169
Latitude:	34.13224
Longitude:	-117.97171

HIST UST:

Region:	STATE

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility ID: 00000019026
Facility Type: Other
Other Type: MEDICAL CENTER
Total Tanks: 0005
Contact Name: MEL JACKSON
Telephone: 8183598111
Owner Name: CITY OF HOPE MEDICAL CENTER
Owner Address: 1500 E. DUARTE RD.
Owner City,St,Zip: DUARTE, CA 91010

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: SIN 838670
Year Installed: 1981
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

NY MANIFEST:
EPA ID: CAD066698408

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Country:	USA
Mailing Name:	HOPE CITY OF MEDICAL CENTER
Mailing Contact:	HOPE CITY OF MEDICAL CENTER
Mailing Address:	1500 EAST DUARTE ROAD
Mailing Address 2:	Not reported
Mailing City:	DUARTE
Mailing State:	CA
Mailing Zip:	91010
Mailing Zip4:	3000
Mailing Country:	USA
Mailing Phone:	626-359-8111

Document ID:	NYA5463189
Manifest Status:	Completed copy
Trans1 State ID:	75318BNY
Trans2 State ID:	Not reported
Generator Ship Date:	871019
Trans1 Recv Date:	871019
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	871102
Part A Recv Date:	871027
Part B Recv Date:	871105
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00001
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00001
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NYA6090894
Manifest Status:	Completed copy
Trans1 State ID:	X17593
Trans2 State ID:	Not reported
Generator Ship Date:	870417
Trans1 Recv Date:	870417
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870429
Part A Recv Date:	870512
Part B Recv Date:	870506
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00025
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	87

Document ID:	NYA6090921
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY-X17593
Trans2 State ID:	Not reported
Generator Ship Date:	870722
Trans1 Recv Date:	870722
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870803
Part A Recv Date:	870817
Part B Recv Date:	870827
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	002

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	P105 - SODIUM AZIDE
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	87

Document ID:	NYA6090921
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY-X17593
Trans2 State ID:	Not reported
Generator Ship Date:	870722
Trans1 Recv Date:	870722
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870803
Part A Recv Date:	870817
Part B Recv Date:	870827
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00560
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00030
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00295
Units: P - Pounds
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00530
Units: P - Pounds
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87

Document ID: NYA6090921
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NY-X17593
Trans2 State ID: Not reported
Generator Ship Date: 870722
Trans1 Recv Date: 870722
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870803
Part A Recv Date: 870817
Part B Recv Date: 870827
Generator EPA ID: CAD066698408
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00015
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste Code:	Not reported
Quantity:	00250
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NYA5463279
Manifest Status:	Completed copy
Trans1 State ID:	74492B-NY
Trans2 State ID:	Not reported
Generator Ship Date:	880325
Trans1 Recv Date:	880325
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880408
Part A Recv Date:	880404
Part B Recv Date:	880415
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00001
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Document ID:	NYA5463261
Manifest Status:	Completed copy

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Trans1 State ID:	47490A-NY
Trans2 State ID:	86555ZNY
Generator Ship Date:	880523
Trans1 Recv Date:	880523
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880602
Part A Recv Date:	880531
Part B Recv Date:	880608
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00125
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Document ID:	NYA5463252
Manifest Status:	Completed copy
Trans1 State ID:	47490
Trans2 State ID:	86555ZNY
Generator Ship Date:	880523
Trans1 Recv Date:	880523
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880602
Part A Recv Date:	880531
Part B Recv Date:	880608
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste Code: Not reported
Quantity: 00025
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 88

SWEEPS UST:
Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000169-000001
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000169-000002
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000169-000003
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Stg: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000169-000004
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000169-000005
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 000168-I00169
Facility Type: I02
Facility Status: Permit
Area: 3R
Permit Number: 000005293
Permit Status: Permit

Region: LA
Facility Id: 000168-000169
Facility Type: T0
Facility Status: Permit
Area: 3R
Permit Number: 00005435T
Permit Status: Permit

Region: LA
Facility Id: 033577-056899

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	34
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	29
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	34
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	34
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	57
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	16
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	46
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	46
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.40673
Reactive Organic Gases Tons/Yr:	0.94
Carbon Monoxide Emissions Tons/Yr:	45.6462
NOX - Oxides of Nitrogen Tons/Yr:	5.31
SOX - Oxides of Sulphur Tons/Yr:	0.082113
Particulate Matter Tons/Yr:	0.38723
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.4

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.032585
Reactive Organic Gases Tons/Yr:	.805224047
Carbon Monoxide Emissions Tons/Yr:	4.39

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

NOX - Oxides of Nitrogen Tons/Yr:	9.107
SOX - Oxides of Sulphur Tons/Yr:	.10083
Particulate Matter Tons/Yr:	.6648
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.6556005
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.066337249075828562
Reactive Organic Gases Tons/Yr:	1.470262050000000000
Carbon Monoxide Emissions Tons/Yr:	7.470255
NOX - Oxides of Nitrogen Tons/Yr:	19.8311725
SOX - Oxides of Sulphur Tons/Yr:	.22520415
Particulate Matter Tons/Yr:	1.71008375
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.62008375

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110000478313
Plant name:	CITY OF HOPE MEDICAL CENTER
Plant address:	1500 E DUARTE RD DUARTE, CA 910100000
County:	LOS ANGELES
Region code:	09
Dunn & Bradst #:	Not reported
Air quality cntrl region:	024
Sic code:	8062
Sic code desc:	Not reported
North Am. industrial classf:	622110
NAIC code description:	General Medical and Surgical Hospitals
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	TITLE V PERMITS
National action type:	NXXXXX
Date achieved:	060308
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	NXXXXX
Date achieved:	060308
Penalty amount:	Not reported
Air program:	SIP SOURCE

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

National action type: STATE DAY 0
Date achieved: 060420
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 060420
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 060425
Penalty amount: 000002500

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 060425
Penalty amount: 000002500

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 060927
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060927
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060927
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 060927
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060927
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 061122
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 061122
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070824

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070824
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070824
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070824
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: PCE/OFF-SITE
Date achieved: 070825
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: PCE/OFF-SITE
Date achieved: 070825
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070826
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070826
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 070926
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 071017
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 071017
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080309
Penalty amount: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080328
Penalty amount: 000015000

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080530
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080530
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080624
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080624
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 080721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 080825
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 080827
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 080827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 090212
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 090212
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Date achieved: 090219
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090222
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090222
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090609
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090609
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090630
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090630
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 090630
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 090630
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090630
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 090630
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090722
Penalty amount: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 090722
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 091113
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 091113
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 091120
Penalty amount: 000014000

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 091120
Penalty amount: 000014000

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 100311
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 100318
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 100318
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100916
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Date achieved: 100916
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100924
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100924
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 100928
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 100928
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110701
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110701
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 110706
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 110706
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110706
Penalty amount: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110706
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 110816
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 110816
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 110818
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110818
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 111202
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 111202
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 111208
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 111208
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 120105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Date achieved: 120220
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120220
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120803
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120803
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120803
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120803
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 120918
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 120918
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980624
Penalty amount: 000000000

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Hist compliance date: 1001
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: V

Permit Information:
Compliance plant ID: C0478
Permit number: 23194
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: C0478
Plant name: CITY OF HOPE MEDICAL CENTER
Plant address: 1500 E DUARTE RD
DUARTE, CA 910100000

Event Information:
Compliance permit ID: C0478
Permit number: 23194
Event action type: IF
Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 20050713

E22
East
1/8-1/4
0.126 mi.
663 ft.

Relative:
Higher

Actual:
500 ft.

OCCUPANT — **WIP** — **S106765114**
1802 SANTO DOMINGO AVE — **N/A**
DUARTE, CA 91010

Site 1 of 4 in cluster E

WIP:
Region: 4
File Number: 106.2050
File Status: Not reported
Staff: UNIDENTIFIED
Facility Suite: Not reported

23
NW
1/8-1/4
0.129 mi.
680 ft.

Relative:
Lower

Actual:
485 ft.

DUARTE HIGH — **RCRA-SQG** — **1000818957**
1565 E CENTRAL — **FINDS** — **CAD983648981**
DUARTE, CA 91010

RCRA-SQG:
Date form received by agency: 09/22/1992
Facility name: DUARTE HIGH SCHOOL
Facility address: 1565 E CENTRAL
DUARTE, CA 91010
EPA ID: CAD983648981
Mailing address: E CENTRAL
DUARTE, CA 91010
Contact: THOMAS CLARK
Contact address: 1565 E CENTRAL
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 358-1191
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: DUARTE SCHOOL DIST
Owner/operator address: 1620 HUNTINGTON DR
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (818) 358-1191
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: No
Treater, storer or disposer of HW: No
Underground injection activity: No

DUARTE HIGH (Continued) **1000818957**

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: 110002885101

Environmental Interest/Information System

US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

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.

E24 **MAJESTIC PARTY SALES, INC.** **HIST UST** **U001566479**
East **1857 BUSINESS CENTER DR** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.137 mi.
721 ft. **Site 2 of 4 in cluster E**

Relative:
Higher

Actual:
501 ft.

HIST UST:
Region: STATE
Facility ID: 00000041132
Facility Type: Other
Other Type: TUPPERWARE DISTRIB.
Total Tanks: 0001
Contact Name: KIRK KEELER
Telephone: 8183579746
Owner Name: MAJESTIC PARTY SALES, INC.
Owner Address: 1857 BUSINESS CENTER DR.
Owner City,St,Zip: DUARTE, CA 91010

Tank Num: 001
Container Num: 01
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: PRODUCT

MAJESTIC PARTY SALES, INC. (Continued) **U001566479**

Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

---

25 **IBIS SYSTEMS INC** **RCRA NonGen / NLR** **1000376024**
ENE **1850 EVERGEEN DR** **FINDS** **CAD981685977**
1/8-1/4 **DUARTE, CA 91010**
0.141 mi.
744 ft.

Relative:
Higher

Actual:
504 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/23/1986
Facility name: IBIS SYSTEMS INC
Facility address: 1850 EVERGEEN DR
DUARTE, CA 91010
EPA ID: CAD981685977
Mailing address: EVERGEEN DR
DUARTE, CA 91010
Contact: ENVIRONMENTAL MANAGER
Contact address: 1850 EVERGEEN DR
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 357-2180
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: JEAN MAY RECH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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
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

IBIS SYSTEMS INC (Continued) **1000376024**

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: 110002752423

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.

E26
East
1/8-1/4
0.145 mi.
763 ft.

Relative:
Higher

Actual:
501 ft.

ASSEMBLY AUTOMATION **RCRA-SQG** **1000820230**
1858 BUSINESS CTR DR **FINDS** **CAD983662644**
DUARTE, CA 91010 **HAZNET**

Site 3 of 4 in cluster E

RCRA-SQG:
Date form received by agency: 03/26/1993
Facility name: ASSEMBLY AUTOMATION
Facility address: 1858 BUSINESS CTR DR
DUARTE, CA 91010
EPA ID: CAD983662644
Contact: DENNIS BORIBOR
Contact address: 1858 BUSINESS CTR DR
DUARTE, CA 91010
Contact country: US
Contact telephone: (818) 303-2777
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: FRANK FROST
Owner/operator address: 1858 BUSINESS CTR DR
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: (818) 303-2777
Legal status: Private
Owner/Operator Type: Owner

ASSEMBLY AUTOMATION (Continued) **1000820230**

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: 110002895083

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

HAZNET:
Year: 2006
Gepaid: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.22
Facility County: Los Angeles

Year: 2005

ASSEMBLY AUTOMATION (Continued) **1000820230**

Gepaid: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.22
Facility County: Los Angeles

Year: 2005
Gepaid: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.22
Facility County: Los Angeles

Year: 2003
Gepaid: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.15
Facility County: Los Angeles

Year: 2002
Gepaid: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 0.1

ASSEMBLY AUTOMATION (Continued) **1000820230**

Facility County: Los Angeles

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

E27 **HOFFMAN EDUCATIONAL SYSTEM** **WIP** **S106765134**
East **1863 BUSINESS CENTER DR** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.161 mi.
848 ft. **Site 4 of 4 in cluster E**

Relative:
Higher

Actual:
502 ft.

WIP:
Region: 4
File Number: 106.2077
File Status: **Not reported**
Staff: UNIDENTIFIED
Facility Suite: Not reported

---

28 **FREDRICKS DEVELOPMENT CORP** **SWEEPS UST** **S106926450**
NNE **1315 HIGHLAND AVE** **N/A**
1/8-1/4 **DUARTE, CA**
0.207 mi.
1093 ft.

Relative:
Higher

Actual:
516 ft.

SWEEPS UST:
Status: Active
Comp Number: 12449
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

---

29 **DUARTE NISSAN** **SWEEPS UST** **S106925551**
WNW **1440 CENTRAL** **N/A**
1/8-1/4 **DUARTE, CA**
0.232 mi.
1224 ft.

Relative:
Lower

Actual:
480 ft.

SWEEPS UST:
Status: Active
Comp Number: 14079
Number: 9
Board Of Equalization: 44-010346
Referral Date: 06-30-89
Action Date: Not reported

DUARTE NISSAN (Continued) **S106925551**

Created Date:	06-30-89
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-000-014079-000001
Actv Date:	06-30-89
Capacity:	Not reported
Tank Use:	UNKNOWN
Stg:	W
Content:	Not reported
Number Of Tanks:	2
Status:	Active
Comp Number:	14079
Number:	9
Board Of Equalization:	44-010346
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-000-014079-000002
Actv Date:	06-30-89
Capacity:	Not reported
Tank Use:	UNKNOWN
Stg:	W
Content:	Not reported
Number Of Tanks:	Not reported

30
North
1/4-1/2
0.315 mi.
1665 ft.

DUARTE AUTO CENTER **HIST CORTESE** **S102058082**
1713 HUNTINGTON DR E **LUST** **N/A**
DUARTE, CA 91010 **LOS ANGELES CO. HMS**

Relative:
Higher

Actual:
536 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-06089

LUST:

Region:	STATE
Global Id:	T0603704718
Latitude:	34.1346113
Longitude:	-117.9393231
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/10/1997
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-06089
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

DUARTE AUTO CENTER (Continued) **S102058082**

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

Contact:

Global Id:	T0603704718
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603704718
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Regulatory Activities:

Global Id:	T0603704718
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-06089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704718	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		9/10/1997
Date Leak Record Entered:	3/19/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/10/1997
Date the Case was Closed:		9/10/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	

DUARTE AUTO CENTER (Continued) **S102058082**

Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	2321.3518484921197452901620661
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	L.A.P. TRUST
RP Address:	P.O. BOX 660817, ARCADIA CA 91066-0817
Program:	LUST
Lat/Long:	34.1346113 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	005875-006089
Facility Type:	T0
Facility Status:	Removed
Area:	3R
Permit Number:	00000192T
Permit Status:	Removed

31
WSW
1/4-1/2
0.399 mi.
2106 ft.

CHEVRON #9-4104
1815 BUENA VISTA ST
DUARTE, CA 91010

HIST CORTESE **S102427244**
LUST **N/A**

Relative:
Lower

Actual:
458 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-10657

LUST:

Region:	STATE
Global Id:	T0603703645
Latitude:	34.1318821

CHEVRON #9-4104 (Continued) **S102427244**

Longitude:	-117.9775708
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/29/1990
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-10657
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

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

Contact:

Global Id:	T0603703645
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603703645
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Regulatory Activities:

Global Id:	T0603703645
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Global Id:	T0603703645
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0603703645
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-10657

CHEVRON #9-4104 (Continued) **S102427244**

Status:	Case Closed	
Substance:	Waste Oil	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703645	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	DUARTE RD	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/24/1990	
Date Leak First Reported:		5/17/1990
Date Leak Record Entered:	5/24/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	4/24/1990	
Date Case Last Changed on Database:		2/4/1991
Date the Case was Closed:		10/29/1990
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	UHDEN, ROGER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1280.215347745608396722314141 4
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	P.O. BOX 2833 LA HABRA, 90632	
Program:	LUST	
Lat/Long:	34.1317502 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #052590-13	

32
WNW
1/4-1/2
0.431 mi.
2276 ft.

CITY OF DUARTE
1427 BUENA VISTA ST
DUARTE, CA 91010

HIST CORTESE **S100720633**
LUST **N/A**
LOS ANGELES CO. HMS

Relative:
Higher

Actual:
487 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14948

LUST:

Region:	STATE
Global Id:	T0603704232
Latitude:	34.136386
Longitude:	-117.9775801
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/26/1990
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-14948
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

Contact:

Global Id:	T0603704232
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603704232
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Regulatory Activities:

Global Id:	T0603704232
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

CITY OF DUARTE (Continued) **S100720633**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14948	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704232	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2068.59321919598913593562100 11
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF DUARTE	
RP Address:	1600 HUNTINGTON DRIVE, DUARTE, 91010	
Program:	LUST	
Lat/Long:	34.136566 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

CITY OF DUARTE (Continued) **S100720633**

Assigned Name: Not reported
Summary: Not reported

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 008538-014948
Facility Type: Not reported
Facility Status: Removed
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

33
NW
1/4-1/2
0.457 mi.
2415 ft.

JOHN'S FOREIGN CAR REPAIR
1405 HUNTINGTON DR
DUARTE, CA 91010

LUST **U001566477**
HIST UST **N/A**
LOS ANGELES CO. HMS

Relative:
Higher

Actual:
513 ft.

LUST:
Region: STATE
Global Id: T0603706372
Latitude: 34.140129
Longitude: -117.975199
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 10/25/2004
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-37667
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:
Global Id: T0603706372
Contact Type: Regional Board Caseworker
Contact Name: NOMAN CHOWDHURY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nchowdhury@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603706372
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov
Phone Number: Not reported

JOHN'S FOREIGN CAR REPAIR (Continued) **U001566477**

Regulatory Activities:

Global Id:	T0603706372
Action Type:	ENFORCEMENT
Date:	09/15/2011
Action:	Referral to Regional Board
Global Id:	T0603706372
Action Type:	ENFORCEMENT
Date:	11/01/2011
Action:	Staff Letter
Global Id:	T0603706372
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0603706372
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0603706372
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Other Report / Document

HIST UST:

Region:	STATE
Facility ID:	00000033966
Facility Type:	Not reported
Other Type:	Not reported
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	JOHN'S FOREIGN CAR REPAIR
Owner Address:	1405 E. HUNTINGTON DR.
Owner City,St,Zip:	DUARTE, CA 91010
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00000180
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	004116-I04262
Facility Type:	I01
Facility Status:	Closed
Area:	3R
Permit Number:	000010130
Permit Status:	Closed

JOHN'S FOREIGN CAR REPAIR (Continued) **U001566477**

Region: LA
Facility Id: 004116-004262
Facility Type: T0
Facility Status: Closed
Area: 3R
Permit Number: 00000207T
Permit Status: Closed

Region: LA
Facility Id: 004116-026189
Facility Type: I01
Facility Status: Permit
Area: 3R
Permit Number: 000281607
Permit Status: Permit

Region: LA
Facility Id: 004116-037667
Facility Type: T0
Facility Status: Removed
Area: 3R
Permit Number: 000408075
Permit Status: Removed

34
NE
1/2-1
0.504 mi.
2660 ft.

FORMER LERNER'S GAS STATION **ENVIROSTOR** **S107736333**
2107 HUNTINGTON DRIVE **N/A**
DUARTE, CA 91010

Relative:
Higher

Actual:
533 ft.

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.5
NPL: NO
Regulatory Agencies: SMBRP, LOS ANGELES COUNTY
Lead Agency: LOS ANGELES COUNTY
Program Manager: Not reported
Supervisor: * Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Facility ID: 70000050
Site Code: 301251
Assembly: 48
Senate: 25
Special Program: EPA - Target Site Investigation
Status: Refer: Local Agency
Status Date: 08/02/2012
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.14001
Longitude: -117.9597
APN: 8529010020
Past Use: ENGINE TESTING/REPAIR, FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
Potential COC: 30003, 30018, 30025, 30550, 30593
Confirmed COC: 30003,30025,30593,30550,30018
Potential Description: NONE SPECIFIED

FORMER LERNER'S GAS STATION (Continued) **S107736333**

Alias Name: 8529010020
Alias Type: APN
Alias Name: 301251
Alias Type: Project Code (Site Code)
Alias Name: 70000050
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/19/2005
Comments: PEA Approved by DTSC with recommendation for further action around hydraulic lift.

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

35
ENE
1/2-1
0.632 mi.
3335 ft.

TDH GOLD CLEANING **ENVIROSTOR** **S110494366**
2300 E. CENTRAL AVENUE #I **N/A**
DUARTE, CA 91010

Relative: Higher

Actual: 524 ft.

ENVIROSTOR:
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Facility ID: 71003333
Site Code: Not reported
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Status: Refer: Other Agency
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

TDH GOLD CLEANING (Continued) **S110494366**

Alias Name: CAL000124904
Alias Type: EPA Identification Number
Alias Name: 71003333
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 03/15/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

36
SW
1/2-1
0.707 mi.
3734 ft.

Relative:
Lower

Actual:
423 ft.

SOUTHWEST PRODUCTIONS CO
2240 BUENA VISTA
IRWINDALE, CA 91706

RCRA-SQG **1000411027**
FINDS **CAD981992498**
NPDES
HIST CORTESE
LUST
HIST UST
LA Co. Site Mitigation
VCP
EMI
ENVIROSTOR

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: SOUTHWEST PRODUCTIONS CO
Facility address: 2240 BUENA VISTA
IRWINDALE, CA 91706
EPA ID: CAD981992498
Mailing address: PO BOX 1028
MONROVIA, CA 91016
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
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: KENT J HACKMAN
Owner/operator address: NOT REQUIRED

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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
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: 02/17/1987
Facility name: SOUTHWEST PRODUCTIONS CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002769442

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.

The NEI (National Emissions Inventory) database contains information

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	364115
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C355287
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/06/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/23/2010
Discharge Name:	Hope City
Discharge Address:	1500 E Duarte Rd
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-03582

LUST:

Region:	STATE
Global Id:	T0603704618
Latitude:	34.124423
Longitude:	-117.976665
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/25/1994
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

RB Case Number: R-03582
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

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

Contact:
Global Id: T0603704618
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704618
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Regulatory Activities:
Global Id: T0603704618
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0603704618
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-03582
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704618
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Date Leak Discovered:	8/21/1992	
Date Leak First Reported:		2/22/1993
Date Leak Record Entered:	2/20/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/22/1995
Date the Case was Closed:		7/25/1994
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		4028.72744875125911759150527 03
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		2/23/1993
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SOUTHWEST PROCUCTS	
RP Address:	2240 BUENA VISTA, IRWINDALE, CA 91016	
Program:	LUST	
Lat/Long:	34.1433158 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	TRPH=4710 PPM	

HIST UST:

Region:	STATE
Facility ID:	00000008102
Facility Type:	Other
Other Type:	MANUFACTURER
Total Tanks:	0002
Contact Name:	K. V. HACKMAN
Telephone:	8183580181
Owner Name:	SOUTHWEST PRODUCTS CO
Owner Address:	P.O. BOX 1028
Owner City,St,Zip:	MONROVIA, CA 91016
Tank Num:	001
Container Num:	I

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Year Installed: 1979
Tank Capacity: 00001116
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: .125 inches
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1979
Tank Capacity: 00002475
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: .300 inches
Leak Detection: Visual

LA Co. Site Mitigation:
Facility ID: FA0006022
Site ID: SD0010375
Jurisdiction: State
Case ID: RO0010375
Abated: Yes
Assigned To: LR
Entered Date: 05/11/2004

VCP:
Facility ID: 19340773
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Safouh Sayed
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Site Code: 300694
Assembly: 48
Senate: 22
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 02/04/1998
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.12442 / -117.9766
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: 30003
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: SOUTHWEST PRODUCTS
Alias Type: Alternate Name
Alias Name: UNION BANK OF CALIFORNIA
Alias Type: Alternate Name

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Alias Name: 110002769442
Alias Type: EPA (FRS #)
Alias Name: 300694
Alias Type: Project Code (Site Code)
Alias Name: 19340773
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/04/1998
Comments: DTSC and Union Bank of California (site owner through foreclosure entered into a Voluntary Cleanup Agreement (VCA) for a Preliminar Endangerment Assessment (PEA) for the former Southwest Products, site in Irwindale.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/29/1998
Comments: The Preliminary Endangerment Assessment is approved. The PEA indicates that levels of TPH encountered at the site are well below the concentrations considered acceptable in soils above groundwater. VOCS were not detected, and soils containing greater than 50 mg/kg of lead have been excavated and removed from the site. Therefore, DTSC determines that "No 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

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 51799
Air District Name: SC
SIC Code: 3599
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 & Smllr Tons/Yr: 0

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	8
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Safouh Sayed
Supervisor:	Emad Yemut
Division Branch:	Cleanup Cypress
Facility ID:	19340773
Site Code:	300694
Assembly:	48
Senate:	22
Special Program:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	02/04/1998
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.12442
Longitude:	-117.9766
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	30003
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	SOUTHWEST PRODUCTS
Alias Type:	Alternate Name
Alias Name:	UNION BANK OF CALIFORNIA
Alias Type:	Alternate Name
Alias Name:	110002769442
Alias Type:	EPA (FRS #)
Alias Name:	300694
Alias Type:	Project Code (Site Code)
Alias Name:	19340773
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	02/04/1998
Comments:	DTSC and Union Bank of California (site owner through foreclosure entered into a Voluntary Cleanup Agreement (VCA) for a Preliminar Endangerment Assessment (PEA) for the former Southwest Products, site in Irwindale.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/29/1998
Comments:	The Preliminary Endangerment Assessment is approved. The PEA indicates that levels of TPH encountered at the site are well below the concentrations considered acceptable in soils above groundwater. VOCS were not detected, and soils containing greater than 50 mg/kg of lead have been excavated and removed from the site. Therefore, DTSC

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

determines that "No 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

Count: 27 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BALDWIN PARK	S111076181	PECK ROAD GRAVEL PIT (ENGINEERED F	128 E LIVE OAK AVE	91706	SWF/LF, NPDES, LDS
DUARTE	S112917881	DUARTE HIGH SCHOOL	1565 E CENTRAL	91010	HAZNET
DUARTE	S112913134	DUARTE HIGH SCHOOL	1565 E CENTRAL	91010	HAZNET
DUARTE	S113052941	DUARTE HIGH SCHOOL	1565 E CENTRAL	91010	HAZNET
DUARTE	1000415983	CUSTOMATION IND ARTS	1956 E EVERGREEN AVE	91010	RCRA-SQG, FINDS
DUARTE	S110744954	DUARTE COM SERV DIST (DEST)	IRWINDALE AVE		LOS ANGELES CO. HMS
DUARTE	S112831895	DUARTE CITY LANDFILL (FISH CANYON	1120 LA LOMA RD	91016	LDS
DUARTE	S110745199	DUARTE JACONSON FAMILY HOLDING	1430 S MOUNTAIN DR		LOS ANGELES CO. HMS
DUARTE	1012105163	FORMER LERNER'S SERVICE STATION	10741 SAN FERNANDO ST	91010	US BROWNFIELDS, FINDS
IRWINDALE	S106766359	BOCK MACHINE INC.	16300 R ARROW HWY	91706	WIP
IRWINDALE	S106766360	VAN ASCH INC.	16300 R ARROW HWY	91706	WIP
IRWINDALE	S112882375	NAVAL AIR WEAPONS STATION	2495 BUENA VIS	91706	HAZNET
IRWINDALE	1000820043	HEALTH VALLEY FOODS	16100 FOOTHILL BLVD	91706	RCRA-SQG, FINDS, WIP, HAZNET
IRWINDALE	A100344584		16001 FOOTHILL BLVD	91706	AST
IRWINDALE	U003057026	CITY OF SAN MARINO - DUMP	212 LIVE OAK AVE	91706	SWF/LF
IRWINDALE	S106528935	NU-WAY INDUSTRIES, INC	400 LIVE OAK AVE	91706	SWF/LF, LOS ANGELES CO. HMS
IRWINDALE	U003057077	SIMPSON CO	200 LIVE OAK AVE	91706	SWF/LF
LOS ANGELES COUNTY	2011977637	ARTISIA STATION, FLASHERS AND BELL	ARTISIA STATION, FLASHERS AND		ERNS
LOS ANGELES COUNTY	2010934528	HANES GENERATING STATION NONE	HANES GENERATING STATION NONE		ERNS
LOS ANGELES COUNTY	2010930870	NEXT PORT OF CALL IS LONG BEACH WI	NEXT PORT OF CALL IS LONG BEAC		ERNS
LOS ANGELES COUNTY	2011979146	UNION STATION	UNION STATION		ERNS
MONROVIA	S102433495	SIAM MINH MOBIL STATION	502 DUARTE	91016	HIST CORTESE
MONROVIA	U001566520	BROTHERS #1	621 DUARTE RD	91016	HIST UST
MONROVIA	S108997047	FORMER SOUTHLAND CORPORATION	400 FOOTHILL BLVD W	91016	LUST
MONROVIA	S112165833	METRO GOLD LINE FOOTHILL EXTENSION	FWY FOOTHILL BLVD AND CITRUS A	91016	VCP, ENVIROSTOR
MONROVIA	S113029428	CHEVRON USA STATION #5098	854 HUNTINGTON DR	91016	HAZNET
MONROVIA	U001566526	EXXON SERVICE STATION	15155 SOUTH MYRTLE	91016	HIST UST

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: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
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: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

Federal CERCLIS list

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

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

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: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 03/11/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 30

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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

SLIC: Statewide SLIC Cases
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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 04/18/2013
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

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: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

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: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

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: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: No Update Planned

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: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 06/03/2013
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: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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: 11/14/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Quarterly

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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 06/30/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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

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

Local Land Records

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: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 03/11/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
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: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

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: 12/06/2012
Date Data Arrived at EDR: 01/29/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 49

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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

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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

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: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

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: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/13/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Annually

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Semi-Annually

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: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Every 4 Years

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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

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: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/11/2013
Next Scheduled EDR Contact: 07/22/2013
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: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

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

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: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Biennially

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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

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: 01/02/2013
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
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

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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: No Update Planned

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: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

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: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 01/08/2013
Date Data Arrived at EDR: 01/29/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 49
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
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.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/29/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Varies

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/05/2013
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: 11/20/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/19/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 07/01/2013
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: 03/06/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan 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: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/15/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 01/15/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/16/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/25/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

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: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 28

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

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: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

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: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

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 US Hist Auto Stat: EDR Exclusive Historic Gas 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 US Hist Cleaners: EDR Exclusive Historic Dry 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 US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
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: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 36

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility List

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 04/04/2013
Number of Days to Update: 21

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 01/04/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 49

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 01/04/2013
Date Data Arrived at EDR: 01/14/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 46

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/27/2013
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 25

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/07/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 21

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/13/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 36

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
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: 04/26/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 28
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/21/2013
Date Data Arrived at EDR: 01/22/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 56
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/24/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 32
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 61
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
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: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 16
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
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: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 50

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/25/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 03/08/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 22

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/13/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/19/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 14

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/05/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 43

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/05/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 50

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
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: 11/29/2012
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 43

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 11/02/2012
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

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: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
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: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
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: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
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: 03/25/2013
Date Data Arrived at EDR: 03/25/2013
Date Made Active in Reports: 04/18/2013
Number of Days to Update: 24

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/26/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 01/02/2013
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
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: 03/12/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/06/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 19

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 02/26/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 22

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 36

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 01/10/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 23

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 07/29/2013
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: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/21/2013
Next Scheduled EDR Contact: 06/03/2013
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: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 01/28/2013
Date Data Arrived at EDR: 02/01/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 47

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
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: 12/04/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/30/2013
Number of Days to Update: 33

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/06/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 19

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 02/01/2013
Date Data Arrived at EDR: 02/07/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DUARTE STATION SPECIFIC PLAN
MULTIPLE ADDRESSES
DUARTE, CA 91010

TARGET PROPERTY COORDINATES

Latitude (North):	34.1336 - 34° 8’ 0.96’’
Longitude (West):	117.9687 - 117° 58’ 7.32’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410679.3
UTM Y (Meters):	3777198.2
Elevation:	487 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34117-B8 AZUSA, CA
Most Recent Revision:	1972
South Map:	34117-A8 BALDWIN PARK, CA
Most Recent Revision:	1981

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).

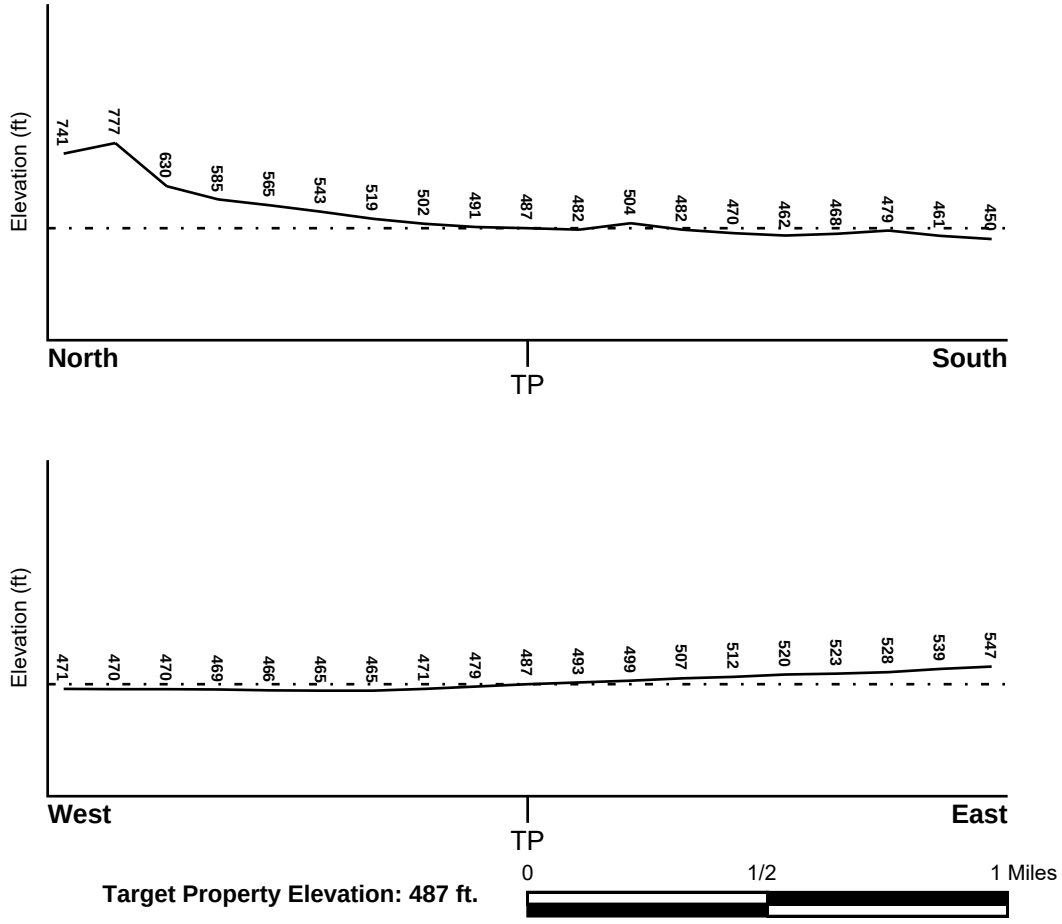
TOPOGRAPHIC INFORMATION

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 West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
LOS ANGELES, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06037C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
AZUSA	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
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000141771	1/4 - 1/2 Mile East
4	USGS40000141696	1/2 - 1 Mile SW

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

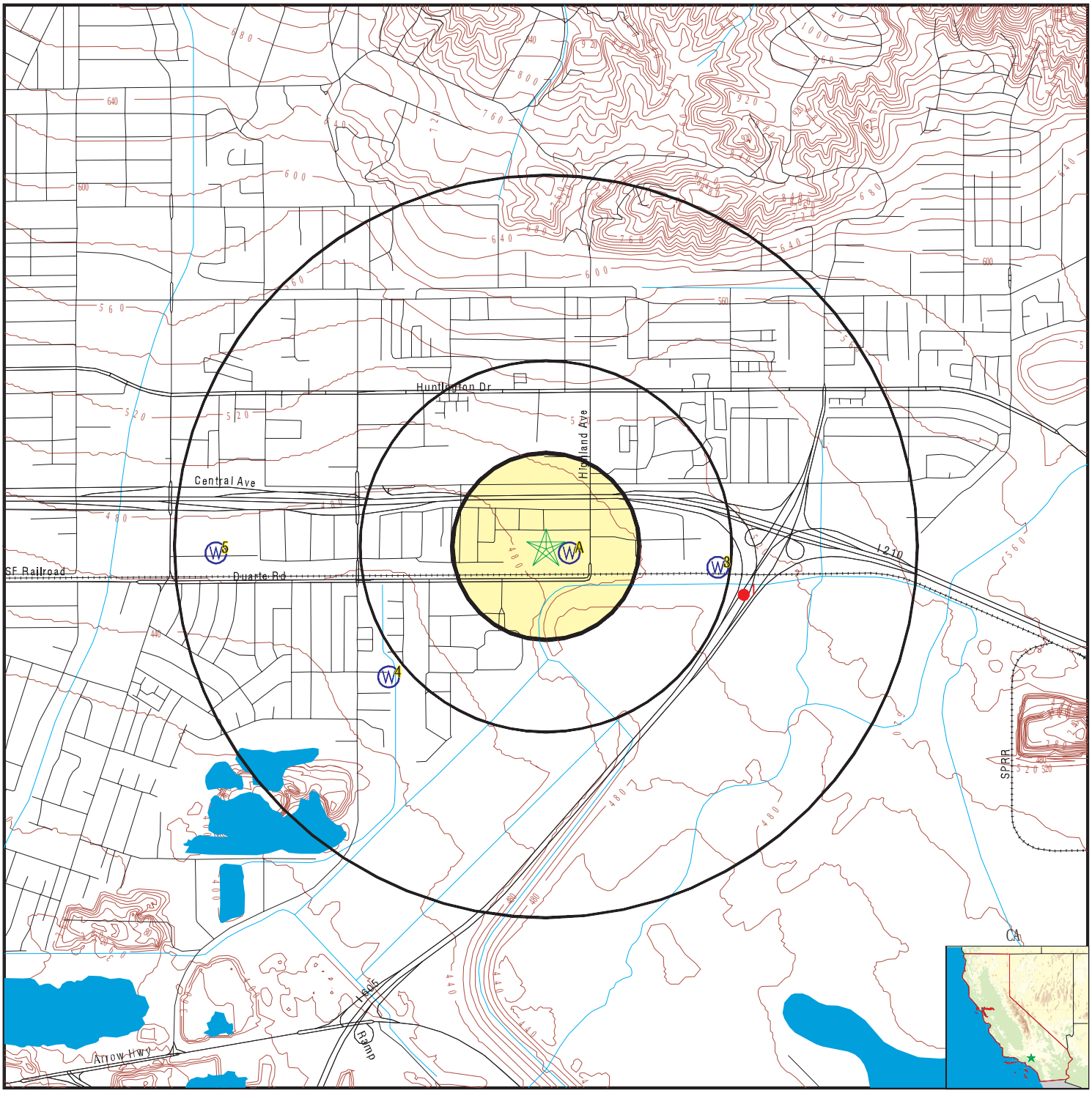
MAP ID	WELL ID	LOCATION FROM TP
A1	398	0 - 1/8 Mile ESE
A2	397	0 - 1/8 Mile ESE
5	437	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG9A000033814	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 3599441.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Duarte Station Specific Plan	CLIENT:	RBF Consulting
ADDRESS:	Multiple Addresses Duarte CA 91010	CONTACT:	Kristen Bogue
		INQUIRY #:	3599441.2s
LAT/LONG:	34.1336 / 117.9687	DATE:	May 07, 2013 4:28 pm

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
ESE
0 - 1/8 Mile
Higher

CA WELLS **398**

Water System Information:

Prime Station Code:	01N/10W-31M01 S	User ID:	4TH
FRDS Number:	1910186001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1175800.0	Precision:	Undefined
Source Name:	BUENA VISTA (LACFCD 4427A)		
System Number:	1910186		
System Name:	CAL. AMERICAN WATER CO.-DUARTE		
Organization That Operates System:			
	2020 HUNTINGTON DRIVE		
	SAN MARINO, CA 91108		
Pop Served:	24666	Connections:	7029
Area Served:	DUARTE		
Sample Collected:	08/10/2011	Findings:	36. MG/L
Chemical:	CALCIUM		
Sample Collected:	08/10/2011	Findings:	7. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/10/2011	Findings:	17.1 MG/L
Chemical:	SODIUM		
Sample Collected:	08/10/2011	Findings:	11.6 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/10/2011	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/10/2011	Findings:	16. MG/L
Chemical:	SILICA		
Sample Collected:	08/10/2011	Findings:	2.656 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	2.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/19/2012	Findings:	190. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/04/2012	Findings:	2.3 MG/L
Chemical:	NITRATE (AS NO3)		

A2
ESE
0 - 1/8 Mile
Higher

CA WELLS **397**

Water System Information:

Prime Station Code:	01N/10W-31A01 S	User ID:	4TH
FRDS Number:	1910186007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1175800.0	Precision:	Undefined
Source Name:	SANTA FE		

System Number: 1910186
System Name: CAL. AMERICAN WATER CO.-DUARTE
Organization That Operates System:
2020 HUNTINGTON DRIVE
SAN MARINO, CA 91108
Pop Served: 24666 Connections: 7029
Area Served: DUARTE

Sample Collected:	09/18/2012	Findings:	280. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/04/2012	Findings:	2.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/26/2011	Findings:	30. MG/L
Chemical:	CALCIUM		
Sample Collected:	09/26/2011	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/26/2011	Findings:	18.1 MG/L
Chemical:	SODIUM		
Sample Collected:	09/26/2011	Findings:	15.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/26/2011	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/26/2011	Findings:	14. MG/L
Chemical:	SILICA		
Sample Collected:	09/26/2011	Findings:	2.214 MG/L
Chemical:	NITRATE (AS NO3)		

3
East **FED USGS** **USGS40000141771**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340758117573501		
Monloc name:	001N010W31A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.132785
Longitude:	-117.96062	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:	604
Welldepth units:	ft	Wellholedepth:	604
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
SW **FED USGS** **USGS40000141696**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340743117583201		
Monloc name:	001N010W31M001S		
Monloc type:	Well		
Monloc desc:	GAMA ULAB FAST		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1285
Longitude:	-117.9760833	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:	448
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:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520109	Welldepth:	600
Welldepth units:	ft	Wellholedepth:	600
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5
West **CA WELLS** **437**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	01N/11W-36L01 S	User ID:	4TH
FRDS Number:	1910186006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Untreated
Source Lat/Long:	340800.0 1175900.0	Precision:	Undefined
Source Name:	MOUNTAIN AVENUE		
System Number:	1910186		
System Name:	CAL. AMERICAN WATER CO.-DUARTE		
Organization That Operates System:			
	2020 HUNTINGTON DRIVE		
	SAN MARINO, CA 91108		
Pop Served:	24666	Connections:	7029
Area Served:	DUARTE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ESE
1/2 - 1 Mile

OIL_GAS **CAOG9A000033814**

Districtnu:	1	Apinumber:	03720888
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Union Oil Company of California		
Countyname:	Los Angeles	Fieldname:	Any Field
Areaname:	Any Area		
Section:	32		
Township:	01N	Range:	10W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.131708		
Glong:	-117.959404		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Irwindale-Duarte	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	12/30/1899
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000033814

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91010	13	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91010

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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 Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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 Health Services
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

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Inquiry Number:
June 25, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

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

SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **GE AVIATION SYSTEMS LLC - DUARTE** 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 EDR ID #1000385001 EPA #CAD008503112
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	**YES - p4**
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	**YES - p7**
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	**YES - p12**
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	3

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

RCRA-LQG:

Date form received by agency:	02/27/2012
Facility name:	GE AVIATION SYTEMS, LLC
Facility address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010
EPA ID:	CAD008503112
Mailing address:	BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact:	LONNIE R OLSEN
Contact address:	BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact country:	Not reported
Contact telephone:	(626) 246-0753
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	GE AVIATION SYSTEMS, LLC
Owner/operator address:	PATTERSON AVE SE GRAND RAPIDS, MI 49512
Owner/operator country:	Not reported
Owner/operator telephone:	(616) 241-7000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/04/2007
Owner/Op end date:	Not reported

Owner/operator name:	GE AVIATION SYSTEMS, LLC
Owner/operator address:	PATTERSON AVE SE GRAND RAPIDS, MI 49512
Owner/operator country:	US
Owner/operator telephone:	(616) 241-7000
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/01/2007
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
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: 01/07/2008
Facility name: GE AVIATION SYTEMS, LLC
Site name: GE AVIATION SYSTEMS LLC
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Small Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Large Quantity Generator

Date form received by agency: 07/10/2001
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LA
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE,

ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	2237
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	883
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	35040
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	54
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	2237

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	02/23/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

MULTIMEDIA

Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313

DATABASE: Toxic Chemical Release Inventory System (TRIS)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

TRIS:

TRIS ID:	91010DWTYR1700B
Reporting Year:	2009
Title of Certifying Official:	BUSINESS SITE LEADER
Certifying official:	BRIAN LANGAN
Mailing Name:	GE AVIATION SYSTEMS LLC - DUARTE
Mailing Address:	1700 BUSINESS CENTER DR DUARTE, CA 9101
Contact:	BRIAN LANGAN
Contact Telephone:	(626) 359-9211
NAICS codes:	333995
NAICS origin:	Not reported
Reported Latitude:	34.134135
Reported Longitude:	-117.967893
DUNS Number:	008503112
EPA ID:	Not reported
RCRA ID:	Not reported
NPDES ID:	Not reported
UIC ID:	Not reported
Parent Name:	GENERAL ELECTRIC CO (GE CO)
Parent DUNS Number:	001367960
CAS Number:	007440473
Chemical Name:	CHROMIUM
Chemical is produced in facility:	NO
Chemical is imported:	NO
Chemical is for on-site use:	NO
Max chem. qty (lbs) code:	03
Estimated qty of fugitive air release pounds/yr:	14
Estimated qty of stack air release in pounds/yr:	0
Total air emissions:	14
Affected Stream Name:	LOS ANGLES RIVER
Water Stream Release:	0
Percentage of total qty by weight of stream release:	0
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	0
Other disposal:	0
Tot. onsite medium rel:	0
Metals offsite transfers:	0
Tot. reprtd storage-only:	0
POTWS offsite transfers:	0
Underground injection:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Other offsite mgmnt:	0
Waster broker transfers:	7.5
Tot. offsite transfers:	7.5
Tot. offsite transfers for further waste management:	41486

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported
Chemical Name:	CHROMIUM
NAICS codes:	333995
NAICS origin:	Not reported
Qty released prior year:	5
Qty released current yr:	21.5
Qty rel. following year:	21.5
Qty released of Catastrophic/one-time event:	Not reported
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported

Revision code 2:	Not reported
CAS Number:	007440473
Offsite RCRA ID:	ARD069748192
Offsite Name:	CLEAN HARBORS EL DORADO, LLC
Offsite Address:	309 AMERICAN CIRCLE EL DORADO, AR 71730
Offsite County:	UNION
NAICS codes:	333995
NAICS origin:	Not reported

Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	.3
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported
CAS Number:	007440473
Offsite RCRA ID:	CAD008364432
Offsite Name:	RHO CHEM
Offsite Address:	425 ISIS AVENUE INGLEWOOD, CA 90301
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported

Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	5.7
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported
CAS Number:	007440473
Offsite RCRA ID:	CAD983570938
Offsite Name:	SPADRA LANDFILL GAS TO ENERGY
Offsite Address:	2800 WORKMAN MILL RD WHITTIER, CA 90601
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0

Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAR000111567
Offsite Name:	S O S ECOLOGY MANAGEMENT INC
Offsite Address:	201 E GARDENA BLVD STE A GARDENA, CA 90248
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	41486
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAT080013352
Offsite Name:	DEMENNO KERDOON
Offsite Address:	2000 N. ALAMEDA ST. COMPTON, CA 90222
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0

Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	NA
Offsite Name:	CLEAN HARBORS LOS ANGELES
Offsite Address:	5756 ALBA STREET LOS ANGELES, CA 90058
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	NA
Offsite Name:	TPST SOIL RECYCLERS OF CALIFORNIA
Offsite Address:	12328 HIBISCUS AVENUE ADELANTO, CA 92301
Offsite County:	SAN BERNARDINO
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	1.5
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0

System generated tot. qty of reported chemical in the waste transferred to broker for recycling: 0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS #:	007440473
NAICS codes:	Not reported
NAICS origin:	Not reported
DCN:	1309207652898
POTW Name:	Not reported
POTW Address:	Not reported
	Not reported
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

NAICS codes:	333995
NAICS origin:	Not reported
Facility is federal:	NO
Facility is GOCO:	NO
Data covers entire fac.:	YES
Data covers part of fac.:	NO
Contact email:	BRIAN.LANGAN@GE.COM

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report.
Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID:	110000476556
Facility Name:	GE AVIATION SYSTEMS LLC - DUARTE
Facility Address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010-2859
Facility County:	LOS ANGELES
Facility URL:	http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000476556
FIPS:	06037
Fed Facility:	Not reported
Fed Agency:	Not reported
Tribal Land:	Not reported
Tribal Name:	Not reported
Congressional District:	32
Hydrologic Unit Code:	18070105
EPA Region:	09
Site Type:	STATIONARY
Date Created:	01-MAR-00
Date Updated:	22-JUL-11
U.S-Mexico Border:	Not reported
Latitude:	34.134142
Longitude:	-117.968791
Conveyor:	REGION09
Horizontal Collection:	ADDRESS MATCHING-HOUSE NUMBER
Horizontal Accuracy:	150
Referance Point:	PLANT ENTRANCE (GENERAL)
Horizontal Datum:	NAD83
Coordinates Source:	Not reported

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

HAZARDOUS WASTE BIENNIAL REPORTER

Program System ID:	CAD008503112
Program Sys. Name:	RCRAINFO
Env. Interest Type:	LQG
Env. Interest Start Dt.:	30-JUN-80
Start Date Qualifier:	FIRST NOTIFICATION DATE
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	RCRAINFO
Active Code:	Yes

Program System ID:	CAD008503112
Program Sys. Name:	HWTS-DATAMART
Env. Interest Type:	STATE MASTER
Env. Interest Start Dt.:	Not reported
Start Date Qualifier:	Not reported
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	HWTS-DATAMART
Active Code:	Not reported

Program System ID:	CAD008503112

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Program Sys. Name:	BR
Env. Interest Type:	HAZARDOUS WASTE BIENNIAL REPORTER
Env. Interest Start Dt.:	Not reported
Start Date Qualifier:	Not reported
Env. Interest End Dt.:	01-JAN-04
End Date Qualifier:	YEAR REPORTING STOPPED
Data Source:	RCRAINFO
Active Code:	No

Program System ID:	91010DWTYR1700B
Program Sys. Name:	TRIS
Env. Interest Type:	TRI REPORTER
Env. Interest Start Dt.:	31-DEC-87
Start Date Qualifier:	FIRST REPORTING YEAR
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	TRI REPORTING FORM
Active Code:	Not reported

Alternative Name:	DOWTY AEROSPACE LOS ANGELES
Alternative Name:	GE AVIATION SYSTEMS LLC
Alternative Name:	GE AVIATION SYSTEMS LLC - DUARTE
Alternative Name:	GE AVIATION SYSTEMS LLC DUARTE
Alternative Name:	SMITHS AEROSPACE ACTUATION
Alternative Name:	SMITHS AEROSPACE ACTUATION SYS. LOS ANGELES INC.
Alternative Name:	SMITHS AEROSPACE ACTUATIONS SYS L A INC
Alternative Name:	SMITHS AEROSPACE MECHANICAL SYSTEMS LA

Contact Name:	BRIAN LANGAN
Contact Type:	PUBLIC CONTACT
Contact Title:	Not reported
Contact Telephone:	(626) 359-9211
Contact Fax:	Not reported
Contact email:	Not reported
Contact Address:	Not reported Not reported

Contact Name:	LISA SAYLOR
Contact Type:	TECHNICAL CONTACT
Contact Title:	Not reported
Contact Telephone:	(626) 201-0356
Contact Fax:	Not reported
Contact email:	Not reported
Contact Address:	Not reported Not reported

Contact Name:	ROBERT KIPFERL
Contact Type:	REGULATORY CONTACT
Contact Title:	Not reported
Contact Telephone:	626-359-9211 1308
Contact Fax:	Not reported
Contact email:	ROBERT.KIPFERL@GE.COM
Contact Address:	1700 BUSINESS CENTER DR DUARTE, CA 91010

NAICS Code:	333995(FLUID POWER CYLINDER AND ACTUATOR MANUFACTURING.)

Organization Name:	GE AVIATION SYSTEMS LLC
Affiliation Type:	OPERATOR
Organization Type:	PRIVATE
DUNS Number:	Not reported
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported Not reported

Organization Name:	Not reported
Affiliation Type:	OWNER/OPERATOR
Organization Type:	PRIVATE
DUNS Number:	008503112
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Organization Name:	GE AVIATION SYSTEMS LLC
Affiliation Type:	OWNER
Organization Type:	PRIVATE
DUNS Number:	Not reported
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Organization Name:	GENERAL ELECTRIC CO (GE CO)
Affiliation Type:	PARENT COMPANY
Organization Type:	PRIVATE
DUNS Number:	001367960
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Supplemental Interest:	STATE MASTER
PGM Sys ID:	Not reported
Supplemental PGM Sys ID:	Not reported
Start Date:	Not reported
Start Date Qualifier:	Not reported
End Date:	Not reported
End Date Qualifier:	Not reported
Date Source:	HWTS-DATAMART
Last Reported:	Not reported
Date Created:	18-NOV-04
Date Updated:	Not reported
Supplemental Interest:	TRI REPORTER
PGM Sys ID:	ICIS
Supplemental PGM Sys ID:	HQ-2010-8007
Start Date:	06-APR-11
Start Date Qualifier:	FINAL ORDER ISSUED
End Date:	Not reported
End Date Qualifier:	Not reported
Date Source:	ICIS
Last Reported:	14-APR-11
Date Created:	01-JUN-11
Date Updated:	Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
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: 10/23/2011
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/13/2013
Date of Next Scheduled Update: 09/23/2013

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-8895
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: 02/12/2013
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/02/2013
Date of Next Scheduled Update: 07/15/2013

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
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: 12/31/2009
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2013
Date of Next Scheduled Update: 09/09/2013

Cortese List: Section 65962.5(a)

Information Required From the Department of Toxic Substances Control (DTSC) Under Government Code Section 65962.5(a)

Section 65962.5(a)(1) requires that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: ....(1) [a]ll hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code ("HSC")."

The hazardous waste facilities identified in HSC § 25187.5 are those where DTSC has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment. This is a very small and specific subgroup of facilities and they are not separately posted on the DTSC or Cal/EPA's website.

The facilities listed below fall under this category:

- AAD Distribution & Dry Cleaning Inc.
  EPA ID CAD981397417
  2306 E. 38th Street
  Vernon, CA 90058
- The Marquardt Co.
  CA ID CAD044696102
  16555 Saticoy Street
  Van Nuys, CA 91406

Section 65962.5(a)(2) requires that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: ... (2) [a]ll land designated as hazardous waste property or border zone property pursuant to Article 11 (commencing with Section 25220) of Chapter 6.5 of Division 20 of the Health and Safety Code."

No facilities or lands are listed under this provision because DTSC has not designated any hazardous waste property or border zone property pursuant to the cited provisions.

Section 65962.5(a)(3) requires that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: ....(3) [a]ll information received by the Department of Toxic Substances Control pursuant to Section 25242 of the Health and Safety Code on hazardous waste disposals on public land.

HSC § 25242(a) requires a city, county, or state agency that owns or leases land to notify DTSC if it "has probable cause to believe that a disposal of hazardous waste, which is not authorized pursuant to this chapter has occurred on, under or into the land which the city, county, or state agency owns or leases..."; DTSC then shall determine if there has been an unauthorized disposal of hazardous waste.

In practice, if a city, county or state agency contacts DTSC to provide such information, they also will have contacted or will be directed to contact DTSC's Emergency Response Duty Officer, who determines whether to authorize DTSC-funding for an emergency action to properly remove and dispose of the hazardous waste.

DTSC's Emergency Response program does not keep separate records of such reports that relate to city, county or state agency property.

In the future, DTSC will track any reports received from cities, counties, or state agencies of hazardous waste disposal on land owned or leased by a city, county or state agency, where hazardous waste was released into the environment, and provide the information to Cal/EPA for inclusion in this section of the Cortese list.

Section 65962.5(a)(4) requires that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: ....(4) [a]ll sites listed pursuant to Section 25356 of the Health and Safety Code."

HSC § 25356(b)(1) requires "a listing of hazardous substance release sites selected for, and subject to, a response action under this chapter." HSC § 25356(b)(2) requires DTSC to "update the list of sites at least annually to reflect new information regarding previously listed sites or the addition of new sites requiring response action." The implementing regulations provide that sites may be listed pursuant to HSC § 25356 if (a) they are not owned by the Federal Government and (b) a release or threatened release of hazardous substances has been confirmed by on-site sampling. (California Code of Regulations, Title 22, Section 67400.1). DTSC's list of sites that meet those criteria as well as the criteria in HSC § 25356(c), is found in a report in DTSC's "Envirostor" database:

- Hazardous Waste and Substances site "Cortese" list

Sites where response actions have been completed and no operation and maintenance activities are required are not included on the list.

Section 65962.5(a)(5) requires that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: ....(5) [a]ll sites included in the Abandoned Site Assessment Program."

DTSC had an abandoned site program in the 1980s. HSC § 25369, which was enacted in 1985, required an abandoned site survey in "rural unsurveyed counties." Sites identified in the abandoned site program were included in the "CalSites" database of known and potential hazardous substance release sites. After further investigation, many sites were removed from the "CalSites" database because there was no evidence that a release of hazardous substances occurred. Some time in the early 1990s, DTSC's activities under HSC § 25369, and the entire Abandoned Site Program, were concluded.

DTSC recently replaced the "CalSites" database with a new database of hazardous substance release sites, known as the "EnviroStor" database. The EnviroStor database does not indicate if a specific site was at one time included in the abandoned site program and does not have a category for sites that are considered abandoned. The CalSites database also did not include this information. Consequently, DTSC does not provide the information to Cal/EPA originally called for under section 65962.5(a)(5).

Background and History | Cortese List Home

Last updated: October 06, 2011

California Environmental Protection Agency, http://www.calepa.ca.gov
General Public Contact, cepacomm@calepa.ca.gov (916) 323-2514

LINK TO THIS MAP

GEOTRACKER

LAYERS

SIGNIFIES A CLOSED SITE

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Permitted Underground Storage Tank (UST) Facilities
- Monitoring Wells*
- DTSC Cleanup Sites
- DTSC Haz Waste Permit

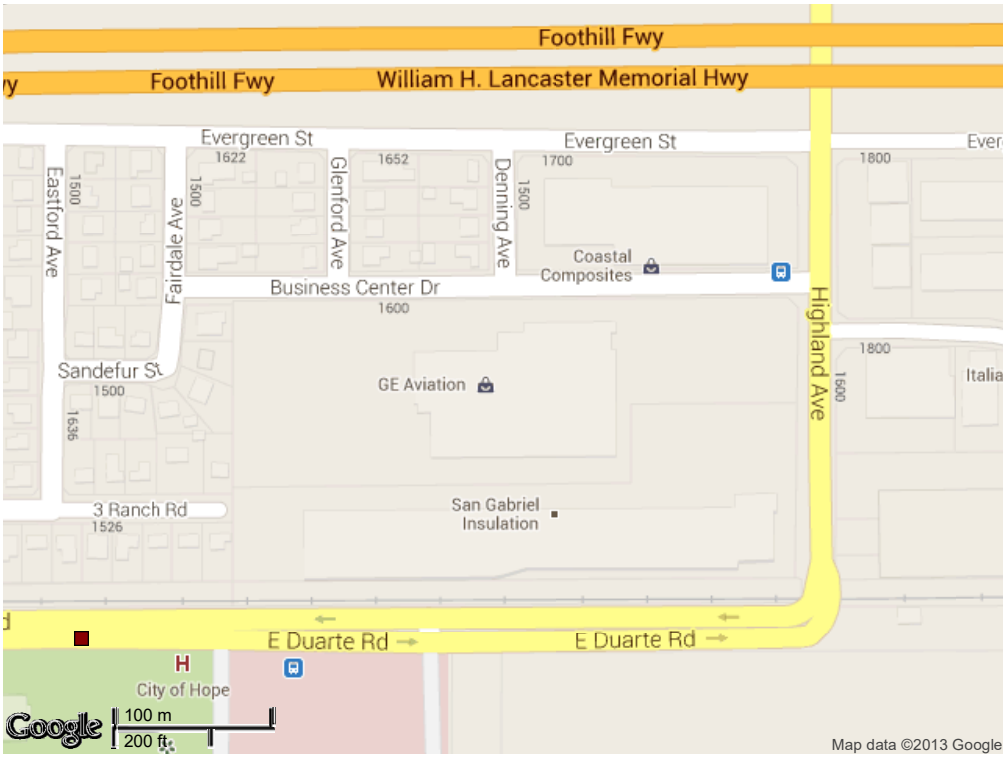
MAP SIZE

640x480

OPTIONS

Site List - EXPORT TO EXCEL

1 Sites



SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: Duarte, cA Go

SITE LIST

SITE NAME	GLOBAL ID	FAC ID	CLEANUP STATUS	ADDRESS	CITY
CITY OF HOPE		169		1500 DUARTE RD	DUARTE

MAP AN ADDRESS: Go!

SITES IDENTIFIED WITH WASTE CONSTITUENTS ABOVE HAZARDOUS WASTE LEVELS OUTSIDE THE WASTE MANAGEMENT UNIT

COUNTY	CITY	REGION	SWAT F	WASTE DISCHARGER SYSTEM NO.	SOLID WASTE ID NO.	WASTE MANAGEMENT UNIT NAME	FACILITY NAME	AGENCY NAME
DEL NORTE	CRESCENT CITY	1	2	1A880520NSL-01		DEL NORTE COUNTY- PESTICIDE STORAGE	DEL NORTE PESTICIDE STORAGE AR	DEL NORTE, COUNTY OF
CONTRA COSTA	PITTSBURG	2	1	2 071059002-02	07-A1-0001	U.S. STEEL CORP.-PITTSBURG SITE LA	WDR-USS-POSCO	USS-POSCO
SOLANO	VALLEJO	2	1	2 482011003-01	48-AA-0008	US NAVY MARE ISLAND SANITARY LANDFILL	WDR-NAVAL SHIPYARD/CLASS I LAN	MARE ISLAND NAVAL SHIPYARD
CONTRA COSTA	RICHMOND	2	3	2 071007002-01		CHEVRON CHEMICAL COMPANY-OLD SITES	WDR-ORTHO DIV-RICHMOND PLANT	CHEVRON CHEMICAL COMPANY
MONTEREY	FORT ORD (Marina)	3	1	3 270301004-01	27-AA-0015	FORT ORD LANDFILL	SANITARY LANDFILL	U.S. ARMY, FORT ORD
SANTA BARBARA	LOMPOC	3	3	3 420305001-01	42-AA-0017	LOMPOC CITY LANDFILL	SOLID WASTE DISPOSAL SITE	LOMPOC CITY
LOS ANGELES	MONTEREY PARK	4	1	4B190332001-01	19-AM-0001	OPERATING INDUSTRIES LANDFILL	OPERATING INDUSTRIES, INC.	OPERATING INDUSTRIES, INC.
TULARE	WOODLAKE	5F	1	5D540300010-01	54-AA-0007	TULARE COUNTY-WOODLAKE LANDFILL	WOODLAKE SWDS	TULARE, COUNTY OF
FRESNO	FRESNO	5F	2	5D100300001-01		MCKINLEY AVE. YARD	T.H. AGRICULTURE AND NUTRITION	NORTH AMERICAN PHILLIPS
KINGS	CORCORAN	5F	2	5D160302001-01	16-AA-0011	KINGS COUNTY-CORCORAN LANDFILL	CORCORAN SWDS	KINGS COUNTY WASTE MGMT AUTH.
FRESNO	FRESNO	5F	3	5D100319001-01	10-AA-0013	ORANGE AVENUE DISPOSAL COMPANY	ORANGE AVENUE LANDFILL	ORANGE AVENUE DISP CO. INC
TULARE	EXETER	5F	3	5D540300003-01	54-AA-0002	TULARE COUNTY-EXETER DISPOSAL SITE	EXETER SWDS	TULARE, COUNTY OF
MERCED	ATWATER	5F	4	5C240115001-01		ATWATER CITY	BERT CRANE ROAD LANDFILL	ATWATER, CITY OF
FRESNO	FOWLER	5F	5	5D100325N01-01		FOWLER CITY	FOWLER CITY LANDFILL (OLD)	FOWLER, CITY OF
BUTTE	OROVILLE	5R	2	5A042005001-01		KOPPERS COMPANY-OROVILLE SITE	KOPPERS WOOD PRESERVING ISW	KOPPERS INDUSTRIES INC.
BUTTE	CHICO	5R	4	5A040302N01-01		CHICO CITY BURN DUMP	HUMBOLDT ROAD LANDFILL	CHICO, CITY OF
SACRAMENTO	SACRAMENTO	5S	1	5A340700003-01	34-AA-0008	US AIR FORCE-MCCLELLAN AFB LANDFILL	CLASS III SITE 8 (CLOSURE)	US AIR FORCE-MCCLELLAN AFB
SACRAMENTO	MATHER (Rancho Cordova)	5S	2	5A340700001-01		US AIR FORCE-MATHER FIELD LANDFILL	MATHER AFB ENVIRONMENTAL MGMT	US AIR FORCE – MATHER AFB
SACRAMENTO	SACRAMENTO	5S	3	5B342000N01-01		SACRAMENTO ARMY DEPOT	SACRAMENTO ARMY DEPOT	U.S. ARMY
SAN JOAQUIN	STOCKTON	5S	3	5 390002NUR-01	39-AA-0006	US NAVY COMMUNICATIONS LANDFILL	U.S.N. COMMUNICATION STA. LANDF	U.S. NAVY COMMUNICATIONS
SAN JOAQUIN	FRENCH CAMP	5S	3	5 390003NUR-01		US ARMY-SHARPE ARMY DEPOT	US ARMY-SHARPE ARMY DEPOT	US ARMY
SAN JOAQUIN	TRACY	5S	5	5 390006NUR-01		SITE 300 (OTHER 39 WMUS)	LAWRENCE LIVERMORE LAB	LAWRENCE LIVERMORE LABS
INYO	KEELER	6V	1	6B142000041-01	14-AA-0008	US TUNGSTEN OWENS LAKE LANDFILL	OWENS LAKE LANDFILL	UMETCO MINERALS CORPORATION
ORANGE	FULLERTON	8	1	8300002NUR-01		MCCOLL SITE	MCCOLL SLUDGE DISPOSAL SITE	TOXIC SUBSTANCES CONTROL DIVIS
RIVERSIDE	RIVERSIDE	8	1	8 330325001-01		STRINGFELLOW QUARRY ACID PITS	STATE OF CALIFORNIA-STRINGFELLOW	TOXIC PROGRAM MANAGEMENT SECT

60001268	BUENA PAI	STATE RESI	ACTIVE	3/9/2010	6522 STAN	BUENA PARK	90621	ORANGE	401478	33.8658	-117.994
60001550	CLA-VAL FA	STATE RESI	ACTIVE	########	1701 PLACI	COSTA MESA	92627	ORANGE	401579	33.63706	-117.933
30970004	COSTA MES	STATE RESI	ACTIVE	########	S OF PRESII	COSTA MESA	92626	ORANGE	400498	33.67167	-117.889
60001549	MAURER M	STATE RESI	ACTIVE	8/4/2011	873 WEST :	COSTA MESA	92627	ORANGE	401578	33.63559	-117.935
60001612	PRECISION	STATE RESI	ACTIVE	########	865 AND 8(	COSTA MESA	92627	ORANGE	401409	33.63608	-117.935
60001509	SOUTHERN	STATE RESI	ACTIVE	1/5/2012	1680 MON	COSTA MESA	92627	ORANGE	401558	33.6354	-117.936
60001251	CHICAGO M	STATE RESI	ACTIVE	########	350 SOUTH	FULLERTON	92831	ORANGE	401489	33.86791	-117.907
60000511	FULLERTON	STATE RESI	ACTIVE	########	TRUSLOW &	FULLERTON	92832	ORANGE	401331	33.86696	-117.924
71002520	ORANGE C(	STATE RESI	ACTIVE	########	1711 E. KIN	FULLERTON	92634	ORANGE	401605	33.86319	-117.897
30490018	ASCON LAN	STATE RESI	ACTIVE	1/1/1984	21641 MA(	HUNTINGTON BEACH	92646	ORANGE	400007, 4(	33.64776	-117.973
30970003	EL TORO M	FEDERAL SI	ACTIVE - LA	5/1/1986	4,741 ACRE	IRVINE	92709	ORANGE	400055	33.68306	-117.734
30970010	TRABUCO E	STATE RESI	ACTIVE	8/7/2001	RANCHO SA	RANCHO SANTA MAG	92688	ORANGE	400921	33.66556	-117.588
60001272	DIESEL LOC	STATE RESI	ACTIVE	4/6/2010	1331 E. WA	SANTA ANA	92705	ORANGE	401519, 4(	33.71594	-117.853
30970001	NWS SEAL	STATE RESI	ACTIVE	5/1/1986	SEAL BEACI	SEAL BEACH	90740	ORANGE	400136	33.75889	-118.077
30970002	TUSTIN MA	STATE RESI	ACTIVE - LA	6/1/1986	NEWPORT	TUSTIN	92710	ORANGE	400091, 4(	33.71639	-117.831

8	228170	GW Cleanı	ExxonMobi	Facility		Industrial	Privately-O	1	1477	Jeffe	Anaheim	92807	Orange	33.86452	-117.837	4959 Sanitary Services, NEC
8	228208	GW Cleanı	ConocoPhi	Facility		Industrial	Privately-O	1	120	Imper	Brea		Orange			4959 Sanitary Services, NEC
8	228161	GW Cleanup-Buena P		Facility		Industrial			7491	La P	Buena Park	93010	Orange			4959 Sanitary Services, NEC
8	228212	GW CLEAI	Argo Tech	Facility		Industrial	Privately-O	1	671	W. SE	COSTA MESA	92673	Orange			4959 Sanitary Services, NEC
8	233949	JOHN WA	John Wayr	Facility		All other fa	Other	1	3151	AIRV	COSTA MESA		Orange			4581 Airports, Flying Fields, and Airport Terminal S
8	228339	GW Cleanup-H.B.,Wa		Facility		Industrial			5002	Warı	Huntington Beach	92649	Orange	33.71529	-118.041	4959 Sanitary Services, NEC
8	228332	GW CLEANUP-H.B.,N		Facility		Industrial			17121	NIC	HUNTINGTON BEACH		Orange			4959 Sanitary Services, NEC
8	219939	DEWATEF	Ca Dept of	Facility		All other fa	State Agen	1	3201	WAL	IRVINE		Orange			1611 Highway and Street Construction, Except Ele
8	228357	GW CLEAI	Great Lake	Facility		Industrial	Privately-O	1	17461	DEI	IRVINE	92714	Orange	117.9081	-33.6867	4959 Sanitary Services, NEC
8	228361	GW Cleanı	Xerox Corp	Facility		Industrial	Privately-O	1	18691	Jan	Irvine	92715	Orange			4959 Sanitary Services, NEC
8	228359	GW Cleanı	Unocal Cor	Facility		Industrial	Privately-O	1	4760	Irvine	Irvine	92720	Orange			4959 Sanitary Services, NEC
8	228354	GW Cleanı	Prudential	Facility		All other fa	Privately-O	1	Campus &		Irvine	92715	Orange			4959 Sanitary Services, NEC
8	236464	Lane Road Landfill, Irv		Facility	Land fill	Solid Waste	Class III - nonhazard		Michelson		Irvine		Orange			
8	228364	GW Cleanup-Irvine,Ma		Facility		All other facilities			1960	Main	Irvine	92714	Orange			4959 Sanitary Services, NEC
8	228391	GW CLEAI	EXXON M(	Facility		Industrial	Privately-O	1	5962	LA P	LA PALMA		Orange			4959 Sanitary Services, NEC
9	240119	MCMASTE	MCMASTE	Facility		All other fa	Privately-O	1	25195	JAC	MURRIETA	92562	Orange	33.55854	-117.192	
8	228412	GW Cleanı	Shell Oil C	Facility		Industrial	Privately-O	1	1000	Irvine	Newport Beach	92660	Orange	33.62858	-117.908	4959 Sanitary Services, NEC
8	228422	GW CLEAI	MOBIL BU	Facility		All other fa	Privately-O	1	1000	PAC	NEWPORT BEACH	92660	Orange			4959 Sanitary Services, NEC
8	228421	GW CLEAI	EXXON M(	Facility		Industrial	Privately-O	1	301	PACI	NEWPORT BEACH	92660	Orange			4959 Sanitary Services, NEC
8	228420	GW CLEAI	TRIANGLE	Facility		Industrial	Privately-O	1	PCH AND		NEWPORT BEACH		Orange			4959 Sanitary Services, NEC
8	244269	Newport Pl	Newport Pl	Facility		Industrial	Privately-O	1	2810	Villa	Newport Beach		Orange			3471 Electroplating, Plating, Polishing, Anodizing, a
8	244269	Newport Pl	Newport Pl	Facility		Industrial	Privately-O	1	2810	Villa	Newport Beach		Orange			3471 Electroplating, Plating, Polishing, Anodizing, a
8	270748	VOC INVE	ISCI, INC.	Facility		Industrial	Privately-O	1	2033	COL	ORANGE		Orange			4959 Sanitary Services, NEC
9	249186	Prima Deshecha Sanit		Facility	Land fill	Solid Waste	Class III - nonhazard		32250	La I	San Juan Capistrano	92675	Orange	33.51348	-117.623	4953 Refuse Systems
8	228487	GW Cleanı	Craig Deve	Facility		Industrial	Privately-O	1	2102	Sout	Santa Ana	92707	Orange	33.71961	-117.868	4959 Sanitary Services, NEC
8	228542	GW Cleanı	USA Gasol	Facility		Industrial	Privately-O	1	14600	Edv	Westminster	92683	Orange	33.75097	-118.016	4959 Sanitary Services, NEC
8	228536	GW CLEAI	Chevron U	Facility		Industrial	Privately-O	1	15482	BE/	WESTMINSTER	92683	Orange			4959 Sanitary Services, NEC
8	228546	GW Cleanı	Spitzer, Art	Facility		Industrial	Privately-O	1	14072	Ma	Westminster		Orange			4959 Sanitary Services, NEC

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Inquiry Number:
June 20, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

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

SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **GE AVIATION SYSTEMS LLC - DUARTE** 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 EDR ID #1000385001 EPA #CAD008503112
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	**YES - p4**
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	**YES - p7**
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	**YES - p12**
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	3

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

RCRA-LQG:

Date form received by agency:	02/27/2012
Facility name:	GE AVIATION SYTEMS, LLC
Facility address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010
EPA ID:	CAD008503112
Mailing address:	BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact:	LONNIE R OLSEN
Contact address:	BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact country:	Not reported
Contact telephone:	(626) 246-0753
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	GE AVIATION SYSTEMS, LLC
Owner/operator address:	PATTERSON AVE SE GRAND RAPIDS, MI 49512
Owner/operator country:	Not reported
Owner/operator telephone:	(616) 241-7000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/04/2007
Owner/Op end date:	Not reported

Owner/operator name:	GE AVIATION SYSTEMS, LLC
Owner/operator address:	PATTERSON AVE SE GRAND RAPIDS, MI 49512
Owner/operator country:	US
Owner/operator telephone:	(616) 241-7000
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/01/2007
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
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: 01/07/2008
Facility name: GE AVIATION SYTEMS, LLC
Site name: GE AVIATION SYSTEMS LLC
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Small Quantity Generator

Date form received by agency: 02/27/2004
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Large Quantity Generator

Date form received by agency: 07/10/2001
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1996
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LA
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Facility name: GE AVIATION SYTEMS, LLC
Site name: DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980
Facility name: GE AVIATION SYTEMS, LLC
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE,

ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	2237
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	883
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	35040
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	54
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	2237

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	02/23/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

MULTIMEDIA

Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313

DATABASE: Toxic Chemical Release Inventory System (TRIS)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

TRIS:

TRIS ID:	91010DWTYR1700B
Reporting Year:	2009
Title of Certifying Official:	BUSINESS SITE LEADER
Certifying official:	BRIAN LANGAN
Mailing Name:	GE AVIATION SYSTEMS LLC - DUARTE
Mailing Address:	1700 BUSINESS CENTER DR DUARTE, CA 9101
Contact:	BRIAN LANGAN
Contact Telephone:	(626) 359-9211
NAICS codes:	333995
NAICS origin:	Not reported
Reported Latitude:	34.134135
Reported Longitude:	-117.967893
DUNS Number:	008503112
EPA ID:	Not reported
RCRA ID:	Not reported
NPDES ID:	Not reported
UIC ID:	Not reported
Parent Name:	GENERAL ELECTRIC CO (GE CO)
Parent DUNS Number:	001367960
CAS Number:	007440473
Chemical Name:	CHROMIUM
Chemical is produced in facility:	NO
Chemical is imported:	NO
Chemical is for on-site use:	NO
Max chem. qty (lbs) code:	03
Estimated qty of fugitive air release pounds/yr:	14
Estimated qty of stack air release in pounds/yr:	0
Total air emissions:	14
Affected Stream Name:	LOS ANGLES RIVER
Water Stream Release:	0
Percentage of total qty by weight of stream release:	0
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	0
Other disposal:	0
Tot. onsite medium rel:	0
Metals offsite transfers:	0
Tot. reprtd storage-only:	0
POTWS offsite transfers:	0
Underground injection:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Other offsite mgmnt:	0
Waster broker transfers:	7.5
Tot. offsite transfers:	7.5
Tot. offsite transfers for further waste management:	41486

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported
Chemical Name:	CHROMIUM
NAICS codes:	333995
NAICS origin:	Not reported
Qty released prior year:	5
Qty released current yr:	21.5
Qty rel. following year:	21.5
Qty released of Catastrophic/one-time event:	Not reported
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported

Revision code 2:	Not reported
CAS Number:	007440473
Offsite RCRA ID:	ARD069748192
Offsite Name:	CLEAN HARBORS EL DORADO, LLC
Offsite Address:	309 AMERICAN CIRCLE EL DORADO, AR 71730
Offsite County:	UNION
NAICS codes:	333995
NAICS origin:	Not reported

Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	.3
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAD008364432
Offsite Name:	RHO CHEM
Offsite Address:	425 ISIS AVENUE INGLEWOOD, CA 90301
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported

Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	5.7
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAD983570938
Offsite Name:	SPADRA LANDFILL GAS TO ENERGY
Offsite Address:	2800 WORKMAN MILL RD WHITTIER, CA 90601
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported

Estimated tot. qty reported chemical in waste:	0

Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAR000111567
Offsite Name:	S O S ECOLOGY MANAGEMENT INC
Offsite Address:	201 E GARDENA BLVD STE A GARDENA, CA 90248
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	41486
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	CAT080013352
Offsite Name:	DEMENNO KERDOON
Offsite Address:	2000 N. ALAMEDA ST. COMPTON, CA 90222
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0

Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	NA
Offsite Name:	CLEAN HARBORS LOS ANGELES
Offsite Address:	5756 ALBA STREET LOS ANGELES, CA 90058
Offsite County:	LOS ANGELES
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	0
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0
System generated tot. qty of reported chemical in the waste transferred to broker for recycling:	0
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS Number:	007440473
Offsite RCRA ID:	NA
Offsite Name:	TPST SOIL RECYCLERS OF CALIFORNIA
Offsite Address:	12328 HIBISCUS AVENUE ADELANTO, CA 92301
Offsite County:	SAN BERNARDINO
NAICS codes:	333995
NAICS origin:	Not reported
Estimated tot. qty reported chemical in waste:	0
Est tot qty reported chemical in waste transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical in waste transferred to offsite wastewater treatment:	0
Estimated tot. qty of reported chemical in waste transferred to offsite underground injection:	0
Estimated tot. qty of reported chemical in waste transferred to offsite landfill impoundments ponds:	0
Estimated tot. qty of reported chemical in waste subjected to land treatment:	0
Estimated tot. qty of reported chemical in waste subjected to other land disposal:	0
Estimated tot. qty of reported chemical in waste subjected to other offsite management:	0
Estimated tot. qty of reported chemical in waste subjected to waste broker disposal:	1.5
Estimated tot. qty of reported chemical transferred offsite for unknown processing:	0
Estimated tot. qty of reported chemical transferred offsite for solidification/stabilization:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/chemical treatment:	0
Estimated tot. qty of reported chemical transferred offsite for incineration/insignificant fuel value:	0
Estimated tot. qty of reported chemical transferred to offsite wastewater treatment excluding POTW:	0
Estimated tot. qty of reported chemical transferred offsite for waste treatment:	0
Estimated tot. qty of reported chemical subjected to waste broker disposal:	0
Amount range of toxic chemical sent offsite for energy recovery:	Not reported
System generated tot. qty of reported chemical in the waste sent offsite for energy recovery:	0
System generated tot. qty of reported chemical sent to waste broker for energy recovery:	0
System generated tot. qty of reported chemical in the waste transferred for solvents/organics recovery:	0
System generated tot. qty of reported chemical in the waste transferred for metal recovery:	0
System generated tot. qty of reported chemical in the waste transferred for other reuse/recovery:	0
System generated tot. qty of reported chemical in the waste transferred for acid regeneration:	0

System generated tot. qty of reported chemical in the waste transferred to broker for recycling: 0

Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

CAS #:	007440473
NAICS codes:	Not reported
NAICS origin:	Not reported
DCN:	1309207652898
POTW Name:	Not reported
POTW Address:	Not reported
	Not reported
Metal indicator:	YES
Contact email:	BRIAN.LANGAN@GE.COM
Revision code 1:	Not reported
Revision code 2:	Not reported

NAICS codes:	333995
NAICS origin:	Not reported
Facility is federal:	NO
Facility is GOCO:	NO
Data covers entire fac.:	YES
Data covers part of fac.:	NO
Contact email:	BRIAN.LANGAN@GE.COM

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

GE AVIATION SYSTEMS LLC - DUARTE
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010
EDR ID #1000385001

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report.
Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID:	110000476556
Facility Name:	GE AVIATION SYSTEMS LLC - DUARTE
Facility Address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010-2859
Facility County:	LOS ANGELES
Facility URL:	http://iaspub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000476556
FIPS:	06037
Fed Facility:	Not reported
Fed Agency:	Not reported
Tribal Land:	Not reported
Tribal Name:	Not reported
Congressional District:	32
Hydrologic Unit Code:	18070105
EPA Region:	09
Site Type:	STATIONARY
Date Created:	01-MAR-00
Date Updated:	22-JUL-11
U.S-Mexico Border:	Not reported
Latitude:	34.134142
Longitude:	-117.968791
Conveyor:	REGION09
Horizontal Collection:	ADDRESS MATCHING-HOUSE NUMBER
Horizontal Accuracy:	150
Referance Point:	PLANT ENTRANCE (GENERAL)
Horizontal Datum:	NAD83
Coordinates Source:	Not reported

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

HAZARDOUS WASTE BIENNIAL REPORTER

Program System ID:	CAD008503112
Program Sys. Name:	RCRAINFO
Env. Interest Type:	LQG
Env. Interest Start Dt.:	30-JUN-80
Start Date Qualifier:	FIRST NOTIFICATION DATE
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	RCRAINFO
Active Code:	Yes

Program System ID:	CAD008503112
Program Sys. Name:	HWTS-DATAMART
Env. Interest Type:	STATE MASTER
Env. Interest Start Dt.:	Not reported
Start Date Qualifier:	Not reported
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	HWTS-DATAMART
Active Code:	Not reported

Program System ID:	CAD008503112

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Program Sys. Name:	BR
Env. Interest Type:	HAZARDOUS WASTE BIENNIAL REPORTER
Env. Interest Start Dt.:	Not reported
Start Date Qualifier:	Not reported
Env. Interest End Dt.:	01-JAN-04
End Date Qualifier:	YEAR REPORTING STOPPED
Data Source:	RCRAINFO
Active Code:	No

Program System ID:	91010DWTYR1700B
Program Sys. Name:	TRIS
Env. Interest Type:	TRI REPORTER
Env. Interest Start Dt.:	31-DEC-87
Start Date Qualifier:	FIRST REPORTING YEAR
Env. Interest End Dt.:	Not reported
End Date Qualifier:	Not reported
Data Source:	TRI REPORTING FORM
Active Code:	Not reported

Alternative Name:	DOWTY AEROSPACE LOS ANGELES
Alternative Name:	GE AVIATION SYSTEMS LLC
Alternative Name:	GE AVIATION SYSTEMS LLC - DUARTE
Alternative Name:	GE AVIATION SYSTEMS LLC DUARTE
Alternative Name:	SMITHS AEROSPACE ACTUATION
Alternative Name:	SMITHS AEROSPACE ACTUATION SYS. LOS ANGELES INC.
Alternative Name:	SMITHS AEROSPACE ACTUATIONS SYS L A INC
Alternative Name:	SMITHS AEROSPACE MECHANICAL SYSTEMS LA

Contact Name:	BRIAN LANGAN
Contact Type:	PUBLIC CONTACT
Contact Title:	Not reported
Contact Telephone:	(626) 359-9211
Contact Fax:	Not reported
Contact email:	Not reported
Contact Address:	Not reported Not reported

Contact Name:	LISA SAYLOR
Contact Type:	TECHNICAL CONTACT
Contact Title:	Not reported
Contact Telephone:	(626) 201-0356
Contact Fax:	Not reported
Contact email:	Not reported
Contact Address:	Not reported Not reported

Contact Name:	ROBERT KIPFERL
Contact Type:	REGULATORY CONTACT
Contact Title:	Not reported
Contact Telephone:	626-359-9211 1308
Contact Fax:	Not reported
Contact email:	ROBERT.KIPFERL@GE.COM
Contact Address:	1700 BUSINESS CENTER DR DUARTE, CA 91010

NAICS Code:	333995(FLUID POWER CYLINDER AND ACTUATOR MANUFACTURING.)

Organization Name:	GE AVIATION SYSTEMS LLC
Affiliation Type:	OPERATOR
Organization Type:	PRIVATE
DUNS Number:	Not reported
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported Not reported

Organization Name:	Not reported
Affiliation Type:	OWNER/OPERATOR
Organization Type:	PRIVATE
DUNS Number:	008503112
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported

Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Organization Name:	GE AVIATION SYSTEMS LLC
Affiliation Type:	OWNER
Organization Type:	PRIVATE
DUNS Number:	Not reported
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Organization Name:	GENERAL ELECTRIC CO (GE CO)
Affiliation Type:	PARENT COMPANY
Organization Type:	PRIVATE
DUNS Number:	001367960
Division Name:	Not reported
Telephone Number:	Not reported
Alternative Number:	Not reported
Fax Number:	Not reported
Email:	Not reported
EIN:	Not reported
State Business ID:	Not reported
Parent Name:	Not reported
Parent DUNS:	Not reported
Mailing Address:	Not reported
	Not reported
Supplemental Interest:	STATE MASTER
PGM Sys ID:	Not reported
Supplemental PGM Sys ID:	Not reported
Start Date:	Not reported
Start Date Qualifier:	Not reported
End Date:	Not reported
End Date Qualifier:	Not reported
Date Source:	HWTS-DATAMART
Last Reported:	Not reported
Date Created:	18-NOV-04
Date Updated:	Not reported
Supplemental Interest:	TRI REPORTER
PGM Sys ID:	ICIS
Supplemental PGM Sys ID:	HQ-2010-8007
Start Date:	06-APR-11
Start Date Qualifier:	FINAL ORDER ISSUED
End Date:	Not reported
End Date Qualifier:	Not reported
Date Source:	ICIS
Last Reported:	14-APR-11
Date Created:	01-JUN-11
Date Updated:	Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
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: 10/23/2011
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/13/2013
Date of Next Scheduled Update: 09/23/2013

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-8895
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: 02/12/2013
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/02/2013
Date of Next Scheduled Update: 07/15/2013

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
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: 12/31/2009
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2013
Date of Next Scheduled Update: 09/09/2013

Property Detail Report

For Property Located At :
1700 BUSINESS CENTER DR, DUARTE, CA 91010-2859

CoreLogic RealQuest Professional

Owner Information

Bldg Card: 000 of 002

Owner Name:	**WOODWARD HRT INC**
Mailing Address:	**1700 BUSINESS CENTER DR, DUARTE CA 91010-2859 C015**
Vesting Codes:	**/ / CO**

Location Information

Legal Description:	**PARCEL MAP AS PER BK 6 PG 1 OF P M LOT 1**		
County:	**LOS ANGELES, CA**	APN:	**8528-011-020**
Census Tract / Block:	**4301.01 / 3**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**29-D5 / 568-B6**
Legal Lot:	**1**	Tract #:	
Legal Block:		School District:	**DUARTE**
Market Area:		Munic/Township:	
Neighbor Code:			

Owner Transfer Information

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	**12/28/2012 / 12/22/2012**	1st Mtg Amount/Type:	**/**
Sale Price:	**$11,700,000**	1st Mtg Int. Rate/Type:	**/**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	2018522	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$102.10**
New Construction:		Multi/Split Sale:	
Title Company:	**CHICAGO TITLE CO.**		
Lender:			
Seller Name:	**GE AVIATION SYSTEMS LLC**		

Prior Sale Information

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics

Year Built / Eff:	**1964 /**	Total Rooms/Offices		Garage Area:	
Gross Area:	**114,599**	Total Restrooms:		Garage Capacity:	
Building Area:	**114,599**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:		Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

Zoning:	**DUM1***	Acres:	**9.01**	County Use:	**HEAVY MANUFACTURING (3200)**
Lot Area:	**392,599**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**HEAVY INDUSTRIAL**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	

Tax Information

Total Value:	**$6,770,928**	Assessed Year:	**2012**	Property Tax:	**$98,772.77**
Land Value:	**$3,574,928**	Improved %:	**47%**	Tax Area:	**3306**
Improvement Value:	**$3,196,000**	Tax Year:	**2012**	Tax Exemption:	
Total Taxable Value:	**$6,770,928**				

Property Detail Report

For Property Located At :
1716 EVERGREEN ST, DUARTE, CA 91010

CoreLogic RealQuest Professional

Owner Information

Owner Name:	**S C INVESTMENTS DUARTE**
Mailing Address:	**11620 WILSHIRE BLVD #300, LOS ANGELES CA 90025-1769 C003 C/O HOWARD SCHWIMMER**
Vesting Codes:	**/ / PS**

Location Information

Legal Description:	**LAND DESC IN DOC 1038522,930602 TR= 4365 POR OF LOT A**		
County:	**LOS ANGELES, CA**	APN:	**8528-011-022**
Census Tract / Block:	**4301.01 / 3**	Alternate APN:	
Township-Range-Sect:		Subdivision:	**4365**
Legal Book/Page:	**45-30**	Map Reference:	**29-D5 / 568-B6**
Legal Lot:	**A**	Tract #:	**4365**
Legal Block:		School District:	**DUARTE**
Market Area:		Munic/Township:	
Neighbor Code:			

Owner Transfer Information

Recording/Sale Date:	**06/02/1993 /**	Deed Type:	**PARTNERSHIP GRANT DEED**
Sale Price:		1st Mtg Document #:	
Document #:	1038522		

Last Market Sale Information

Recording/Sale Date:	**03/02/1990 / 11/1989**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:	339804	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:	**LEWIS RICHARD L**		

Prior Sale Information

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics

Year Built / Eff:	**1978 / 1978**	Total Rooms/Offices		Garage Area:	
Gross Area:	**70,890**	Total Restrooms:		Garage Capacity:	
Building Area:	**70,890**	Roof Type:	**TRUSS-JOIST**	Parking Spaces:	**166**
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:	**CONCRETE**	Air Cond:	**PARTIAL**
# of Stories:	**1.00**	Foundation:	**CONCRETE**	Pool:	
Other Improvements:		Exterior wall:	**TILT-UP**	Quality:	**AVERAGE**
		Basement Area:		Condition:	**GOOD**

Site Information

Zoning:	**DUM1***	Acres:	**3.14**	County Use:	**WHSE-50000+ SF (3330)**
Lot Area:	**136,693**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**WAREHOUSE**	Commercial Units:		Water Type:	
Site Influence:	**CORNER**	Sewer Type:		Building Class:	

Tax Information

Total Value:	**$4,933,321**	Assessed Year:	**2012**	Property Tax:	**$67,465.03**
Land Value:	**$2,355,337**	Improved %:	**52%**	Tax Area:	**3407**
Improvement Value:	**$2,577,984**	Tax Year:	**2012**	Tax Exemption:	
Total Taxable Value:	**$4,933,321**				

Property Detail Report

For Property Located At :
1801 HIGHLAND AVE, DUARTE, CA 91010-2839

CoreLogic RealQuest Professional

Owner Information

Bldg Card: 000 of 002

Owner Name:	**HIGHLAND INDUSTRIAL CENTER LLC**
Mailing Address:	**11620 WILSHIRE BLVD #300, LOS ANGELES CA 90025-1769 C003 C/O HOWARD SCHWIMMER**
Vesting Codes:	**/ / CO**

Location Information

Legal Description:	**PARCEL MAP AS PER BK 6 PG 1 OF P M LOT 2**		
County:	**LOS ANGELES, CA**	APN:	**8528-011-021**
Census Tract / Block:	**4301.01 / 3**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**43-B4 / 568-B6**
Legal Lot:	**2**	Tract #:	
Legal Block:		School District:	**DUARTE**
Market Area:		Munic/Township:	
Neighbor Code:			

Owner Transfer Information

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information

Recording/Sale Date:	**12/20/2000 / 12/13/2000**	1st Mtg Amount/Type:	**$3,945,000 / CONV**
Sale Price:	**$5,000,050**	1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	1981835
Document #:	1981834	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$38.92**
New Construction:		Multi/Split Sale:	
Title Company:	**STEWART TITLE**		
Lender:	**WELLS FARGO BK**		
Seller Name:	**MONUMENTAL LIFE INSURANCE CO**		

Prior Sale Information

Prior Rec/Sale Date:	**10/27/1995 /**	Prior Lender:	
Prior Sale Price:	**$4,227,904**	Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	1745684	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**TRUSTEE DEED**		

Property Characteristics

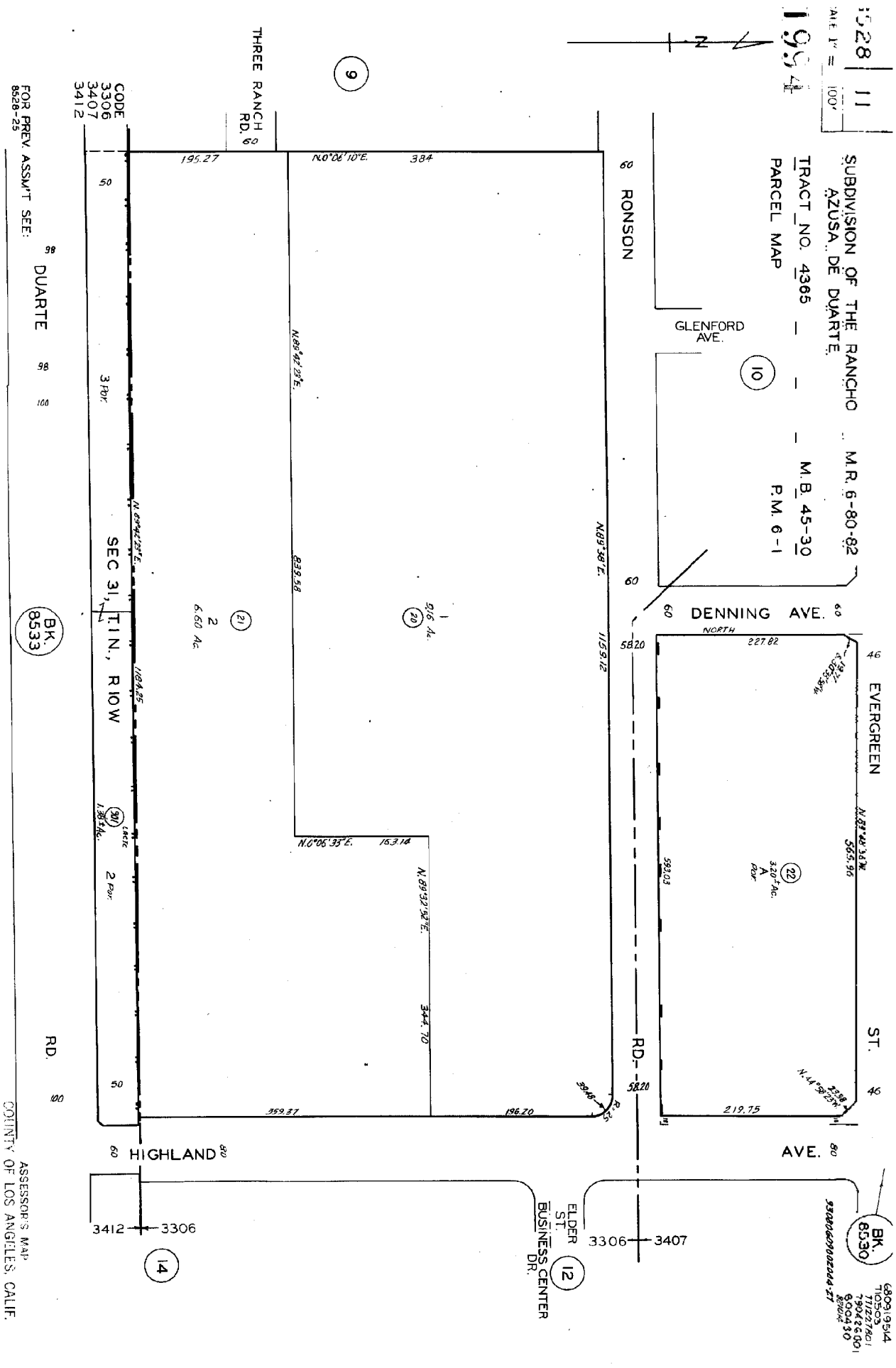
Year Built / Eff:	**1966 /**	Total Rooms/Offices		Garage Area:	
Gross Area:	**128,466**	Total Restrooms:		Garage Capacity:	
Building Area:	**128,466**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:		Air Cond:	
# of Stories:		Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	
		Basement Area:		Condition:	

Site Information

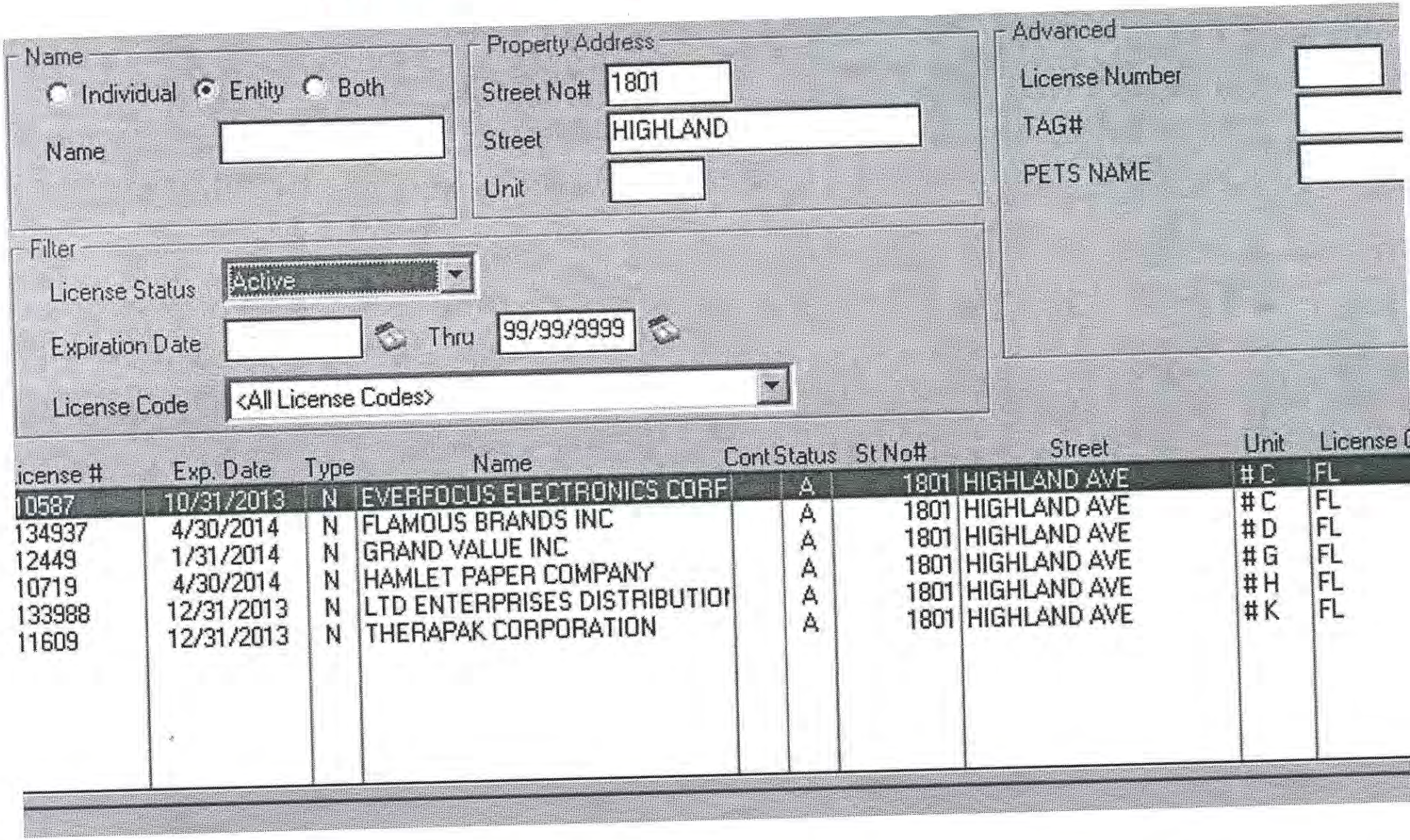
Zoning:	**DUM1***	Acres:	**6.59**	County Use:	**WHSE-50000+ SF (3330)**
Lot Area:	**286,938**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**WAREHOUSE**	Commercial Units:	**12**	Water Type:	
Site Influence:		Sewer Type:		Building Class:	

Tax Information

Total Value:	**$6,284,279**	Assessed Year:	**2012**	Property Tax:	**$88,524.76**
Land Value:	**$3,599,010**	Improved %:	**43%**	Tax Area:	**3306**
Improvement Value:	**$2,685,269**	Tax Year:	**2012**	Tax Exemption:	
Total Taxable Value:	**$6,284,279**				


8528
1954
SUBDIVISION OF THE RANCHO AZUSA, DE DUARTE
TRACT NO. 4365 — — — M.B. 45-30
PARCEL MAP — — — P.M. 6-1
M.R. 6-80-82
THREE RANCH RD.
RONSON
GLENFORD AVE.
DENNING AVE.
EVERGREEN ST.
HIGHLAND AVE.
ELDER ST.
BUSINESS CENTER DR.
SEC 31, T.1N., R.10W
DUARTE
FOR PREV. ASSM'T SEE: 8528-25
CODE 3306 3407 3412
BK. 8533
BK. 8530
ASSESSOR'S MAP COUNTY OF LOS ANGELES, CALIF.

PARCEL #1


Name
Individual
Entity
Both
Name
Property Address
Street No#
1801
Street
HIGHLAND
Unit
Advanced
License Number
TAG#
PETS NAME
Filter
License Status
Active
Expiration Date
Thru
99/99/9999
License Code
<All License Codes>
License # | Exp. Date | Type | Name | Cont Status | St No# | Street | Unit | License C
10587 | 10/31/2013 | N | EVERFOCUS ELECTRONICS CORF | A | 1801 | HIGHLAND AVE | # C | FL
134937 | 4/30/2014 | N | FLAMOUS BRANDS INC | A | 1801 | HIGHLAND AVE | # D | FL
12449 | 1/31/2014 | N | GRAND VALUE INC | A | 1801 | HIGHLAND AVE | # G | FL
10719 | 4/30/2014 | N | HAMLET PAPER COMPANY | A | 1801 | HIGHLAND AVE | # H | FL
133988 | 12/31/2013 | N | LTD ENTERPRISES DISTRIBUTIOI | A | 1801 | HIGHLAND AVE | # K | FL
11609 | 12/31/2013 | N | THERAPAK CORPORATION | A

PARCEL #3 TENANTS

ID #	***ADDRESS***	***2007 TENANT NAME***	***2013 TENANT NAME***
1	1525 Highland Ave.	Beauty Plus	MUTINY CROSSFIT
2	1715 Business Center Dr.	N/A	STUDIO LILICA
3	1725 Business Center Dr.	Element Six	COSTAL CAMPSITES
4	1735 Business Center Dr.	N/A	N/A
5	1700 Evergreen St.	Armstrong Engineering	Armstrong Engineering
6	1710 Evergreen St.	Plain Truth Ministries	Plain Truth Ministries
	1716 Evergreen St.		SPRINT TELEPHONY PCS LP
7	1720 Evergreen St.	N/A	N/A
8	1730 Evergreen St.	N/A	EAI HOLDINGS LLC
9	1740 Evergreen St.	N/A	N/A
10	1750 Evergreen St.	MPK Co. (food distributor)	MPK Co. (food distributor)
11	1760 Evergreen St.	N/A	BIOTAB NUTRACEUTICALS, INC
12	1770 Evergreen St.	Grant	Grant Products
13	1780 Evergreen St.	Power Adapter Co.	Power Adapter Co.
14	1790 Evergreen St.	N/A	N/A

Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Inquiry Number: 3599441.6
May 07, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

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

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
2012	Cole Information Services	-	X	X	-
2007	Cole Information Services	-	X	X	-
2006	Haines Company	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
2000	Haines & Company	-	X	X	-
1999	Haines Company	-	X	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
	R. L. Polk & Co.	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1966	Pacific Telephone	-	X	X	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	Luskey Brothers & Co	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
1956	General Telephone Company Publishers	-	-	-	-
1955	Home Directory Service	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Kaasen Directory Company Publishers	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Multiple Addresses
Duarte, CA 91010

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

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

BUSINESS CENTER DR

1639 BUSINESS CENTER DR

Year	Uses	Source
2006	COMTECTELINC	Haines Company

1700 BUSINESS CENTER DR

Year	Uses	Source
2012	GE AVIATION SYSTEMS	Cole Information Services
	UNITED AUTO WORKERS LOCAL	Cole Information Services
	GE AVIATION SYSTEMS LLC	Cole Information Services
2007	SMITHS AEROSPACE ACTUATION SYSTEMS	Cole Information Services
	HYDRAULIC UNITS INC	Cole Information Services
2006	AEROSPACE UNT	Haines Company
	DOWTY	Haines Company
1999	DOWTY AEROSPACE UNT	Haines Company
1995	Doxey R	Pacific Bell
	Dowty Aerospace North America	Pacific Bell
	Dowty Aerospace Los Angeles Hydraulic Units Inc	Pacific Bell
1985	HYDRAULIC UNITS INC	Pacific Bell

1715 BUSINESS CENTER DR

Year	Uses	Source
2012	STUDIO LILICA	Cole Information Services
2007	ELEGANT TRADING CO	Cole Information Services
2006	ELEGANT	Haines Company
	GARDENING	Haines Company
	DECORATION	Haines Company
1999	XXXX	Haines Company

1725 BUSINESS CENTER DR

Year	Uses	Source
2012	COASTAL COMPOSITES	Cole Information Services
	ELEMENT SIX	Cole Information Services
2007	J T BROTHERS INC	Cole Information Services

FINDINGS

Year	Uses	Source
2007	JINHOO INTERNATIONAL INC	Cole Information Services
	COASTAL COMPOSITES	Cole Information Services
	ELEMENT SIX	Cole Information Services
2006	INTERNATIONAL INC NUWAVE	Haines Company
	JINHOO	Haines Company
	INTERNATIONAL INC	Haines Company
1999	JAJATA INTERNATIONAL	Haines Company

1735 BUSINESS CENTER DR

Year	Uses	Source
2012	S V I INTERNATL INC	Cole Information Services
2007	S V I INTERNATIONAL INC	Cole Information Services
2006	S V i INTERNATL INC	Haines Company
1999	X HIGHLAND AV	Haines Company
	S V I INTERNATL INC	Haines Company

1803 BUSINESS CENTER DR

Year	Uses	Source
2012	QUALITY PRECISSION CLEANING	Cole Information Services
	JETCO	Cole Information Services
	PT COMPUTER WORK	Cole Information Services
	SARI ART & PRINTING INC	Cole Information Services
2007	JETCO	Cole Information Services
2006	PT COMPUTER	Haines Company
	JETCO 626 359 2 U	Haines Company
	SARI ART&PRINTING	Haines Company
1999	P T COMPUTER WORK SARI ART & PRINTING	Haines Company
1985	AHL TECH CONSTRUCTION	Pacific Bell
1980	BARKER METAL PRODUCTS BUSINESS CENTER DR DUARTE	Pacific Telephone

BUSINESS CENTR DR

1735 BUSINESS CENTR DR

Year	Uses	Source
1995	S V1 INTERNATI INC	Pacific Bell

FINDINGS

DATE AVE

1802 DATE AVE

Year	Uses	Source
1957	RODRIGUEZ MARTHA	Pacific Telephone

DATE ST

1801 DATE ST

Year	Uses	Source
1975	LANENGA JOHN J	Pacific Telephone

1802 DATE ST

Year	Uses	Source
1950	RODRIGUEZ HENRY R	Pacific Telephone
	RODRIGUEZ HENRY R	Pacific Telephone

1804 DATE ST

Year	Uses	Source
1975	BAKER W V	Pacific Telephone

1805 DATE ST

Year	Uses	Source
1975	SCIALDONE JOHN S	Pacific Telephone
1966	HILLEGASS J A	Pacific Telephone
1960	HADLEY ELVIRA	Pacific Telephone

1809 DATE ST

Year	Uses	Source
1975	BROWN EDWIN	Pacific Telephone
1957	HADLEY ELVIRA R	Pacific Telephone

DENNING AVE

1503 DENNING AVE

Year	Uses	Source
1960	BANKS ROY C	Pacific Telephone
1957	BANKS ROY C	Pacific Telephone

1509 DENNING AVE

Year	Uses	Source
1960	RODRIGUEZ PABLO T	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	FENTON HARRY M JR R	Pacific Telephone

1515 DENNING AVE

Year	Uses	Source
1960	BAKER ROSE M	Pacific Telephone
1957	BAKER ROSE M	Pacific Telephone

1518 DENNING AVE

Year	Uses	Source
1960	HOLLAND EDWIN	Pacific Telephone
1957	LOEFFEL PAUL	Pacific Telephone

1521 DENNING AVE

Year	Uses	Source
1960	ALLEN ROBT W	Pacific Telephone
1957	ALLEN ROBT W	Pacific Telephone
	KNIGHT ROSCOE C MRS	Pacific Telephone

1524 DENNING AVE

Year	Uses	Source
1960	LOEFFEL PAUL	Pacific Telephone

1527 DENNING AVE

Year	Uses	Source
1957	BRISCH WALTER F	Pacific Telephone

1539 DENNING AVE

Year	Uses	Source
2006	BALLINL	Haines Company
1999	SERRANO Gaberial	Haines Company
1995	I Serrano Gabriel	Pacific Bell
1960	GONZALES PATRICIA	Pacific Telephone
1957	COXON BRUCE G	Pacific Telephone

1540 DENNING AVE

Year	Uses	Source
1957	BOULDEN JAS R	Pacific Telephone

1602 DENNING AVE

Year	Uses	Source
1975	HALL MICHAEL	Pacific Telephone

FINDINGS

1603 DENNING AVE

Year	Uses	Source
2006	AVISO Oscar	Haines Company
1960	BOTHE BILL A	Pacific Telephone
1957	BOTHE BILL A	Pacific Telephone

1609 DENNING AVE

Year	Uses	Source
2006	o VILLALOBOS Marlin	Haines Company
1966	HARRIS LEE W	Pacific Telephone
1957	HARRIS LEE W	Pacific Telephone

1615 DENNING AVE

Year	Uses	Source
2006	PAJARILLAGA	Haines Company
	Angelito	Haines Company
1985	FOLSOM WESLEY	Pacific Bell
1980	CLAYS RANDY W DENNING AVE DUARTE	Pacific Telephone
1975	CLAYS RANDY W	Pacific Telephone

DUARTE RD

1576 DUARTE RD

Year	Uses	Source
1950	MACPHERSON F H MRS R	Pacific Telephone
	MACPHERSON F H MRS R	Pacific Telephone

1601 DUARTE RD

Year	Uses	Source
1950	YEARY DON E R	Pacific Telephone
	YEARY DON E R	Pacific Telephone

1604 DUARTE RD

Year	Uses	Source
1950	HICKERSON GEO R R	Pacific Telephone
	HICKERSON GEO R R	Pacific Telephone

1610 DUARTE RD

Year	Uses	Source
1950	MCDONALD DEAN JR R	Pacific Telephone
	MCDONALD DEAN JR R	Pacific Telephone

FINDINGS

E DUARTE RD

1600 E DUARTE RD

Year	*Uses*	*Source*
1995	Medicine Shoppe The	Pacific Bell

EVERGREEN

1708 EVERGREEN

Year	*Uses*	*Source*
2001	BASSEYWilson	Haines & Company, Inc.

1709 EVERGREEN

Year	*Uses*	*Source*
2001	PARTIDA Leslie	Haines & Company, Inc.

1710 EVERGREEN

Year	*Uses*	*Source*
2001	G 18 BSRuger	Haines & Company, Inc.

1711 EVERGREEN

Year	*Uses*	*Source*
2001	HAZARDMichael	Haines & Company, Inc.

1714 EVERGREEN

Year	*Uses*	*Source*
2001	VIGILEleanor	Haines & Company, Inc.

1715 EVERGREEN

Year	*Uses*	*Source*
2001	FRODINGWaldos	Haines & Company, Inc.

1718 EVERGREEN

Year	*Uses*	*Source*
2001	WEBER RM	Haines & Company, Inc.

1719 EVERGREEN

Year	*Uses*	*Source*
2001	TRANHong 00 C	Haines & Company, Inc.

FINDINGS

1722 EVERGREEN

Year	Uses	Source
2001	AYUSOLawrence	Haines & Company, Inc.

1723 EVERGREEN

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1726 EVERGREEN

Year	Uses	Source
2001	SCHILLING Mernll W	Haines & Company, Inc.

1727 EVERGREEN

Year	Uses	Source
2001	MCKAYAlan 00 C	Haines & Company, Inc.

1731 EVERGREEN

Year	Uses	Source
2001	SHATTUCKShawna	Haines & Company, Inc.
	YOUNGBLOOD Dauid L	Haines & Company, Inc.

1734 EVERGREEN

Year	Uses	Source
2001	SCORTEZRene 00 O	Haines & Company, Inc.

1735 EVERGREEN

Year	Uses	Source
2001	OBOOTE Robert	Haines & Company, Inc.

1738 EVERGREEN

Year	Uses	Source
2001	OMORELGail	Haines & Company, Inc.

1742 EVERGREEN

Year	Uses	Source
2001	HALAMICEKCAJr	Haines & Company, Inc.

1743 EVERGREEN

Year	Uses	Source
2001	DAVIESBlair	Haines & Company, Inc.

FINDINGS

1746 EVERGREEN

Year	Uses	Source
2001	BROOKSBrent	Haines & Company, Inc.

1747 EVERGREEN

Year	Uses	Source
2001	ORUIZ Gabriel	Haines & Company, Inc.

1750 EVERGREEN

Year	Uses	Source
2001	OROMERO Ennque	Haines & Company, Inc.

1751 EVERGREEN

Year	Uses	Source
2001	PIERSCH Miriam	Haines & Company, Inc.
	X JEFFRIES AV	Haines & Company, Inc.

1800 EVERGREEN

Year	Uses	Source
2001	LEEChong	Haines & Company, Inc.
	LEEChong	Haines & Company, Inc.

1804 EVERGREEN

Year	Uses	Source
2001	0 SHRODEBlake	Haines & Company, Inc.

1805 EVERGREEN

Year	Uses	Source
2001	DIXON Robert	Haines & Company, Inc.
	MATOSICTodd B	Haines & Company, Inc.
	REINARTPele	Haines & Company, Inc.

1808 EVERGREEN

Year	Uses	Source
2001	HOFAWGERJames	Haines & Company, Inc.

1809 EVERGREEN

Year	Uses	Source
2001	SWEETJune	Haines & Company, Inc.

FINDINGS

1812 EVERGREEN

Year	Uses	Source
2001	MARROQUIN Moises	Haines & Company, Inc.
	EVERGREEN 91505 CONT	Haines & Company, Inc.

1813 EVERGREEN

Year	Uses	Source
2001	BRUNOJohn	Haines & Company, Inc.

1816 EVERGREEN

Year	Uses	Source
2001	ISAGOAndrew	Haines & Company, Inc.

1817 EVERGREEN

Year	Uses	Source
2001	SYKESKnoyme	Haines & Company, Inc.
	KINGRodney	Haines & Company, Inc.

1820 EVERGREEN

Year	Uses	Source
2001	STEADMANCL	Haines & Company, Inc.

1821 EVERGREEN

Year	Uses	Source
2001	REELSEarl	Haines & Company, Inc.

1824 EVERGREEN

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1825 EVERGREEN

Year	Uses	Source
2001	KRUSE Maria	Haines & Company, Inc.
	CROWELLMichael	Haines & Company, Inc.

1830 EVERGREEN

Year	Uses	Source
2001	SHUMAKER E Eugene	Haines & Company, Inc.

1831 EVERGREEN

Year	Uses	Source
2001	OMEDINAPedro	Haines & Company, Inc.

FINDINGS

1832 EVERGREEN

Year	*Uses*	*Source*
2001	CAMPBELLEBlly	Haines & Company, Inc.

1833 EVERGREEN

Year	*Uses*	*Source*
2001	KINGGarry	Haines & Company, Inc.

1836 EVERGREEN

Year	*Uses*	*Source*
2001	CARTER Elaine	Haines & Company, Inc.

1837 EVERGREEN

Year	*Uses*	*Source*
2001	SOGHOMONIANEdward	Haines & Company, Inc.

1841 EVERGREEN

Year	*Uses*	*Source*
2001	COSTANicolas	Haines & Company, Inc.

1844 EVERGREEN

Year	*Uses*	*Source*
2001	KLAWITTERMichael	Haines & Company, Inc.

1845 EVERGREEN

Year	*Uses*	*Source*
2001	BRAHMS Louis	Haines & Company, Inc.

1850 EVERGREEN

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.

EVERGREEN CIR

1722 EVERGREEN CIR

Year	*Uses*	*Source*
1985	Ayuso Lawrence	Pacific Bell

1742 EVERGREEN CIR

Year	*Uses*	*Source*
1995	Halamicek CAJr	Pacific Bell

FINDINGS

1746 EVERGREEN CIR

Year	Uses	Source
1991	Skaggs Roy L	Pacific Bell
	Skahan N	Pacific Bell

1747 EVERGREEN CIR

Year	Uses	Source
1995	Ruiz G	Pacific Bell

1801 EVERGREEN CIR

Year	Uses	Source
1985	Seay D F	Pacific Bell

1832 EVERGREEN CIR

Year	Uses	Source
1991	Giamalva Joe	Pacific Bell

1844 EVERGREEN CIR

Year	Uses	Source
1995	Klawitter B	Pacific Bell

EVERGREEN ST

1700 EVERGREEN ST

Year	Uses	Source
2012	ARMSTRONG ENGINEERING	Cole Information Services
2007	ARMSTRONG ENGINEERING INC	Cole Information Services

1710 EVERGREEN ST

Year	Uses	Source
2007	PLAIN TRUTH MINISTRIES WORLDWIDE	Cole Information Services
2006	FILTRATION	Haines Company
	CONSTRUCTION INC ISLANDAIR	Haines Company
	FIBRWRAP	Haines Company

1720 EVERGREEN ST

Year	Uses	Source
2007	FORTUNE PACIFIC INTERNATIONAL CO	Cole Information Services
2006	INTL CO	Haines Company
	FORTUNE PACIFIC	Haines Company

FINDINGS

1730 EVERGREEN ST

Year	Uses	Source
2012	MICHAEL MEYERS INSURANCE SERVICES	Cole Information Services
2007	GLUE CRAFT INC	Cole Information Services
	AMERICAN ADHESIVES	Cole Information Services
2006	AMERADHESIVES	Haines Company

1740 EVERGREEN ST

Year	Uses	Source
2006	BFCFORMS	Haines Company
	SERVICE	Haines Company
	INCORPORATED	Haines Company

1750 EVERGREEN ST

Year	Uses	Source
2012	MPK FOODS	Cole Information Services

1760 EVERGREEN ST

Year	Uses	Source
2007	Q SAFETY INC	Cole Information Services
	Q INTEGRITY	Cole Information Services

1770 EVERGREEN ST

Year	Uses	Source
2012	GRANT PRODUCTS	Cole Information Services
2007	LIFESTYLE EXPONENTS USA INC	Cole Information Services

1780 EVERGREEN ST

Year	Uses	Source
2012	SUNBEST TRANSPACIFIC	Cole Information Services
	POWER ADAPTER DEPOT INC	Cole Information Services
2007	POWER ADAPTER DEPOT	Cole Information Services
	HOME PAN DEVELOPMENT INC	Cole Information Services
	SUNBEST TRANSPACIFIC	Cole Information Services
2006	TRANSPACIFIC	Haines Company
	DEPOTINC SUNBEST	Haines Company
	POWERADAPTER	Haines Company

1804 EVERGREEN ST

Year	Uses	Source
2006	TEAMTOO	Haines Company

FINDINGS

1808 EVERGREEN ST

Year	Uses	Source
2006	CONSTRUCTION CO	Haines Company
	HANAN	Haines Company

1816 EVERGREEN ST

Year	Uses	Source
2006	STARKTUNING	Haines Company

1824 EVERGREEN ST

Year	Uses	Source
2006	MARKENRICH	Haines Company
	CORPORATION	Haines Company

1836 EVERGREEN ST

Year	Uses	Source
2006	APEXIMAGING	Haines Company

1840 EVERGREEN ST

Year	Uses	Source
2006	NOTO PRODUCTION	Haines Company

1844 EVERGREEN ST

Year	Uses	Source
2006	ORTEK	Haines Company
	ORTHODONTIC LAB	Haines Company

1848 EVERGREEN ST

Year	Uses	Source
2006	CONNECTN	Haines Company
	COMM CONN	Haines Company

1850 EVERGREEN ST

Year	Uses	Source
2006	SERAPLEX	Haines Company
	INCORPORATED	Haines Company

1858 EVERGREEN ST

Year	Uses	Source
2006	APPLE GRAPHICS	Haines Company

FINDINGS

1860 EVERGREEN ST

Year	Uses	Source
2006	FEDERICOS	Haines Company
	BAKERY	Haines Company

EVERGREEN ST N

1708 EVERGREEN ST N

Year	Uses	Source
1970	RANDELL GEO E	R. L. Polk & Co.

1709 EVERGREEN ST N

Year	Uses	Source
1970	SANDIFER TIMOTHY A	R. L. Polk & Co.

1710 EVERGREEN ST N

Year	Uses	Source
1970	ELLIS ELDON F	R. L. Polk & Co.

1711 EVERGREEN ST N

Year	Uses	Source
1970	BROWNE BARBARA MRS	R. L. Polk & Co.

1714 EVERGREEN ST N

Year	Uses	Source
1970	RENZ FREDK E	R. L. Polk & Co.

1715 EVERGREEN ST N

Year	Uses	Source
1970	FRODING WALDON S	R. L. Polk & Co.

1718 EVERGREEN ST N

Year	Uses	Source
1970	WEBER RALPH M	R. L. Polk & Co.

1719 EVERGREEN ST N

Year	Uses	Source
1970	NO RETURN	R. L. Polk & Co.

1722 EVERGREEN ST N

Year	Uses	Source
1970	AYUSO LAWRENCE	R. L. Polk & Co.

FINDINGS

1723 EVERGREEN ST N

Year	Uses	Source
1970	GAFFNEY ROBT	R. L. Polk & Co.

1726 EVERGREEN ST N

Year	Uses	Source
1970	SCHILLING MERRILL W	R. L. Polk & Co.

1727 EVERGREEN ST N

Year	Uses	Source
1970	STOCKS HARRY R	R. L. Polk & Co.

1730 EVERGREEN ST N

Year	Uses	Source
1970	DUNHAM ROSS S	R. L. Polk & Co.

1731 EVERGREEN ST N

Year	Uses	Source
1970	CARTER DONALD G	R. L. Polk & Co.

1734 EVERGREEN ST N

Year	Uses	Source
1970	MATTHEWS MARTIN J	R. L. Polk & Co.

1735 EVERGREEN ST N

Year	Uses	Source
1970	CARISTI STEVE	R. L. Polk & Co.

1738 EVERGREEN ST N

Year	Uses	Source
1970	HARDY GEO A	R. L. Polk & Co.

1739 EVERGREEN ST N

Year	Uses	Source
1970	SALEEN DOUGLAS	R. L. Polk & Co.

1742 EVERGREEN ST N

Year	Uses	Source
1970	HALAMICEK C A	R. L. Polk & Co.

1743 EVERGREEN ST N

Year	Uses	Source
1970	SHEFFER RUTH MRS	R. L. Polk & Co.

FINDINGS

1746 EVERGREEN ST N

Year	Uses	Source
1970	SKAGGS ROY L	R. L. Polk & Co.

1747 EVERGREEN ST N

Year	Uses	Source
1970	LANGLOIS EDW F	R. L. Polk & Co.

1750 EVERGREEN ST N

Year	Uses	Source
1970	VALERI CARL	R. L. Polk & Co.

1751 EVERGREEN ST N

Year	Uses	Source
1970	PIERSCH RAYMOND W	R. L. Polk & Co.

1800 EVERGREEN ST N

Year	Uses	Source
1970	COSTELLO ROBT J	R. L. Polk & Co.

1801 EVERGREEN ST N

Year	Uses	Source
1970	SEAY REX L	R. L. Polk & Co.

1804 EVERGREEN ST N

Year	Uses	Source
1970	MORTLOCK J EDW	R. L. Polk & Co.

1805 EVERGREEN ST N

Year	Uses	Source
1970	COX PRESTON C	R. L. Polk & Co.

1808 EVERGREEN ST N

Year	Uses	Source
1970	GRIZEL LEO F	R. L. Polk & Co.

1809 EVERGREEN ST N

Year	Uses	Source
1970	SWEET PAUL H	R. L. Polk & Co.

1813 EVERGREEN ST N

Year	Uses	Source
1970	REINEKING WILLARD H	R. L. Polk & Co.

FINDINGS

1816 EVERGREEN ST N

Year	*Uses*	*Source*
1970	FRANCE KEITH D	R. L. Polk & Co.

1817 EVERGREEN ST N

Year	*Uses*	*Source*
1970	BENCE DOROTHY L MRS	R. L. Polk & Co.

1820 EVERGREEN ST N

Year	*Uses*	*Source*
1970	STEADMAN CARL L	R. L. Polk & Co.

1821 EVERGREEN ST N

Year	*Uses*	*Source*
1970	REELFS EARL L	R. L. Polk & Co.

1824 EVERGREEN ST N

Year	*Uses*	*Source*
1970	HOUGHTON GERALD	R. L. Polk & Co.

1825 EVERGREEN ST N

Year	*Uses*	*Source*
1970	JOHNSON JOHN M	R. L. Polk & Co.

1830 EVERGREEN ST N

Year	*Uses*	*Source*
1970	SHUMAKER EMIL E	R. L. Polk & Co.

1831 EVERGREEN ST N

Year	*Uses*	*Source*
1970	VACANT	R. L. Polk & Co.

1832 EVERGREEN ST N

Year	*Uses*	*Source*
1970	PROVENCE RICHD H	R. L. Polk & Co.

1833 EVERGREEN ST N

Year	*Uses*	*Source*
1970	DE VITALE JOSEPH B	R. L. Polk & Co.

1836 EVERGREEN ST N

Year	*Uses*	*Source*
1970	BENEDETTI RICK	R. L. Polk & Co.

FINDINGS

1837 EVERGREEN ST N

Year	Uses	Source
1970	MORGAN WM JR	R. L. Polk & Co.

1840 EVERGREEN ST N

Year	Uses	Source
1970	BENTON JACK D	R. L. Polk & Co.

1841 EVERGREEN ST N

Year	Uses	Source
1970	COURON NORTON D	R. L. Polk & Co.

1844 EVERGREEN ST N

Year	Uses	Source
1970	ZAPPIA MARCO N	R. L. Polk & Co.

1845 EVERGREEN ST N

Year	Uses	Source
1970	HARRIS JACK	R. L. Polk & Co.

GLENFORD AVE

1502 GLENFORD AVE

Year	Uses	Source
1960	KELLY ROBT E	Pacific Telephone
1957	KELLY ROBT E	Pacific Telephone

1503 GLENFORD AVE

Year	Uses	Source
1960	HOLLAND WM E	Pacific Telephone

1508 GLENFORD AVE

Year	Uses	Source
1960	CARMONA EUGENIO DUARTE	Pacific Telephone
1957	CARMONA EUGENIO	Pacific Telephone

1509 GLENFORD AVE

Year	Uses	Source
1957	SCHIPPER WM	Pacific Telephone

FINDINGS

1514 GLENFORD AVE

Year	Uses	Source
1960	BARTKOWSKI EDWIN	Pacific Telephone

1515 GLENFORD AVE

Year	Uses	Source
1957	ANDERSON OMER H JR	Pacific Telephone

1520 GLENFORD AVE

Year	Uses	Source
1960	ROBISON STEVEN	Pacific Telephone

1527 GLENFORD AVE

Year	Uses	Source
1960	HOLMBERG R K	Pacific Telephone
1957	HOLMBERG R K R	Pacific Telephone
1950	HOLMBERG R K R DURATE	Pacific Telephone
	HOLMBERG R K R DURATE	Pacific Telephone

1532 GLENFORD AVE

Year	Uses	Source
1960	CASKEY H T	Pacific Telephone
1957	CASKEY H T	Pacific Telephone

1533 GLENFORD AVE

Year	Uses	Source
1957	STEWART GLORIA	Pacific Telephone

1538 GLENFORD AVE

Year	Uses	Source
1960	MARVIN CHAS L	Pacific Telephone
1957	MARVIN CHAS L	Pacific Telephone

1539 GLENFORD AVE

Year	Uses	Source
1966	FRISBIE RAYMOND H	Pacific Telephone

1602 GLENFORD AVE

Year	Uses	Source
2006	TANGONAN Carolina	Haines Company
1999	XXXX	Haines Company
1966	SCHADT THELMA M	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	SCHADT THELMA M	Pacific Telephone
1957	SCHADT THELMA M	Pacific Telephone

1603 GLENFORD AVE

Year	Uses	Source
2006	ANDRADEElena	Haines Company
1999	MEYER Debra J	Haines Company
	HARMS Ted	Haines Company
	HARMS Lora	Haines Company
1995	S Harms Ted& Lora	Pacific Bell
1985	MEYER DEBRA	Pacific Bell
1980	MEYER DEBRA GLENFORD AVE DUARTE	Pacific Telephone
1966	URBAN JOHN J	Pacific Telephone
1960	URBAN JOHN J	Pacific Telephone
1957	URBAN JOHN J	Pacific Telephone

1608 GLENFORD AVE

Year	Uses	Source
2006	OSSORIOSantos	Haines Company
1999	OSSORIO Oscar	Haines Company
1966	WARD JOYCE	Pacific Telephone

1609 GLENFORD AVE

Year	Uses	Source
2006	JAMES Jacqueline	Haines Company
1999	XXXX	Haines Company
1995	OLMOS SANTOS	Pacific Bell
	Olmos Santos	Pacific Bell
1980	SUTTON JAS R GLENFORD AVE DUARTE	Pacific Telephone
1966	SUTTON JAS R	Pacific Telephone
1960	WILLIAMS LORENCE R	Pacific Telephone
1957	WILLIAMS LORENCE R	Pacific Telephone

1614 GLENFORD AVE

Year	Uses	Source
2006	a ROMERO Gilbert	Haines Company
1985	ROMERO GILBERT & PAM	Pacific Bell
1980	ROMERO GILBERT & PAM GLENFORD AVE DUARTE	Pacific Telephone

Year	Uses	Source
1975	WHITTIEREHALL PAULA	Pacific Telephone
1966	QUICK A J	Pacific Telephone
1960	QUICK A J	Pacific Telephone
1957	ACKERMAN E G	Pacific Telephone

1615 GLENFORD AVE

Year	Uses	Source
2006	ALCARAZJuan	Haines Company
1985	CLAUDIO JUAN	Pacific Bell
1980	CLAUDIO JUAN GLENFORD AVE DUARTE	Pacific Telephone
1960	SHERMAN JACK T	Pacific Telephone
1957	SHERMAN JACK T	Pacific Telephone

GLENFORD ST

1603 GLENFORD ST

Year	Uses	Source
1995	HARMS TED& LORA	Pacific Bell

HIGHLAND

1800 HIGHLAND

Year	Uses	Source
1971	Facsimile Transmission Network Inc	Pacific Telephone
1967	Larsen David E advg	Pacific Telephone

1825 HIGHLAND

Year	Uses	Source
1929	MARTIN Millie M adj Diamond Lndy	Los Angeles Directory Co.

HIGHLAND ALY

1800 HIGHLAND ALY

Year	Uses	Source
1975	SOMERS MICHAEL MARGOLIN SOMERS KALLEN & TREMBLATT ATTYS	Pacific Telephone

FINDINGS

HIGHLAND AVE

1544 HIGHLAND AVE

Year	Uses	Source
2012	SOUTHWEST MECHANICAL INC	Cole Information Services
2007	SERENGETTI MOTOR CAR CO	Cole Information Services

1706 HIGHLAND AVE

Year	Uses	Source
1960	BATTS PEARL	Pacific Telephone

1712 HIGHLAND AVE

Year	Uses	Source
1966	ROBERSON JOHN D	Pacific Telephone

1718 HIGHLAND AVE

Year	Uses	Source
2012	HOLMES BODY SHOP INC	Cole Information Services
2007	HOLMES BODY SHOP	Cole Information Services
2006	HOLMES BODY	Haines Company
	SHOPINC	Haines Company
1999	HOLMES BODY SHOP INC	Haines Company
1995	GOLDEN STATE HYDRAULICS INC	Pacific Bell
1985	SMITH ENGINEERING CO	Pacific Bell
	SMITH ENVIRONMENTAL	Pacific Bell
1980	SMITH ENGINEERING CO HIGHLAND AVE DUARTE	Pacific Telephone

1720 HIGHLAND AVE

Year	Uses	Source
1975	CENDEJAS BEN	Pacific Telephone

1765 HIGHLAND AVE

Year	Uses	Source
1991	Dave Dave	Pacific Bell

1766 HIGHLAND AVE

Year	Uses	Source
1924	Betty Bolton Candy Inc Fredk J Smith sec	Los Angeles Directory Co.

FINDINGS

1775 HIGHLAND AVE

Year	Uses	Source
1924	Scholl Frederic B organist h	Los Angeles Directory Co.
	School F B organist r	Los Angeles Directory Co.

1800 HIGHLAND AVE

Year	Uses	Source
2012	PACIFIC SCIENTIFIC CO	Cole Information Services
2007	PACIFIC SCIENTIFIC HTL KINTECH DIVIS	Cole Information Services
	DANAHER MOTION	Cole Information Services
2006	PAC SCIENTIFIC CO	Haines Company
1999	PAC SCIENTIFIC CO	Haines Company
	PAC SCIENTIFIC CO	Haines Company
1995	Pacific Seafood Restaurant	Pacific Bell
	Pacific Scientific Co	Pacific Bell
	PACIFIC SCIENTIFIC CO	Pacific Bell
1985	HTL ADVANCED TECHNOLOGY DIVISION	Pacific Bell
	HTL ADVANCED TECHNOLOGY DIVISION	Pacific Bell
1981	DRAPER THOS N ATTY	Pacific Telephone
	B NAI B RITH RECORD	Pacific Telephone
1980	HTL INDUSTRIES INC AIRCRFT ACCESRS HIGHLAND AVE DUARTE	Pacific Telephone
1976	Samuelson John R	Pacific Telephone
1924	Kissin Rita writer r	Los Angeles Directory Co.
	Kissin Jennie wid Elias h	Los Angeles Directory Co.

1801 HIGHLAND AVE

Year	Uses	Source
2012	JOSHUA TREE IMPORTS	Cole Information Services
	GRAND VALUE INC	Cole Information Services
	QUEST DIAGNOSTICS	Cole Information Services
	HAMLET PAPER CO	Cole Information Services
	LTD ENTERPRISES	Cole Information Services
	SAN GABRIEL INSULATION	Cole Information Services
	THERAPAK	Cole Information Services
2007	TRI STAR ELECTRONICS	Cole Information Services
	MENIE INC	Cole Information Services
	THE PEOPLE MOVERS INC	Cole Information Services

FINDINGS

Year	Uses	Source
2007	LTD ENTERPRISES	Cole Information Services
	FLOORSCAPES LTD CO	Cole Information Services
	EVERFOCUS ELECTRONICS CORP	Cole Information Services
	JOSHUA TREE IMPORTS LLC	Cole Information Services
	THERAPAK CORP	Cole Information Services
	GOODMAN MANUFATURING INC	Cole Information Services
	AMERICAN DISTRIBUTORS INC	Cole Information Services
2006	PEOPLE MOVERS	Haines Company
	INC TR 11 STAR	Haines Company
	ELECTRONICS	Haines Company
1999	AMER TAI TRADE	Haines Company
	FLOORSCAPES LTD CO 62 a	Haines Company
	GIBSON INC	Haines Company
	GIBSON INC	Haines Company
	PEOPLE MOVERS INC	Haines Company
	UNITD SUNTECH CRAFT INC	Haines Company
1995	CAL LIQUID CORP PRODUCTION FACILITY	Pacific Bell
	HOLMES BODY SHOP INC	Pacific Bell
	STK AUTO CENTER	Pacific Bell
	a	Pacific Bell
	Holmes Body Shop Inc	Pacific Bell
	People Movers Inc	Pacific Bell
1985	PIONEER ELECTRONICS TECHNOLOGY INC	Pacific Bell
	PIONEER NORTH AMERICA INC DEVELOPMENT LABORATORY	Pacific Bell
1980	PIONEER ELECTRONICS TECHNOLOGY INC HIGHLAND AVE DUARTE	Pacific Telephone
1975	RONSON PACKAGING CORP	Pacific Telephone
1924	ELLIS Geo E painter hrear	Los Angeles Directory Co.
	MORRISON John W h	Los Angeles Directory Co.

1802 HIGHLAND AVE

Year	Uses	Source
1924	BURNS Wm C h	Los Angeles Directory Co.

1803 HIGHLAND AVE

Year	Uses	Source
1942	Tinsley La Vaughn	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	La Gasse Simeon Malvina real est	Los Angeles Directory Co.
	La Gasse Francis H	Los Angeles Directory Co.

1804 HIGHLAND AVE

Year	Uses	Source
1924	CAMPBELL Bert atty r	Los Angeles Directory Co.

1806 HIGHLAND AVE

Year	Uses	Source
1924	d Auray Jacques photo player h	Los Angeles Directory Co.

1807 HIGHLAND AVE

Year	Uses	Source
1924	WEST Roland V h	Los Angeles Directory Co.

1812 HIGHLAND AVE

Year	Uses	Source
1924	Werz Ella r	Los Angeles Directory Co.
	KELLY Verna M wid J W h	Los Angeles Directory Co.
	BERNSTEIN Isadore h	Los Angeles Directory Co.

1814 HIGHLAND AVE

Year	Uses	Source
1924	Afee H C h	Los Angeles Directory Co.

1816 HIGHLAND AVE

Year	Uses	Source
1924	Wroten Herman P acct U S Fidelity & Guaranty Co h	Los Angeles Directory Co.

1822 HIGHLAND AVE

Year	Uses	Source
1976	Montgomery Juanita	Pacific Telephone
1937	Peckham Roy slsmn	Los Angeles Directory Co.

1824 HIGHLAND AVE

Year	Uses	Source
1999	XXXX	Haines Company
1933	Evans Velma M mgr Grace Arms Apts	Los Angeles Directory Co.
1924	NEWCOMB Theo A slsmn h	Los Angeles Directory Co.
	MILLER Ruby B h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Mc DONNELL Edith slswmn r	Los Angeles Directory Co.
	KANE Margt M slswmn r	Los Angeles Directory Co.
	HENDERSON Edwin A slsmn Laswell & Grigsby h	Los Angeles Directory Co.
	Grace Arms Apartments	Los Angeles Directory Co.
	De Lacy Robt L h	Los Angeles Directory Co.
	Curtis Wm S h	Los Angeles Directory Co.
	Blystone Stanley mot pict dir h	Los Angeles Directory Co.
	EVANS V M Miss h	Los Angeles Directory Co.

1825 HIGHLAND AVE

Year	Uses	Source
1924	Gardener Institute of Flesh Reducing Mrs S C Cosby mgr	Los Angeles Directory Co.
	DECKER J A waiter r	Los Angeles Directory Co.
	Monsara Corrine r	Los Angeles Directory Co.
	r	Los Angeles Directory Co.
	Cosby Julia A r	Los Angeles Directory Co.
	Mc INTOSH Julia A wid Wm r	Los Angeles Directory Co.

1826 HIGHLAND AVE

Year	Uses	Source
1942	Hillman Lillian bkpr B HP	Los Angeles Directory Co.
1924	COSBY Sadie C Mrs mgr Gardner Institute of Flesh Reducing h	Los Angeles Directory Co.
	SMITH Jenness clk r	Los Angeles Directory Co.

1828 HIGHLAND AVE

Year	Uses	Source
1924	Kinsey Dorothy M student r	Los Angeles Directory Co.
	Kinsey Adam S E mgr Metropolitan Life Ins Co h	Los Angeles Directory Co.

1838 HIGHLAND AVE

Year	Uses	Source
1924	Canann Harry L slsmn h	Los Angeles Directory Co.

1840 HIGHLAND AVE

Year	Uses	Source
1924	Engels Wm mining h	Los Angeles Directory Co.

FINDINGS

1841 HIGHLAND AVE

Year	Uses	Source
1924	Griffin Lou student r	Los Angeles Directory Co.

1847 HIGHLAND AVE

Year	Uses	Source
1924	Treherne Ernest auto mech h	Los Angeles Directory Co.

1850 HIGHLAND AVE

Year	Uses	Source
1924	Sonntag Elizabeth r	Los Angeles Directory Co.

1851 HIGHLAND AVE

Year	Uses	Source
1924	LYON Frances H wid R S h	Los Angeles Directory Co.
	HIGGINS Margt C r	Los Angeles Directory Co.

1853 HIGHLAND AVE

Year	Uses	Source
1924	CHRISTENSEN A T mgr Daynes Beebe Music Co r	Los Angeles Directory Co.

HIGHLAND AVE N

1750 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Wonder Liquor Store	Pacific Telephone & Telegraph Co.

1751 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Natl Lead Co factory stores Hollywood Branch	Pacific Telephone & Telegraph Co.
	N Highlnd Natl Lead Co Hollywd Br	Pacific Telephone & Telegraph Co.
	N Highlnd Dutch Boy Paint Stores factory stores Hollywood Branch	Pacific Telephone & Telegraph Co.

1753 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Perrys Theatrical Studios dancng	Pacific Telephone & Telegraph Co.

FINDINGS

1754 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Harrys Shell Serv	Pacific Telephone & Telegraph Co.

1755 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Airliner Cafe	Pacific Telephone & Telegraph Co.

1757 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Georges Geo & Sons antqs	Pacific Telephone & Telegraph Co.
	N Highlnd Av Georges & Sons antiqs	Pacific Telephone & Telegraph Co.

1759 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Hollywood Cosmetic Labs	Pacific Telephone & Telegraph Co.

1763 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Hollywd Print Shop	Pacific Telephone & Telegraph Co.

1765 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Marriott Beauty Salon	Pacific Telephone & Telegraph Co.

1767 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd U S Govt post office dept L A Post Office Sub Stations Station O	Pacific Telephone & Telegraph Co.

1771 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Barnaz Cleaners	Pacific Telephone & Telegraph Co.
	N Highlnd Bar Naz Clnrs	Pacific Telephone & Telegraph Co.

1773 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Stabers For Beauty	Pacific Telephone & Telegraph Co.

1775 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Bridal Lane	Pacific Telephone & Telegraph Co.
	N Highlnd Accurate Tuxedo Rentals	Pacific Telephone & Telegraph Co.

FINDINGS

1776 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Writers Round Table Inc The	Pacific Telephone & Telegraph Co.
	N Highlnd Dorothy Preble School of Charm & Modeling	Pacific Telephone & Telegraph Co.
	N Highlnd Preble Dorothy Models	Pacific Telephone & Telegraph Co.
	N Highlnd Dorothy Preble Models	Pacific Telephone & Telegraph Co.
	N Highlnd Calif Models Assn	Pacific Telephone & Telegraph Co.

1777 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd	Pacific Telephone & Telegraph Co.
	Burke Mary Mrs r	Pacific Telephone & Telegraph Co.
	Roche Saville Mrs r	Pacific Telephone & Telegraph Co.

1779 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Green Clnrs & Dyers	Pacific Telephone & Telegraph Co.
	N Highlnd Greene Clnrs & Dyers	Pacific Telephone & Telegraph Co.

1781 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Bolton Betty cafe	Pacific Telephone & Telegraph Co.

1786 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Cottage Cafe	Pacific Telephone & Telegraph Co.

1787 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Standard Stations Inc Franklin & Hghlnd Sta	Pacific Telephone & Telegraph Co.
	N Highlnd Petri Ray Auto Serv	Pacific Telephone & Telegraph Co.

1800 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Earle Adams hair salon	Pacific Telephone & Telegraph Co.
	N Highlnd Adams Earle hair salon	Pacific Telephone & Telegraph Co.

1802 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Mellor Wendell J MD	Pacific Telephone & Telegraph Co.

FINDINGS

1803 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Richards Ruby J r	Pacific Telephone & Telegraph Co.
	N Highlnd Talman Harold L r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Hachtel Ardeth J r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Foco Joann r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Buczek Marie E r	Pacific Telephone & Telegraph Co.
	N Highlnd Av ORear Edw P Rev r	Pacific Telephone & Telegraph Co.

1804 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Velez P J Co exprtrs	Pacific Telephone & Telegraph Co.
	N Highlnd Hollywd Creations exprtrs	Pacific Telephone & Telegraph Co.

1805 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Rogalla Elfryde r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Merrick Jay I r	Pacific Telephone & Telegraph Co.
	N Highlnd Herman E Frances r	Pacific Telephone & Telegraph Co.

1806 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Grant Jas A Jr r	Pacific Telephone & Telegraph Co.

1807 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Kidd Blanche Mrs r	Pacific Telephone & Telegraph Co.
	N Highlnd Compish Elsie Mrs r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Bower Gerald G r	Pacific Telephone & Telegraph Co.

1809 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Townsend Ralph C	Pacific Telephone & Telegraph Co.
	N Highlnd Av Crandall Bill	Pacific Telephone & Telegraph Co.

1810 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Goldstein Irving B r	Pacific Telephone & Telegraph Co.

1812 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Neely Suzanne S r	Pacific Telephone & Telegraph Co.

Year	Uses	Source
1951	N Highlnd Av Jerow Lilian S r	Pacific Telephone & Telegraph Co.

1814 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Goldstein Joe r	Pacific Telephone & Telegraph Co.

1816 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Frith Films	Pacific Telephone & Telegraph Co.

1817 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Richfield Serv Stns	Pacific Telephone & Telegraph Co.

1818 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Dolin Robt & Associates private invstgtrs	Pacific Telephone & Telegraph Co.

1822 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Felsette Jenny r	Pacific Telephone & Telegraph Co.

1824 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd	Pacific Telephone & Telegraph Co.
	Bystrom Vivian	Pacific Telephone & Telegraph Co.
	Wayne Lena E Mrs r	Pacific Telephone & Telegraph Co.
	Hein Myrtle C r	Pacific Telephone & Telegraph Co.
	Holt Jean R r	Pacific Telephone & Telegraph Co.
	Boggio Maddalena M r	Pacific Telephone & Telegraph Co.
	Bailey Wm A r	Pacific Telephone & Telegraph Co.

1828 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Forrest David R r	Pacific Telephone & Telegraph Co.
	N Highlnd Radio City Clnrs & Dyers	Pacific Telephone & Telegraph Co.

1840 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd General Petroleum Corp Highlnd & Frankln	Pacific Telephone & Telegraph Co.

FINDINGS

1841 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Nichols T P Auto Rentals of Hollywd	Pacific Telephone & Telegraph Co.
	N Highlnd Av Russell A N Union Oil Dlr	Pacific Telephone & Telegraph Co.
	N Highlnd Call A Car System auto rentls	Pacific Telephone & Telegraph Co.
	N Highlnd Auto Rentals of Hollywd	Pacific Telephone & Telegraph Co.
	N Highlnd Ace Auto Rentals	Pacific Telephone & Telegraph Co.

1851 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Gross Wm F r	Pacific Telephone & Telegraph Co.

1853 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Atkinson Betty r	Pacific Telephone & Telegraph Co.

1857 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Rowekamp F A r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Homan Cuthbert r	Pacific Telephone & Telegraph Co.
	N Highlnd Bibeau Raymond Geo r	Pacific Telephone & Telegraph Co.
	N Highlnd Case Kathleen r	Pacific Telephone & Telegraph Co.

1861 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Gross Frances Ward Mrs r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Kunkle Roy N r	Pacific Telephone & Telegraph Co.
	N Highlnd Av Bacon J Smith r	Pacific Telephone & Telegraph Co.

1863 HIGHLAND AVE N

Year	Uses	Source
1951	N Highlnd Av Lelean Vera r	Pacific Telephone & Telegraph Co.

1880 HIGHLAND AVE N

Year	Uses	Source
2000	WEALTH CODE	Haines & Company

FINDINGS

HIGHLAND AVE S

1750 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Wotell M G r	Pacific Telephone & Telegraph Co.

1751 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Av Shapiro Louis r	Pacific Telephone & Telegraph Co.

1753 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Brentnall Robt L r	Pacific Telephone & Telegraph Co.

1754 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Av Chanon Maurice L r	Pacific Telephone & Telegraph Co.

1755 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Silverberg David r	Pacific Telephone & Telegraph Co.

1756 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Av Orisman I r	Pacific Telephone & Telegraph Co.

1757 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Perry Sidney M r	Pacific Telephone & Telegraph Co.

1759 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Stulberg Lillian r	Pacific Telephone & Telegraph Co.

1760 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Monahan Theresa r	Pacific Telephone & Telegraph Co.

1765 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Av Shelley Richard J r	Pacific Telephone & Telegraph Co.

FINDINGS

1800 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Marcus Thea Mrs r	Pacific Telephone & Telegraph Co.

1801 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Av Soifer Morris r	Pacific Telephone & Telegraph Co.
	S Highlnd Av Feinstein Shirley	Pacific Telephone & Telegraph Co.

1803 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Av Jacobs Jack r	Pacific Telephone & Telegraph Co.
	S Highlnd Av Haber Isadore r	Pacific Telephone & Telegraph Co.

1806 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Rodgers Geo A r	Pacific Telephone & Telegraph Co.

1807 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Meyers Ann r	Pacific Telephone & Telegraph Co.

1808 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Wilber Chas r	Pacific Telephone & Telegraph Co.

1810 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Viney Bettina r	Pacific Telephone & Telegraph Co.

1811 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Olsen Ole P r	Pacific Telephone & Telegraph Co.

1813 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Konitz Anna r	Pacific Telephone & Telegraph Co.

1816 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Tallian Gene J r	Pacific Telephone & Telegraph Co.
	S Highlnd Small Frank C r	Pacific Telephone & Telegraph Co.

FINDINGS

1817 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Heaney Frank r	Pacific Telephone & Telegraph Co.

1818 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Morgan Vera O Mrs r	Pacific Telephone & Telegraph Co.

1819 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Av Candreva Leonard r	Pacific Telephone & Telegraph Co.
	S Highlnd Stinson Margaret r	Pacific Telephone & Telegraph Co.

1820 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Kapelson Sam E r	Pacific Telephone & Telegraph Co.
	S Highlnd Caldwell Ora r	Pacific Telephone & Telegraph Co.

1821 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Erskine Richard W r	Pacific Telephone & Telegraph Co.
	S Highlnd Gillespie John K r	Pacific Telephone & Telegraph Co.

1822 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Ray Olga r	Pacific Telephone & Telegraph Co.

1823 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Erskine Melville C Mrs r	Pacific Telephone & Telegraph Co.

1824 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Holzman Jos r	Pacific Telephone & Telegraph Co.
	S Highlnd	Pacific Telephone & Telegraph Co.
	Poulson Joanna Mrs r	Pacific Telephone & Telegraph Co.

1825 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Av Aron David r	Pacific Telephone & Telegraph Co.
	S Highlnd Ringo Geo D r	Pacific Telephone & Telegraph Co.

FINDINGS

1826 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Watterson Herbert G r	Pacific Telephone & Telegraph Co.
	S Highlnd Hillman Lillian r	Pacific Telephone & Telegraph Co.

1827 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Av Sleiter Alice r	Pacific Telephone & Telegraph Co.
	S Highlnd Elliott Ella Anne r	Pacific Telephone & Telegraph Co.

1829 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Cohen Henry S r	Pacific Telephone & Telegraph Co.

1833 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Bonness Nicholas M r	Pacific Telephone & Telegraph Co.
	S Highlnd Ferguson Vera M r	Pacific Telephone & Telegraph Co.

1835 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Cotten Willis S Mrs r	Pacific Telephone & Telegraph Co.
	S Highlnd McDonald Jack r	Pacific Telephone & Telegraph Co.

1837 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Terry Norman I r	Pacific Telephone & Telegraph Co.

1838 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Noe L E r	Pacific Telephone & Telegraph Co.

1839 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Stern H r	Pacific Telephone & Telegraph Co.
	S Highlnd Av Ramsey Allan W r	Pacific Telephone & Telegraph Co.

1842 HIGHLAND AVE S

Year	Uses	Source
1951	S Highlnd Dorski Jos r	Pacific Telephone & Telegraph Co.

FINDINGS

1843 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Ferrante A P r	Pacific Telephone & Telegraph Co.

1846 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Brady Chas E r	Pacific Telephone & Telegraph Co.

1847 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Jablon Jacob r	Pacific Telephone & Telegraph Co.

1848 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Clairemont Leo r	Pacific Telephone & Telegraph Co.

1849 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Av Posner Sam Mrs r	Pacific Telephone & Telegraph Co.

1851 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Jones Sallie Y Mrs r	Pacific Telephone & Telegraph Co.

1853 HIGHLAND AVE S

Year	*Uses*	*Source*
1951	S Highlnd Want C H r	Pacific Telephone & Telegraph Co.

1860 HIGHLAND AVE S

Year	*Uses*	*Source*
2000	WEALTH CODE	Haines & Company

HIGHLAND DR

1800 HIGHLAND DR

Year	*Uses*	*Source*
1970	PETERSON DANOLD A TERMTE CONTRL	Pacific Telephone
	PETERSON DANOLD A TERMTE CONTRL	Pacific Telephone

FINDINGS

S DENNING AVE

1533 S DENNING AVE

Year	Uses	Source
1960	BOWSER CONRAD	Pacific Telephone
1957	BOWSER CONRAD	Pacific Telephone

W DUARTE RD

1550 W DUARTE RD

Year	Uses	Source
1995	Moorhead Robt &teri eov	Pacific Bell
	Moorhead Geo H Jr	Pacific Bell

1611 W DUARTE RD

Year	Uses	Source
1975	LIEBERG LESLIE	Pacific Telephone

1646 W DUARTE RD

Year	Uses	Source
1966	TINTINGER CHAS	Pacific Telephone

W HIGHLAND AVE

1800 W HIGHLAND AVE

Year	Uses	Source
1966	WARNE W D	Pacific Telephone

1841 W HIGHLAND AVE

Year	Uses	Source
1966	SHAFFNER GARLAND B	Pacific Telephone

1860 W HIGHLAND AVE

Year	Uses	Source
1985	MASON JANINE	Pacific Bell
1966	MASON HELEN	Pacific Telephone
	MASON GUY T	Pacific Telephone

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
Multiple Addresses	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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
1502 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1503 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1503 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1508 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1509 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1509 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1514 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1515 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1515 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1518 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1520 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1521 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1524 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1527 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1527 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1532 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1533 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1533 S DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1538 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1539 DENNING AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1539 GLENFORD AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1540 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1544 HIGHLAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1550 W DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1576 DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1600 E DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1601 DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1602 DENNING AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1602 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1603 DENNING AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1603 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1603 GLENFORD ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1604 DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1608 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1609 DENNING AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1609 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1610 DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1611 W DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1614 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1615 DENNING AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1615 GLENFORD AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1639 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1646 W DUARTE RD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1700 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1700 BUSINESS CENTER DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1700 EVERGREEN ST	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1706 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1708 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1708 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1709 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1709 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1710 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 EVERGREEN ST	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1711 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1711 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1712 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1714 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1714 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1715 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1715 BUSINESS CENTER DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1715 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1715 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1718 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1718 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1718 HIGHLAND AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1718 HIGHLAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1719 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1719 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 EVERGREEN ST	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1722 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1722 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1722 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1723 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1723 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 BUSINESS CENTER DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1726 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1726 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1727 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1727 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1730 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1730 EVERGREEN ST	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1730 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1731 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1731 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1734 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1734 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 BUSINESS CENTER DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 BUSINESS CENTR DR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1735 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1738 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1738 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1739 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1740 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1742 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1742 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1742 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1743 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1743 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1746 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1746 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1746 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1747 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1747 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1747 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1750 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1750 EVERGREEN ST	2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1750 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1750 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1750 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1751 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1751 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1751 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1751 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1753 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1753 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1754 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1754 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1755 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1755 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1756 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1757 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1757 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1759 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1759 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1760 EVERGREEN ST	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1760 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1763 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1765 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1765 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1765 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1766 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1767 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1770 EVERGREEN ST	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1771 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1773 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1844 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1844 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1845 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1845 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1846 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1847 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1847 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1848 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1848 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1849 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1850 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1850 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1850 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1851 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1851 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1851 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1853 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1853 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1853 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1857 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1858 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1860 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1860 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1860 W HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1861 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1863 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1880 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1775 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1775 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1776 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1777 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1779 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1780 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1780 EVERGREEN ST	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1781 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1786 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1787 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND ALY	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1800 HIGHLAND AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1800 HIGHLAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND DR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 W HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1801 DATE ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1801 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1801 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1801 HIGHLAND AVE	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1801 HIGHLAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1801 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1802 DATE AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1802 DATE ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1802 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1802 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 BUSINESS CENTER DR	2012, 2007, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 BUSINESS CENTER DR	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 DATE ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1804 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1804 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1805 DATE ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1805 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1805 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1805 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1806 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1806 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1806 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1807 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1807 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1807 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1808 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1808 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1808 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1808 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1809 DATE ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1809 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1809 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1809 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1810 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1810 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1811 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1812 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1812 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1812 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1814 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1814 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1816 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1816 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1816 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1816 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1816 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1816 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1818 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1818 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1819 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1820 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1820 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1820 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1821 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1821 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1821 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1822 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1822 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1822 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1823 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1824 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1825 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1825 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1825 HIGHLAND	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1825 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1825 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1826 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1826 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1827 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1828 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1828 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1829 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1830 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1830 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1831 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1831 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1832 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1832 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1832 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1833 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1833 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1833 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1835 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1836 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1836 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1836 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

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1837 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1837 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1838 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1838 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1839 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1840 EVERGREEN ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1840 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1840 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1840 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1841 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

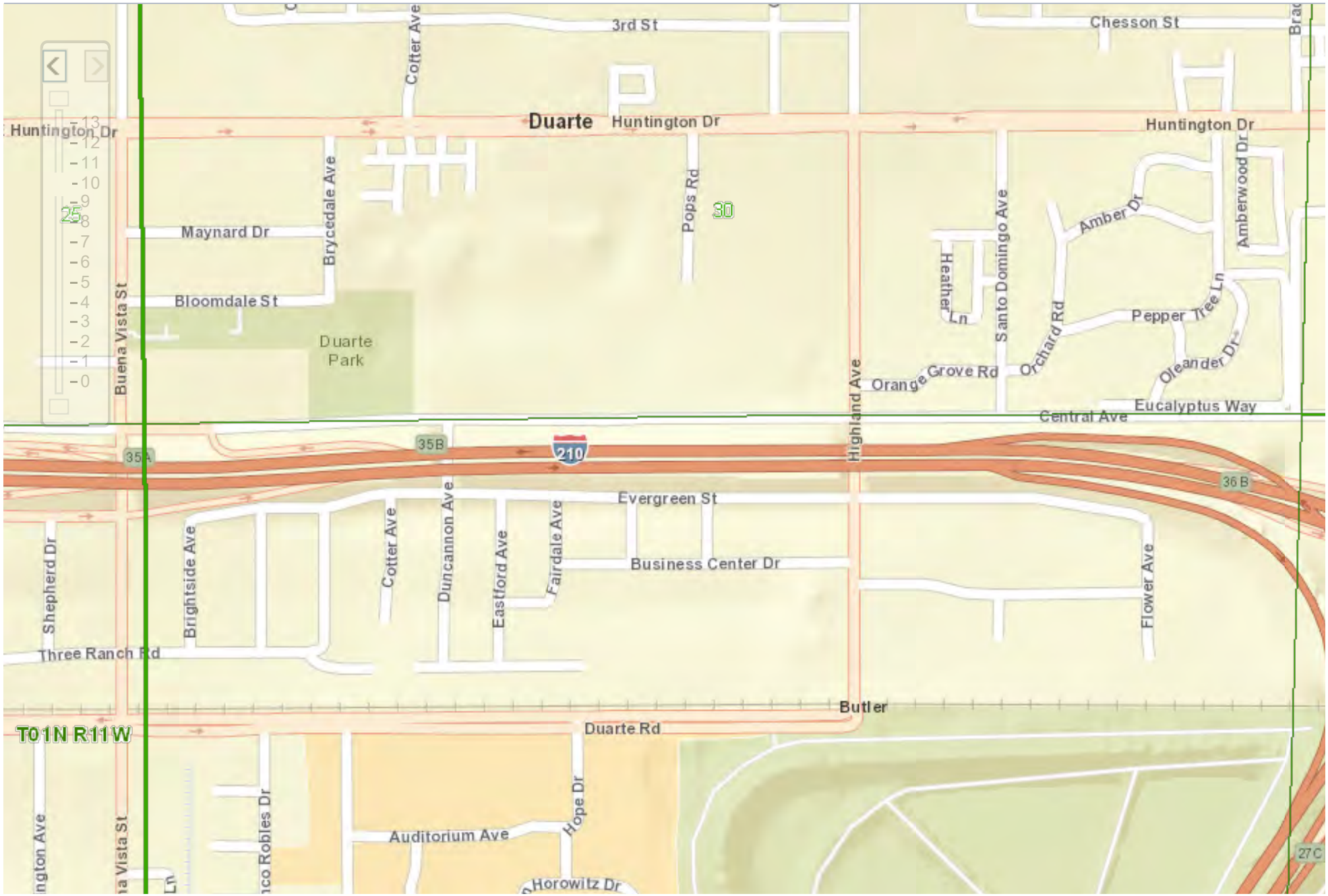
FINDINGS

Address Researched	Address Not Identified in Research Source
1841 EVERGREEN ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1841 HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1841 HIGHLAND AVE N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1841 W HIGHLAND AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1842 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1843 HIGHLAND AVE S	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1844 EVERGREEN	2012, 2007, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1844 EVERGREEN CIR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

State of California Department of Conservation

DOMS Web Map

Details Layers Basemap Well Filter



Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Inquiry Number: 3599441.3
May 07, 2013

Certified Sanborn® Map Report

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5/07/13

Site Name:
Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Client Name:
RBF Consulting
14725 Alton Parkway
Irvine, CA 92618

EDR Inquiry # 3599441.3

Contact: Kristen Bogue

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Site Name: Duarte Station Specific Plan
Address: Multiple Addresses
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Cross Street:
P.O. # 130318
Project: Hazards and Haz Mat Section
Certification # 0A3F-47D6-9844

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Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Inquiry Number: 3599441.4
May 07, 2013

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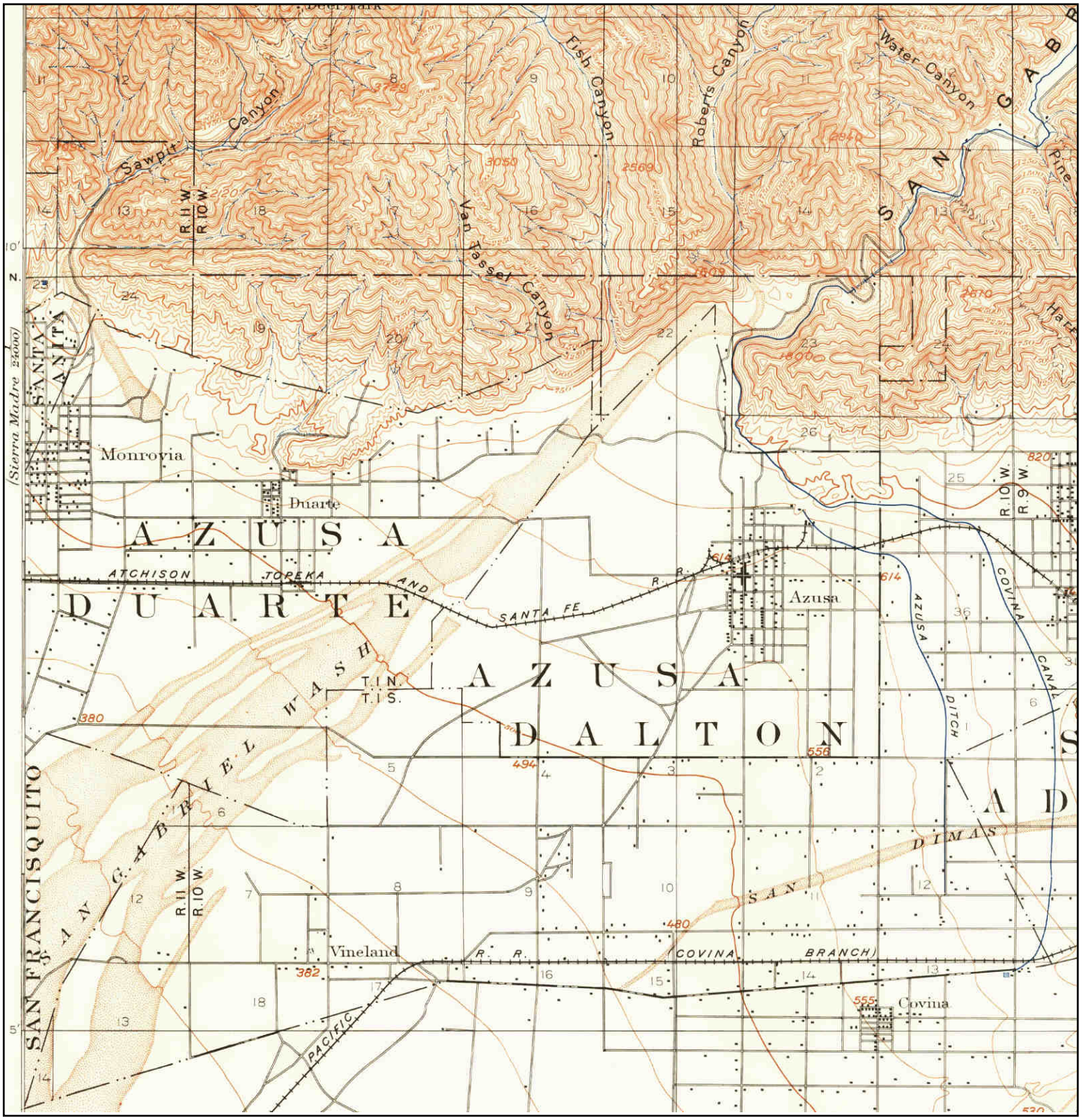
Historical Topographic Map

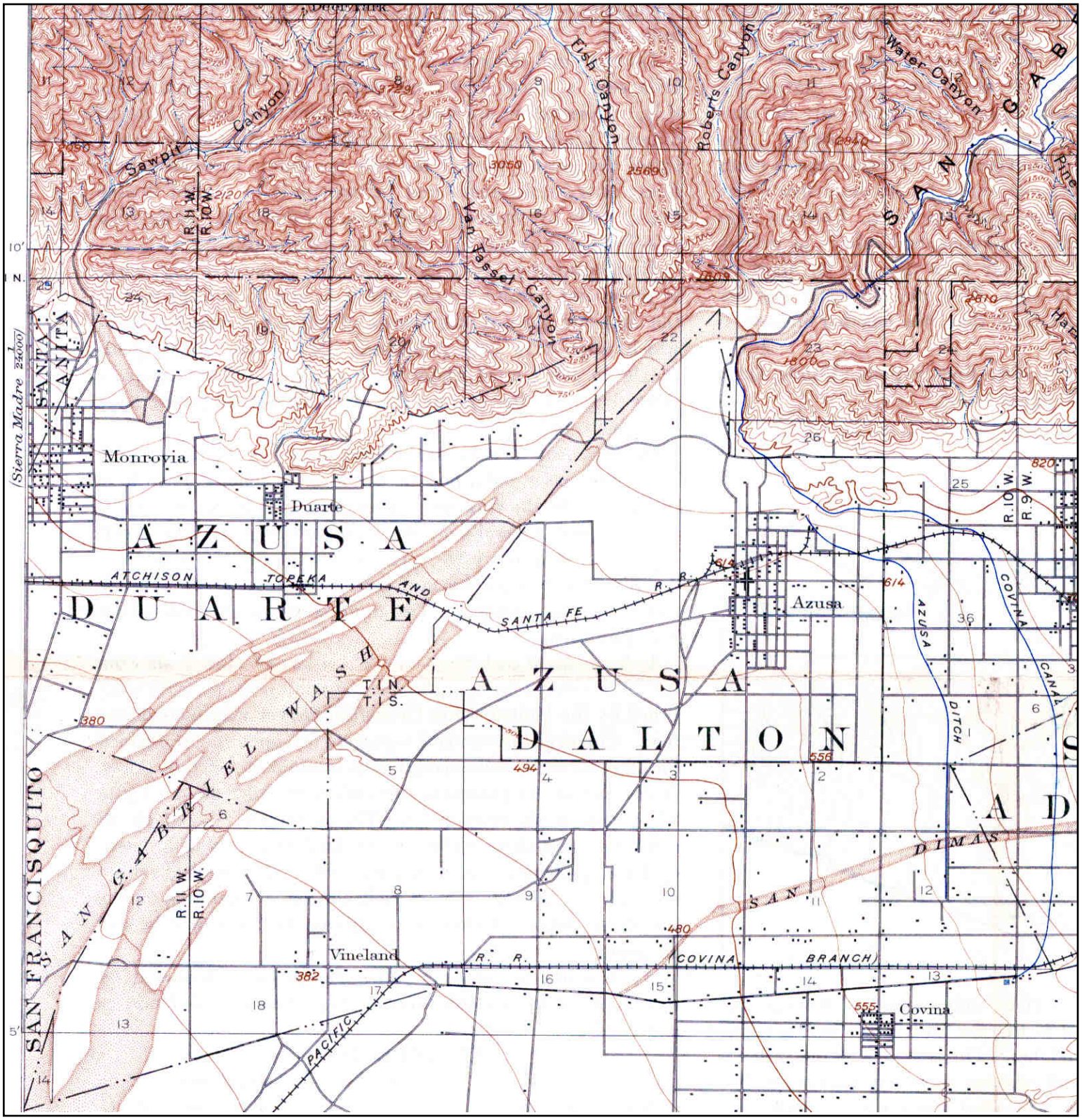


N	TARGET QUAD NAME: POMONA MAP YEAR: 1894 SERIES: 15 SCALE: 1:62500	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map

N	TARGET QUAD					
	NAME:	SOUTHERN CA SHEET 1	SITE NAME:	Duarte Station Specific Plan	CLIENT:	RBF Consulting
	MAP YEAR:	1901	ADDRESS:	Multiple Addresses Duarte, CA 91010	CONTACT:	Kristen Bogue
	SERIES:	60	LAT/LONG:	34.1336 / -117.9687	INQUIRY#:	3599441.4
	SCALE:	1:250000			RESEARCH DATE:	05/07/2013

Historical Topographic Map



N	TARGET QUAD				
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	MAP YEAR:	1904	ADDRESS:	Multiple Addresses Duarte, CA 91010	CONTACT: Kristen Bogue
	SERIES:	15	LAT/LONG:	34.1336 / -117.9687	INQUIRY#: 3599441.4
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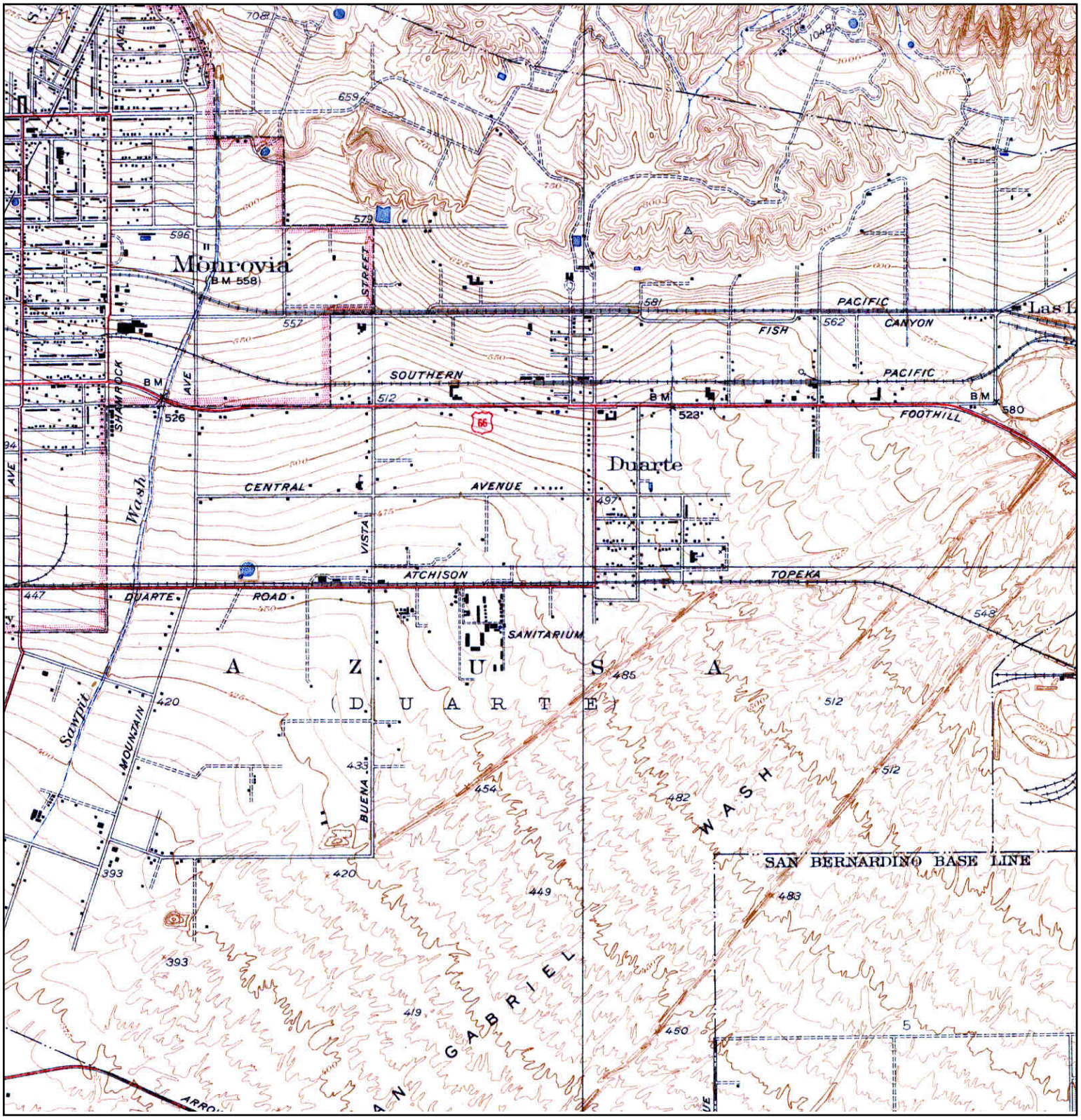
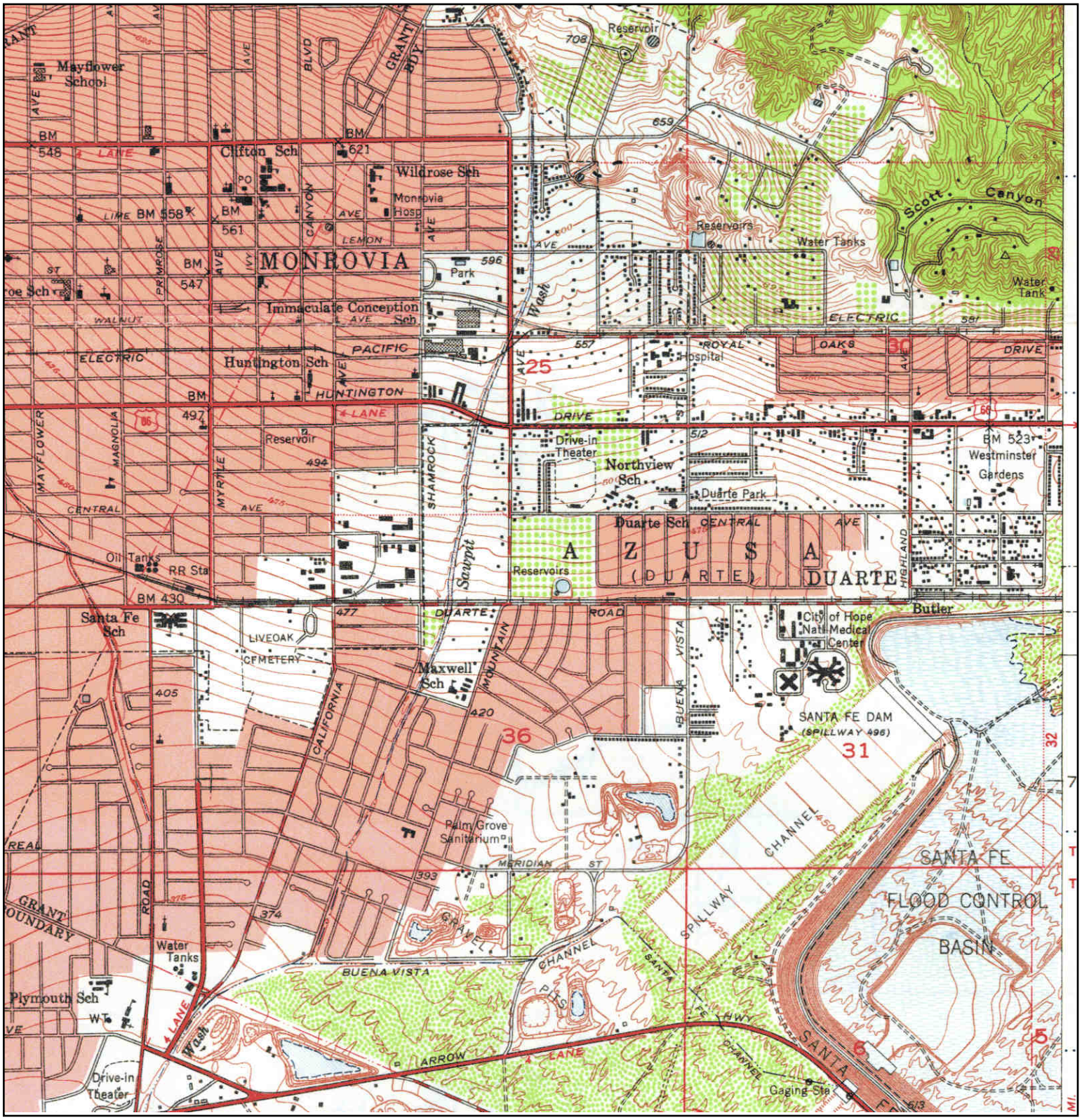
Historical Topographic Map



N	TARGET QUAD NAME: AZUSA MAP YEAR: 1939 SERIES: 6 SCALE: 1:24000	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map

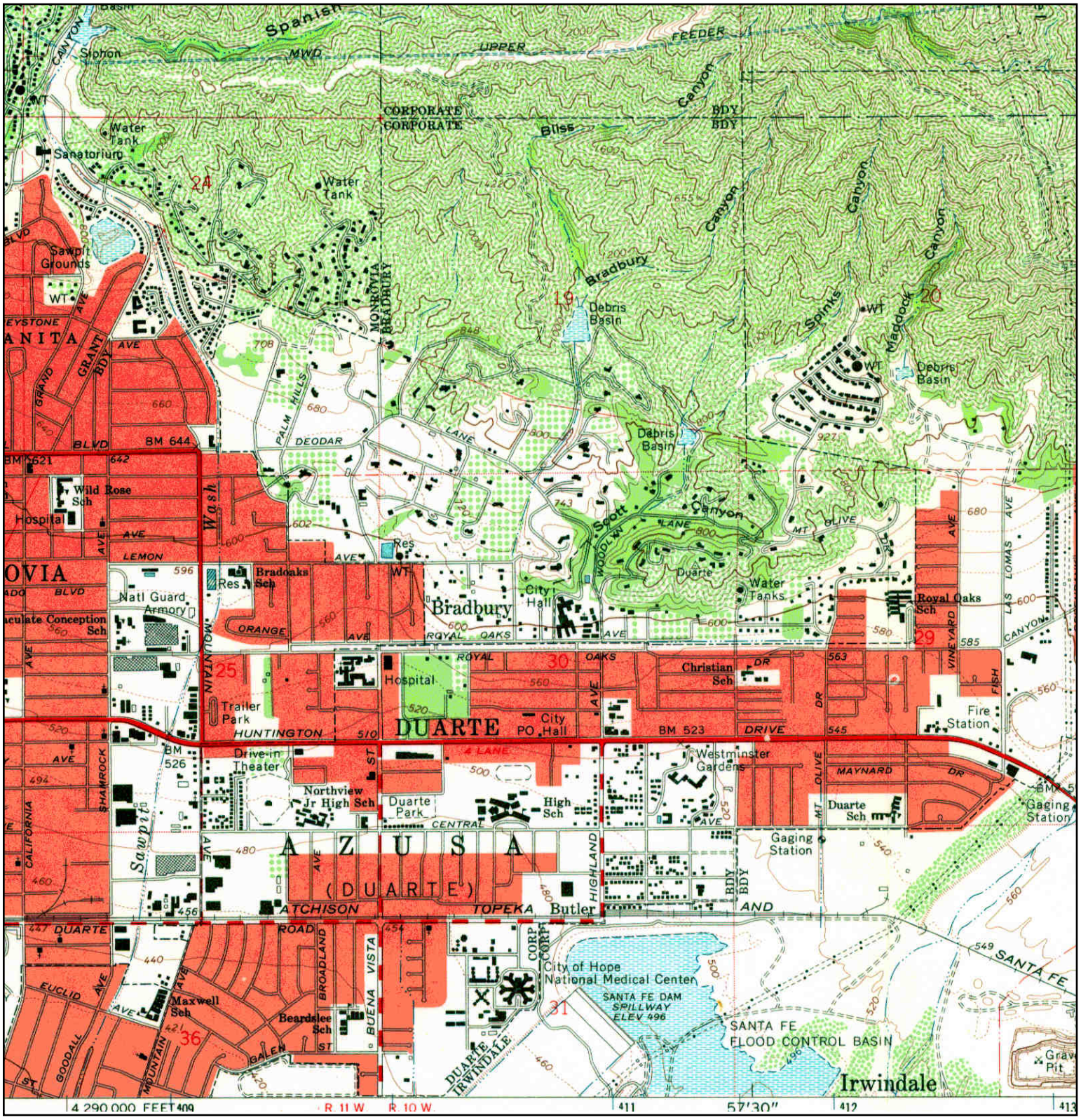


N	TARGET QUAD NAME: LOS ANGELES AND VICINITY EAST 3 OF 4 MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map

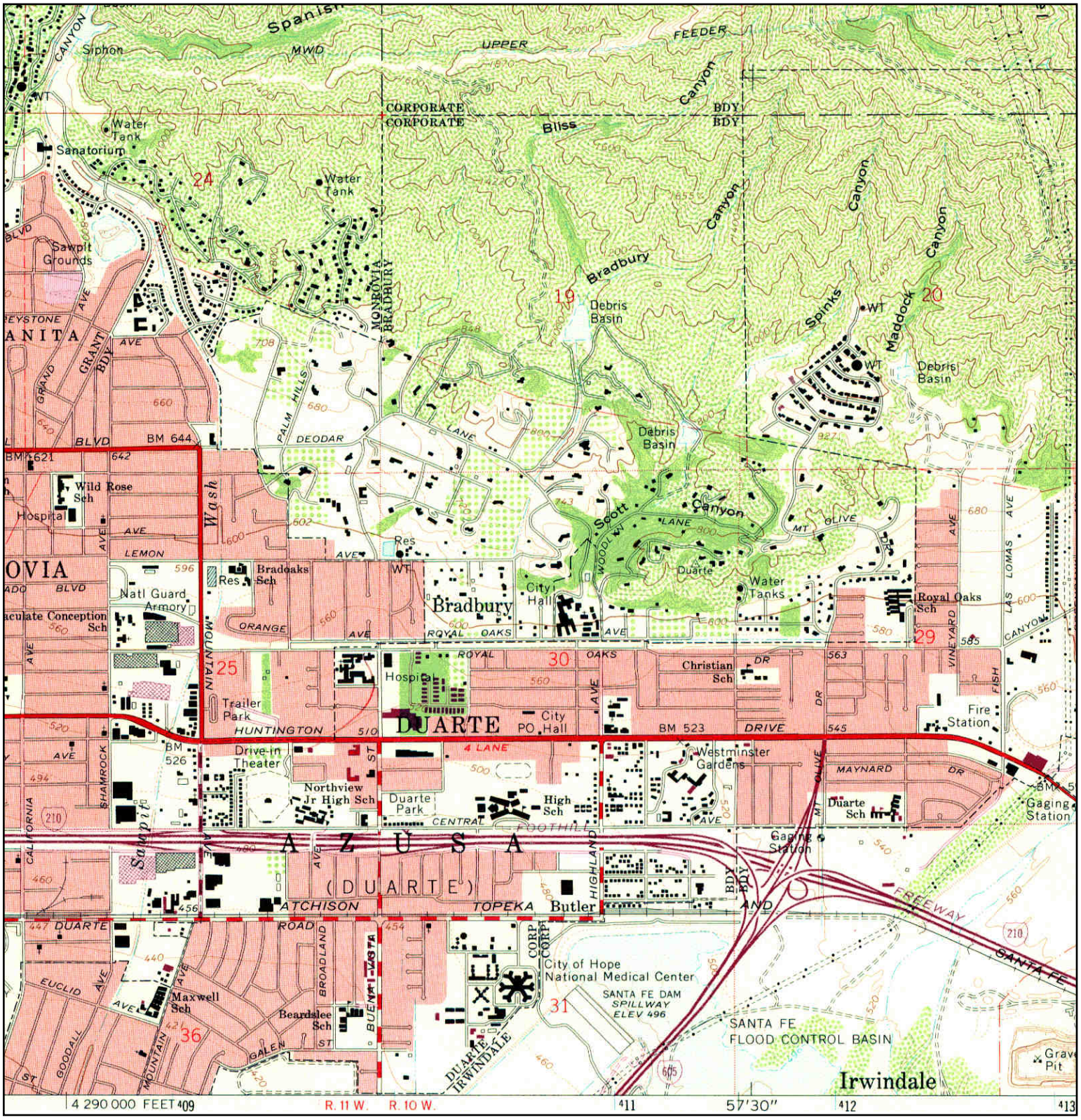
N	**TARGET QUAD** NAME: AZUSA MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map



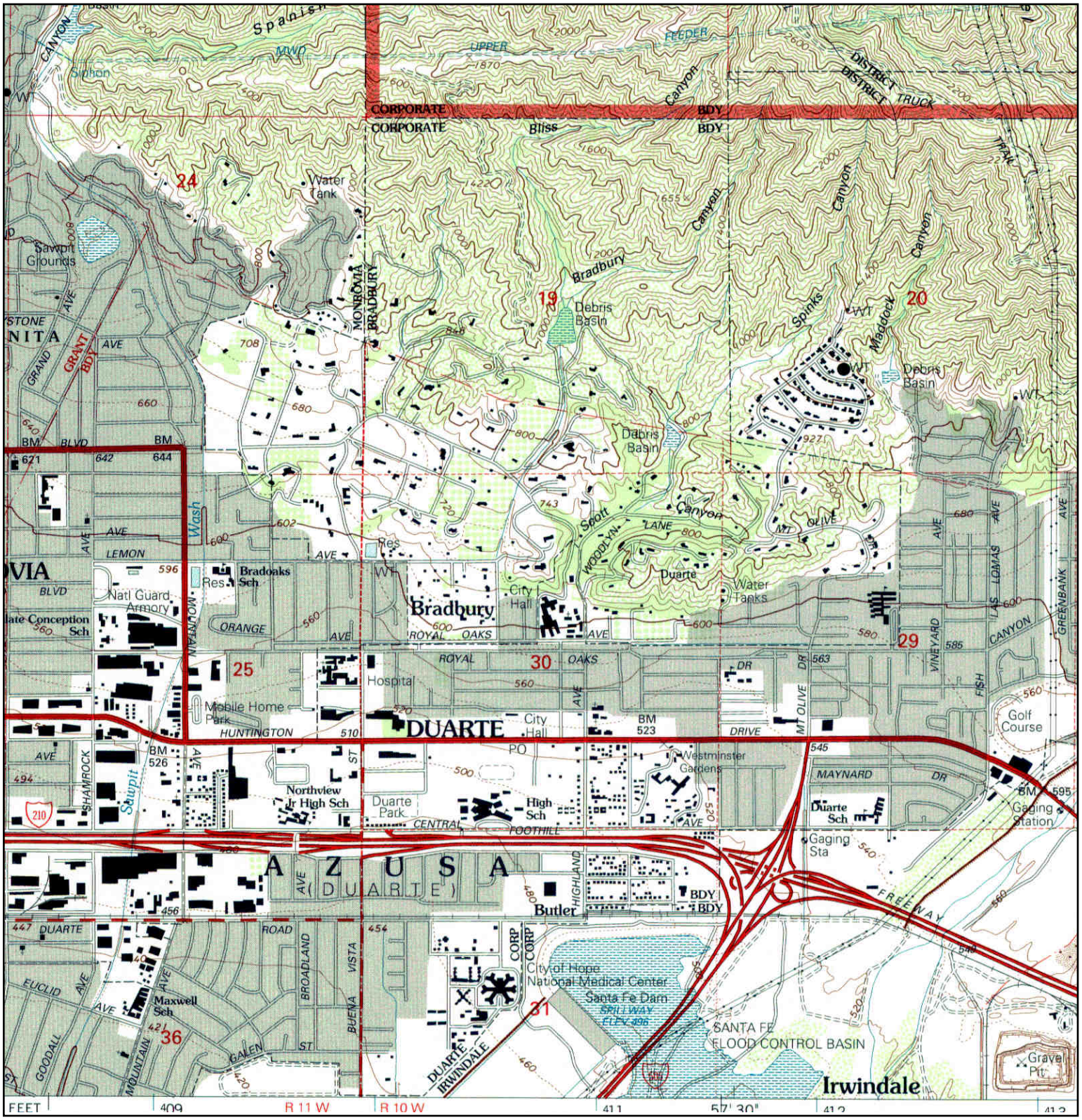
N	TARGET QUAD NAME: AZUSA MAP YEAR: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map



N	TARGET QUAD NAME: AZUSA MAP YEAR: 1972 PHOTOREVISED FROM :1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte, CA 91010 LAT/LONG: 34.1336 / -117.9687	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 3599441.4 RESEARCH DATE: 05/07/2013

Historical Topographic Map



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Duarte Station Specific Plan
Multiple Addresses
Duarte, CA 91010

Inquiry Number: 3599441.5
May 10, 2013

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Date EDR Searched Historical Sources:

Aerial Photography May 10, 2013

Target Property:

Multiple Addresses

Duarte, CA 91010

Year	***Scale***	***Details***	***Source***
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1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	Laval
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Fairchild
1956	Aerial Photograph. Scale: 1"=500'	Flight Year: 1956	Fairchild
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	Fairchild
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	Teledyne
1976	Aerial Photograph. Scale: 1"=500'	Flight Year: 1976	Teledyne
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR

INQUIRY #: 3599441.5

YEAR: 1928

= 500'

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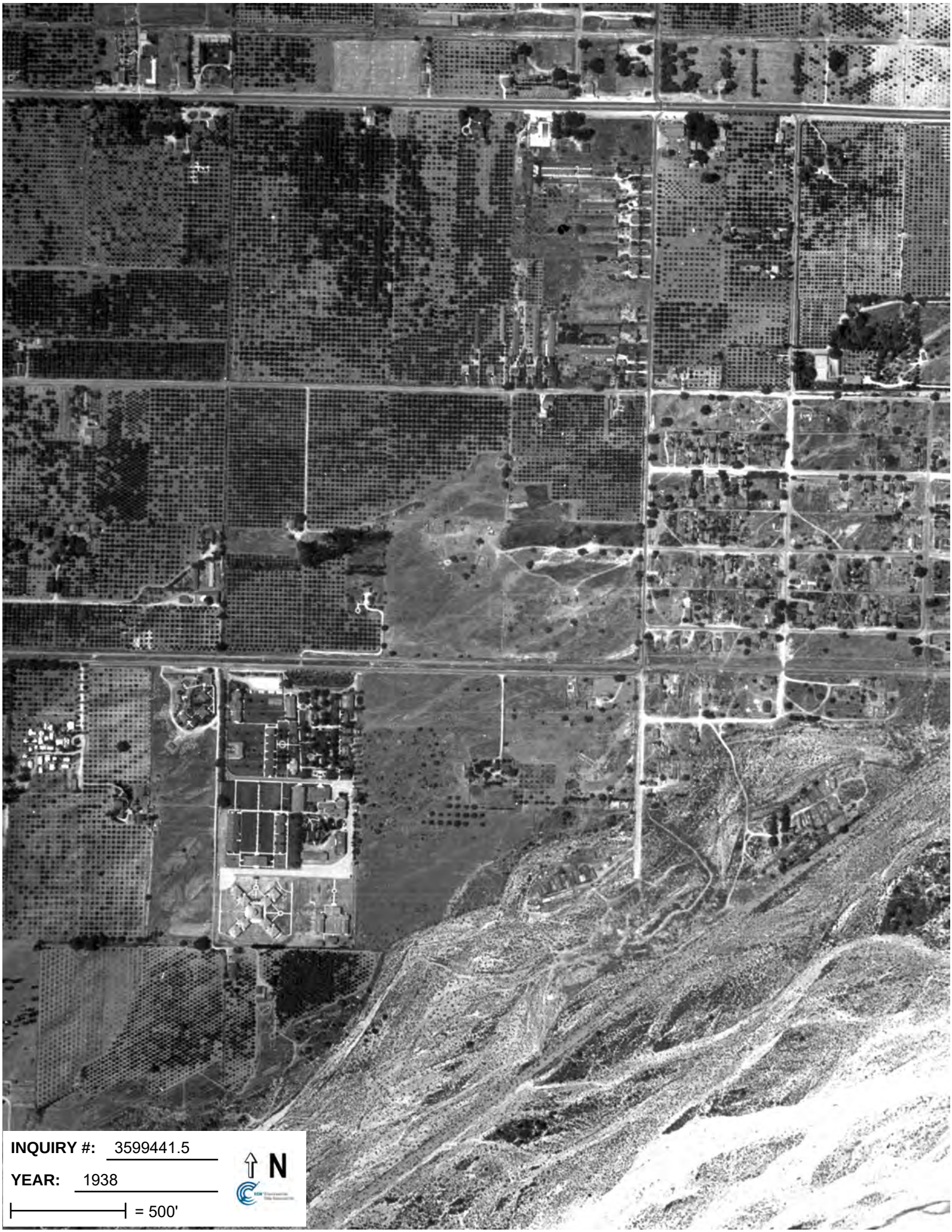
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YEAR: 1949
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N


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YEAR: 1960
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YEAR: 1968
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YEAR: 1976
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YEAR: 1989
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YEAR: 1994
= 500'
N


INQUIRY #: 3599441.5
YEAR: 2005
= 500'
N


INQUIRY #: 3599441.5
YEAR: 2009
= 500'
N


INQUIRY #: 3599441.5
YEAR: 2010
= 500'
N


INQUIRY #: 3599441.5
YEAR: 2012
= 500'
N

APPENDIX G2
PEA-Equivalent Documents for GE Aviation 1700 Business Center Drive

Aghakiant, Narine@DTSC

From: Naginis, John@DTSC
Sent: Thursday, June 19, 2014 4:23 PM
To: Aghakiant, Narine@DTSC
Subject: General Electric Aviation - Focused Soil Investigation Report

Good Afternoon Narine,

I have reviewed the East Dock Soil Investigation and Removal Report, 1700 Business Center Drive, Duarte, California, dated October 23, 2012 and prepared for General Electric Aviation. The report documents excavation of soil with elevated concentration of Tributylphosphate (TBP) and confirmation samples collected at the base of excavations to demonstrate that soil with elevated concentrations has been removed. A no further action (NFA) determination is requested in the Report. Based on the sample locations and sample results it appears that soil with elevated concentrations of Tributylphosphate (TBP) have been removed by the exploratory excavations conducted in and around the East Dock portion of the facility. Confirmation samples collected from soil left in place once the excavations were done have TBP concentrations below EPA residential screening level of 54,000 ug/kg. Due to the TBP concentrations being below the screening level, I agree with the Report request for a no further action (NFA) determination.

Give me a call or come by my cube to talk if you have any questions. If you would like to have my comments in memo form rather than an email let me know and I can prepare a memo. I will be out of the office tomorrow, so it you would like a memo I can write it up on Monday.

John Naginis
Senior Geologist
Department of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311
(818)717-6626

Aghakiant, Narine@DTSC

From: Kerzic, Patrick@DTSC
Sent: Tuesday, July 08, 2014 1:05 PM
To: Aghakiant, Narine@DTSC
Subject: GE Aviation comments

Follow Up Flag: Flag for follow up
Flag Status: Completed

Hi Narine,
I've added my comments below. If you have any questions, please let me know.

-Patrick

SUBJECT: GE Aviation East Dock Soil Investigation and Removal Report, 1700 Business Center Drive, Duarte, California

PCA: 12018 Site Code: 301656-11

Background
HERO has reviewed the East Dock Soil Investigation and Removal Report for the GE Aviation facility, located at 1700 Business Center Drive, Duarte, California. The larger site consists of 9 acres of land, with 117,000-square foot of manufacturing space that has produced hydraulic actuation systems since 1964. Previous investigations indicated the presence of tributyl phosphate (TBP) and total petroleum hydrocarbons (TPH) in soil near the East Dock area. The current report relates to the East Dock area, where hydrocarbon-impacted soil was observed adjacent to a storm drain pipe in 2012. Excavation activities included an area of 15'x15'x6' deep in the interior area and 10'x10'x6' deep in the exterior area. Groundwater was not impacted. Excavations were conducted in November 2012 and February/March 2013 in the East Dock area, and the current report documents site conditions subsequent to excavation activities.

Comments
3.2.2 Soil Chemistry Results: HERO notes that arsenic, Bis(2-Ethylhexyl) Phthalate, Isophorone, and Phenol all were detected in soil samples, though none were present at concentrations that would cause concern for human of environmental health.

HERO notes that TBP and TPH were detected in excess of screening levels, and were subsequently removed during excavation activities.

Conclusions
HERO recommends that no further action be taken to address potentially contaminated soil on site.

_____
Patrick Kerzic, PhD DABT
California Environmental Protection Agency
Department of Toxic Substances Control

Office of Human and Ecological Risk
9211 Oakdale Avenue
Chatsworth, CA 91311
(818)717-6595

Prepared for

General Electric Aviation
Duarte, CA

Focused Soil Investigation and Storm Drain Inspection Report
1700 Business Center Drive, Duarte, CA

October 23, 2012

MWH

FOCUSED SOIL INVESTIGATION AND STORM DRAIN INSPECTION REPORT

1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

Prepared for:

GENERAL ELECTRIC AVIATION
1700 Business Center Drive
Duarte, California 91010

Project Number - 10501103.010104

Prepared by:

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Joan Dolmat
Project Geologist

PROFESSIONAL GEOLOGIST
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EXP. 8/31/13
STATE OF CALIFORNIA

MWH

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ACRONYMS AND ABBREVIATIONS

AST	Advanced Sewer Technology
BC^2	BC^2 Environmental
COC	Chain-of-Custody
ft bgs	Feet Below Ground Surface
IDW	Investigation Derived Waste
mg/kg	Milligrams per Kilograms
MDL	Method Detection Limit
MWH	MWH Americas, Inc.
RSL	USEPA Region IX Regional Screening Level (USEPA, 2011)
QA/QC	Quality Assurance/Quality Control
Report	Focused Soil Investigation and Storm Drain Inspection Report
RLs	Laboratory Reporting Limits
RWQCB	Regional Water Quality Control Board
Site	1700 Business Center Drive, Duarte, California
SSL	RWQCB Soil Screening Levels for TPH in Soil (RWQCB, 1996)
SVOCs	Semi-Volatile Organic Compounds
TBP	Tributyl Phosphate
TIC	Tentatively Identified Compound
TPH	Total Petroleum Hydrocarbon
μg/kg	Micrograms per Kilograms
USA	Underground Service Alert
USEPA	United States Environmental Protection Agency
SVOCs	Semi-Volatile Organic Compounds

SECTION 1.0

INTRODUCTION AND BACKGROUND

This *Focused Soil Investigation and Storm Drain Inspection Report* (Report) has been prepared by MWH Americas, Inc. (MWH) on behalf of General Electric Aviation (GE) for the property located at 1700 Business Center Drive, in Duarte, California (Site) (Figure 1). The Report is responsive to GE's request to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and outside the East Dock area (Figure 2). In addition, the scope of work consisted of video inspecting the storm drain pipe located immediately adjacent to the East Dock area. The investigation was conducted in general accordance with the scope of work presented in MWH's proposal dated July 26, 2012, under the direction of GE.

1.1 PURPOSE AND OBJECTIVES

The purpose of this Report is to document the procedures and results of soil sampling and chemical analyses to support an assessment of the nature and extent of potential subsurface impacts. The objectives of the investigation were to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and immediately adjacent to the readily accessible East Dock area and to evaluate the storm drain pipe physical condition to further evaluate it's potential to serve as a conduit for potentially impacting storm water discharges from the Site.

1.2 SITE DESCRIPTION AND HISTORY

The Site is located at 1700 Business Center Drive, Duarte, California (Figure 1). The Site consists of approximately 9 acres of land, containing a one story 117,000-square foot manufacturing facility surrounded by asphalt-paved parking lots (Figure 2).

The Site has been used for the manufacture of hydraulic actuation systems since 1964. Current operations include design, development, and manufacture of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems. Machining, cleaning, assembly and testing are performed at the Site. Work is conducted for both commercial and military applications. GE currently owns the land and buildings within an industrial community.

Following removal of some deteriorated asphalt outside and east of the East Dock area in July 2012, hydrocarbon-impacted soil was observed (see Figure 3) adjacent to a 6-inch diameter metal storm drain pipe. At the time, the source of the visual subsurface impact was unknown, although Site personnel suggested it may have been derived from the aboveground piping that lay in concrete trenches for the associated Skydrol aboveground storage tank located in the East Dock. GE plans to replace the pumps and plumbing for the Skydrol and adjacent Red Oil aboveground tanks.

Storm water from the East Dock roof area flows from the inlet point, located on the roof adjacent to an active cooling tower, to its point of discharge at the parking lot area, located just outside the East Dock area. Surface water then flows southwest across the aphalt-paved parking lot and enters the municipal storm drain system on East Duarte Road to the

south. There is no direct, piped connection between the East Dock discharge area to the municipal storm drain system.

1.3 ENVIRONMENTAL SETTING

1.3.1 Regional Topography and Hydrology

The City of Duarte is located in the San Gabriel Valley. The San Gabriel Mountains define the northern boundary, respectively, of the valley. The Repetto, Merced, and Puente Hills make up the southern and western boundaries of the valley. Drainages of the Rio Hondo and San Gabriel Rivers drain this basin through the Whittier Narrows, a gap between the Merced and Puente Hills to the southwest (Department of Water Resources [DWR], 2004). The Santa Fe Flood Dam and Control Basin lie approximately 700 south and 3,000 feet southeast of the Site, respectively. The Santa Fe Dam and Control Basin are in within the San Gabriel wash. The Site is located at approximately 488 feet above mean sea level (msl). Regional surface drainage is towards the southwest (United States Geological Survey [USGS], 1995).

1.3.2 Regional Geology and Hydrogeology

The San Gabriel Valley and groundwater basin is located within the northeastern block of the Los Angeles Basin in the Transverse Ranges Geomorphic Province. The basin is bounded by the Raymond fault and the San Gabriel Mountains to the north; the Repetto, Merced, and Puente Hills to the south and west; and the Chino and San Jose faults to the east. Between the Merced and Puente Hills is Whittier Narrows, a structural and topographic low (DWR, 2004).

Groundwater elevations generally follow the topographic slope of the San Gabriel Groundwater Basin, with groundwater flowing from the edges of the basin towards the center of the basin, then towards the southwest to exit through the Whittier Narrows (DWR, 2004). A review of the California Regional Water Resources Control Board website indicates that groundwater was present at a depth of approximately 330 feet below ground surface (ft bgs) at sites 1.2 miles northwest (in March 2009) and 1.8 miles southeast (in November 2007) of the GE Site. In addition, at a drilling site located approximately two miles southwest of the GE Site, groundwater was encountered approximately 150 ft bgs in May 2010. Based on these data, it is estimated that groundwater in the vicinity of the Site is at least 150 ft bgs.

SECTION 2.0

SITE INVESTIGATION ACTIVITIES

Field activities at the Site were completed on August 9 and 10, 2012. Field assessment activities included utility clearance, soil sampling, investigation derived waste management, and the storm drain pipe video inspection. The field activities were completed in accordance with the Site-Specific Health and Safety Plan (MWH, 2012) and under the direct supervision of a California Professional Geologist.

2.1 GEOPHYSICAL UTILITY CLEARANCE

Prior to field activities, Underground Service Alert (USA) was notified to mark subsurface utilities that may enter the Site from public easements (Ticket No. A22190827). In addition, geophysical clearance of subsurface utilities in the general vicinity of each boring location was completed on August 9, 2012 by Geovision, a geophysical company subcontracted by MWH. The geophysical survey was completed to identify known and potentially unknown subsurface structures and readily identifiable subsurface utilities. Final sampling locations were modified based on field observations, USA, and geophysical clearances.

2.2 SUBSURFACE SOIL INVESTIGATION

Drilling

Soil samples were collected from seven (7) soil boring locations (SB-20 through SB-22 and SB-25 through SB-28, as depicted graphically on Figure 3). Two of the originally proposed soil borings, SB-23 and SB-24 from the proposal, were not completed due to difficult drilling conditions at the other locations. Based on the initial findings and discussion with MWH's project manager, GE chose not to remobilize to complete these remaining two soil borings. The drilling and subsurface soil sampling was completed by BC^2 Environmental (BC^2), a California-licensed drilling contractor subcontracted by MWH. Soil borings were advanced by either a limited-access hollow stem auger drill rig or hand augered, depending upon physical access constraints at the sampling locations. The borings were cleared for utilities to 5 ft bgs using a hand auger.

The following borings reached drilling refusal with the limited access hollow stem auger drill rig, prior to reaching the target depth of 10 ft bgs:

- Soil boring SB-20 met with refusal on dense cobbles at 6.5 ft bgs
- Soil boring SB-22 met with refusal on dense cobbles at 7 ft bgs
- Soil boring SB-25 met with refusal on dense cobbles at 3.5 ft bgs
- Soil boring SB-26 met with refusal on dense cobbles at 6 ft bgs
- Soil boring SB-27 met with refusal on dense cobbles at 4 ft bgs
- Soil boring SB-28 met with refusal on dense cobbles at 3.5 ft bgs

Soil Sampling

Soil sample collection depths and laboratory analyses assigned for each sample are summarized in Table 1. Soil samples were collected using a Modified California sampling device, equipped with stainless steel six-inch samplers. The sample retainer was immediately sealed with Teflon® film and plastic end caps for shipment to the laboratory for

analyses. Soil samples were labeled, placed in plastic resealable bags, registered into chain-of-custody (COC) protocol, and placed in an ice-chilled cooler. Sample handling and chain-of-custody procedures were completed in general accordance with U.S. Environmental Protection Agency (USEPA) SW-846 protocol. Soil samples were delivered for chemical analyses to TestAmerica Laboratories, Inc. (TestAmerica) of Irvine, California, a state-certified laboratory.

Organic vapor levels of ambient air and the headspace of recovered soil samples were measured using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp during drilling activities. Calibration of the PID was performed in accordance with the manufacturer's instructions prior to each day's use.

Soil samples were also used for soil classification and geologic logging, in accordance with the Unified Soil Classification System as presented in American Society for Testing and Materials Standard D2488, and classified by color using a Munsell Color Chart. Geologic logs for the soil borings are presented in Appendix A.

Soil Boring Abandonment

Soil borings were abandoned using cement bentonite grout (95% Portland cement mixed with 5% bentonite powder per weight) to just below surface grade, then capped at the surface with concrete or dirt to match the existing surface grade.

Decontamination Procedures

The soil sampling equipment was cleaned with a non-phosphate detergent, rinsed with tap water, twice-rinsed with deionized water, and air dried. The equipment was handled in a manner intended to prevent cross-contamination between sampling locations.

Laboratory Analysis

Table 1 summarizes the soil investigation sampling and chemical analysis program. Analytical methods may have included:

- Semi-Volatile Organic Compounds (SVOCs) using USEPA Method 8270C with Tentatively Identified Compounds (TICs);
- Total Petroleum Hydrocarbons (TPH) – carbon chain using Modified USEPA Method 8015-B;
- Title 22 Metals using USEPA 6010B;
- And hexavalent chromium using USEPA 7196.

2.3 STORM DRAIN PIPE INSPECTION

MWH subcontracted Advanced Sewer Technology (AST), a California-licensed plumbing and sanitation system contractor, to video inspect the 6-inch roof storm drain pipe located immediately adjacent to the East Dock. The depth of the storm drain pipe is approximately 2 to 3 inches below the concrete floor. The storm drain inlet is located on the roof adjacent to an active cooling tower, and its point of discharge (open-ended) is located just outside the East Dock area. AST installed a video camera from each access point to evaluate the storm drain pipe conditions along its length.

2.4 INVESTIGATION DERIVED WASTE (IDW) MANAGEMENT

Soil cuttings, decontamination water, used personal protective equipment, and disposable sampling equipment generated during field activities were appropriately stored at the Site in three labeled UN-approved 55-gallon steel drums. GE will properly transport and dispose of the IDW using GE's licensed contractor at an off-site disposal facility following receipt of sample results.

2.5 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

2.5.1 Field QA/QC Samples

The overall QA/QC objective for field activities and laboratory analyses was to produce data of sufficient quality to support an evaluation of the environmental conditions. Standard operating procedures were conducted in order to achieve sufficiently acceptable levels of accuracy, precision, completeness, representativeness, and comparability for the data. The soil data collected were evaluated for data adequacy and a report summarizing these activities is presented in Appendix B and is further discussed in the following subsections.

2.5.2 Laboratory QA/QC

USEPA mandated sample holding times and preservation were observed. Specific requirements were followed, including field and reagent blanks, calibration check standards, matrix-spike duplicates (MSD), total recoveries, and laboratory QC samples.

2.5.3 Data Management and Adequacy Evaluation

A Level II data adequacy procedure was utilized to obtain an adequate level of confidence in the data presented. A Level II data review was completed and included a cursory review of laboratory data for precision, accuracy, representativeness, completeness, and comparability. QC data was reviewed for laboratory instrument precision and accuracy from laboratory control samples, duplicate recoveries, relative percent differences, matrix spike (MS/MSD) sample recoveries, and relative percent differences. Samples were evaluated for representativeness of laboratory and site conditions based on review of method and field blanks. The results were reviewed for completeness and comparability based on the analytical methods used, sample preservation and holding time criteria specified for each method, and the laboratory reporting limits (RLs).

2.5.4 Data Adequacy Summary

Results were reviewed in accordance with the appropriate methods listed above. In addition, the USEPA Contract Laboratory Program National Functional Guidelines for Organic (USEPA, 1999) and Inorganic (USEPA, 2004) Data Review were used to provide overall guidance for the adequacy evaluation process. The data review included an evaluation of the following quality control parameters based on standard performance criteria presented in these documents. All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes.

- Analytical holding times/sample preservation
- Method blanks and field blanks
- Surrogate percent recovery
- MS/MSD sample performance
- Field duplicate comparison
- Detection limits

SECTION 3.0

SITE INVESTIGATION RESULTS

3.1 SITE SPECIFIC GEOLOGY

The subsurface soils encountered during the investigation consisted of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles to 10 ft bgs, the maximum depth explored. PID readings were generally very low in all of the borings with a maximum of 8.1 parts per million in samples collected from SB-20 at 3 ft bgs. Unusual odors or staining was not visually observed in cores collected from the soil borings. Groundwater was not encountered during the Site investigation.

3.2 ANALYTICAL RESULTS

3.2.1 Regulatory Standards

The soil chemistry results reported above analytical method detection limits were compared against various Federal and/or State standards, as tabulated in Tables 2 through 4. Descriptions of each of these criteria are provided below:

- **Soil:** Soil chemistry results reported above analytical method detection limits were compared to USEPA Region IX Regional Screening Levels (RSLs) for SVOCs, TICs, and metals (USEPA, 2012), the California background concentrations for metals (Bradford et al, 1996), and the RWQCB maximum soil screening levels (SSLs) for TPH (RWQCB, 1996).
    - USEPA RSLs are risk-based tools for evaluating and cleaning up contaminated sites using the industrial land-use scenario.
    - *Background Concentrations of Trace and Major Elements in California Soils* documents the comprehensive, scientific database on anthropogenic and natural causes of elevated trace element concentrations in California soils. Detected metal concentrations were compared to background concentrations from samples noted in the report.
    - *Determination of a Southern California Regional Background Arsenic Concentration in Soil* documented by the Department of Toxic Substance Control determined background levels for arsenic in Los Angeles County. Detected arsenic concentrations were compared to the upper-bound background arsenic concentration of 12 mg/kg (Chernoff et all., 2008).
    - RWQCB SSLs are numerical soil screening levels to evaluate the potential need for remediation of soils impacted by petroleum hydrocarbons, based on soils greater than 20 feet above groundwater, since groundwater is approximately 150 feet bgs.

3.2.2 Soil Chemistry Results

The following sections describe soil chemistry analytical results that were reported above analytical method detection limits (MDL) or RLs. Soil chemistry results and Federal and State regulatory standards are tabulated in Tables 2 through 4. Laboratory analytical

reports are presented in Appendix C. Laboratory reporting values that are above the MDL and below the practical quantitation limit or RL are labeled with a "J-flag" which indicates that the value is estimated. Results reported at concentrations above the MDL or RL are referred to as “detected” in the discussion below. Summary soil chemistry results for TPHs and TICs are presented graphically on Figure 4.

Metals

Soil chemistry results for Title 22 metals and hexavalent chromium are summarized on Table 2. The following is a summary of detected metals concentrations:

- Antimony was detected in each soil sample at concentrations ranging from 1.0 J to 1.8 J milligrams per kilogram (mg/kg).
- Arsenic was detected in each soil sample at concentrations ranging from 2.8 to 4.2 mg/kg.
- Barium was detected in each soil sample at concentrations ranging from 59 to 90 mg/kg.
- Beryllium was detected in four soil samples at concentrations ranging from 0.20 J to 0.21 J mg/kg.
- Cadmium was detected in seven soil samples at concentrations ranging from 0.23 J to 0.48 J mg/kg.
- Chromium was detected in each soil sample at concentrations ranging from 9.2 to 11 mg/kg.
- Cobalt was detected in each soil sample at concentrations ranging from 4.6 to 6.2 mg/kg.
- Copper was detected in each soil sample at concentrations ranging from 12 to 23 mg/kg.
- Lead was detected in each soil sample at concentrations ranging from 3.1 to 12 mg/kg.
- Nickel was detected in each soil sample at concentrations ranging from 7.4 to 11 mg/kg.
- Selenium was detected in one soil samples (SB-20-3) at concentration of 1.3 J mg/kg.
- Vanadium was detected in each soil sample at concentrations ranging from 19 to 25 mg/kg.
- Zinc was detected in each soil sample at concentrations ranging from 30 to 69 J mg/kg.

Of the eight primary and duplicate soil samples analyzed for metals, only arsenic was detected above the RSL for industrial land use of 1.6 mg/kg, however, below the referenced regional background concentration of 12 mg/kg (Chernoff et all., 2008).

Semi-Volatile Organic Compounds (SVOCs)

Soil chemistry results for detected SVOCs are summarized on Table 3. The full list of SVOCs is in Appendix C.

- Bis(2-Ethylhexyl) Phthalate was detected in sample from SB-27 at 3 feet bgs at a concentration of 1,400 µg/kg.
- Phenol was detected in one sample from SB-27 at 3 feet bgs at a concentration of 650 µg/kg.

No other constituents were reported above analytical method detection limits in the 17 primary and duplicate soil samples chemically analyzed for SVOCs and none were reported at concentrations exceeding RSLs for industrial land use.

Tentatively Identified Compounds (TICs)

TICs are compounds that can be detected by the analytical methods but the identity and concentration cannot be confirmed without further testing. The TICs summarized in Table 3 are compounds that the instrumentation detected but the SVOC analytical methods did not specifically target. The TICs are qualified J as estimated and "N" as presumptive evidence of material. TICs detected during SVOC analysis of the soil samples include PAH (Polycyclic Aromatic Hydrocarbon)-like compounds, napthalenes, and other hydrocarbons. The TICs can represent potential hydrocarbon contamination. TIC results are briefly summarized below and tabulated on Table 3. The full list of SVOCs is in Appendix C.

- A total of 19 TICs were detected in the soil samples submitted for analysis.
- Only one TIC, tributyl phosphate (TBP), has a USEPA RSL. TBP was detected in 16 of the 17 submitted soil samples at concentrations ranging from 1,500 to 6,200,000 µg/kg. Four soil samples from three soil boring locations (SB-20, SB-21 and SB-25) exceeded the USEPA RSL of 190,000 µk/kg for TBP.

  [TBP is an colorless, odorless liquid (organophosphorus compound) with applications as an extractant and a plasticizer. The major uses of TBP in industry are as a flame retardant component of aircraft hydraulic fluid (OECD, 2001).]

Total Petroleum Hydrocarbons (TPHs)

Soil chemistry results for TPH are briefly summarized below and tabulated on Table 4.

- TPH was detected in each of the 17 samples submitted for TPH analysis at concentrations ranging from 7.9 to 13,000 mg/kg. These detections were predominantly in the diesel and motor oil range organics (including hydraulic oils) (C13-C40). Six samples from four soil boring locations (SB-20, SB-25, SB-27 and SB-28) were above the SSL of 1,000 mg/kg for diesel range.

  [Skydrol and the Red Oil used in the East Dock are hydraulic fluids.]

3.3 STORM DRAIN PIPE INSPECTION

The storm drain pipe extends from the roof and meanders through a series of bends to exit at its open-ended discharge point, just outside the East Dock area onto the asphalt parking lot area. The results of the storm drain pipe video inspection showed the pipe to be in good condition with no staining where the pipe was visible. A dark liquid material was found beginning from approximately 3.5 feet from the pipe discharge point, and approximately 27 feet from the roof inlet point. This dark liquid precluded complete visual inspection of the storm drain pipe and its potential as a conduit for impacting storm water leaving the Site. The dark liquid could be impacted storm water or trapped sediment-laden water at a low

point in the pipe. Visual staining was not observed on the asphalt surface beyond the storm drain discharge point.

3.4 SUMMARY

Seventeen (17) soil samples were collected and chemically analyzed, from seven soil boring locations at the Site, and a storm drain pipe inspection was completed on August 9-10, 2012, to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and immediately adjacent to the readily accessible East Dock area and to evaluate the storm drain pipe physical condition to further evaluate it's potential to serve as a conduit for potentially impacting storm water discharges from the Site. The following summarizes the focused soil investigation results.

- Soil chemistry results for SVOCs and Title 22 Metals (excluding arsenic) were not detected above their respective Federal and/or State regulatory standards.
- Arsenic was detected in each of the soil samples above the USEPA Region IX RSL of 1.6 mg/kg, however, below the regional background concentration of 12 mg/kg.
- A total of 19 TICs were detected in the soil samples submitted, however, only TBP has a USEPA RSL. TBP was detected in four soil samples exceeding the RSL with the highest concentrations detected in boring SB-20, located directly adjacent to the storm drain outlet. TBP is commonly used in industry as a component of aircraft hydraulic fluid.
- Concentrations of petroleum hydrocarbons-gasoline and –motor oil range in soil samples were not detected above their respective SSLs.
- Concentrations of petroleum hydrocarbons-diesel range in soil samples exceeding the SSL (1,000 mg/kg) were detected in boring SB-20 (3- and 5-ft bgs) located directly adjacent to the storm drain outlet, and interior boring locations SB-25 (3-ft bgs), SB-27 (3-ft bgs) and SB-28 (0.5-ft bgs).
- Concentrations of petroleum hydrocarbons-diesel range and/or TIC-TBP, exceeded the regulatory standards in the deepest sample analyzed in three boring locations (SB-20, SB-25 and SB-27).
- The results of the storm drain pipe video inspection showed the pipe to be in good condition with no staining where the pipe was visible. The video inspection did show the presence of a dark liquid material that precluded complete visual inspection of the storm drain pipe and its potential as a conduit for impacting storm water leaving the Site. The dark liquid could be impacted storm water or trapped sediment-laden water at a low point in the pipe.

SECTION 4.0

LIMITATIONS

In conducting this investigation, MWH's services were completed 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. Information provided to MWH by client representatives and site contacts has been accepted in good faith and is assumed to be accurate unless written documentation or visual observations present contradictions. MWH's findings are based on observations and data collected at specific points in time. A change in any of these factors may alter the findings and conclusions expressed by MWH.

This report was limited to the areas of concern which were prioritized by discussions with GE and subject to the defined scope of services, budget and project schedule as set forth in the Contract. The information contained in this report reflects MWH's professional judgment based on the above limitations and subject to information reasonably available at the time of Report preparation. National and local laws and regulations, if referenced in this report, are provided for information purposes and should not be construed as legal opinion or recommendation. The negotiated scope of work inherently imposed limitations on the collection and interpretation of evidence.

This Report was prepared for the exclusive use of GE. Any third party use of this report, or any reliance on or decisions made on the basis of this report, are the sole responsibility of such third party. MWH accepts no responsibility for any damages suffered by a third party as a result of decisions made or actions taken based on this report.

SECTION 5.0

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TABLES

TABLE 1
FOCUSED SOIL INVESTIGATION SAMPLING AND ANALYSIS PROGRAM
1700 Business Center Drive, Duarte, California

Location	SAMPLING PROGRAM				ANALYSIS			
	Field Sample ID	Collection Date	Media	Sample Depth (ft bgs)	Semi-Volatile Organic Compounds + TICs	Total Petroleum Hydrocarbons Carbon-Chain	Metals	Hexavalent Chromium
SB-20	SB-20-0.5	08/10/12	Soil	0.5 - 1.0	X	X	X	X
	SB-20-3	08/10/12	Soil	2.5 - 3.0	X	X	X	X
	DUP-2	08/10/12	Soil	3.0 - 3.5	X	X	X	X
	SB-20-5	08/10/12	Soil	4.5 - 5.0	X	X	H	H
	SB-20-10	--	--	--	--			
SB-21	SB-21-0.5	08/09/12	Soil	0.5 - 1.0	X	X	X	X
	SB-21-3	08/09/12	Soil	2.5 - 3.0	X	X	X	X
	DUP-1	08/10/12	Soil	3.0 - 3.5	X	X	X	X
	SB-21-5	08/10/12	Soil	4.5 - 5.0	H	H	H	H
	SB-21-10	08/10/12	Soil	9.5 -10.0	H	H	H	H
SB-22	SB-22-0.5	08/10/12	Soil	0.5 - 1.0	X	X	X	X
	SB-22.3	08/10/12	Soil	2.5 - 3.0	X	X	X	X
	SB-22-5	08/10/12	Soil	4.5 - 5.0	H	H	H	H
	SB-22-10	--	--	--	--			
SB-25	SB-25-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-25-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-25-5	--	--	--	--			
	SB-25-10	--	--	--	--			
SB-26	SB-26-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-26-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-26-5	08/10/12	Soil	4.5 -5.0	H	H		
	SB-26-10	---	---	---	--			
SB-27	SB-27-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-27-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-27-5	--	--	--	--			
	SB-27-10	--	--	--	--			
SB-28	SB-28-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-28-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-28-5	--	--	--	--			
	SB-28-10	--	--	--	--			

Notes:

ft bgs - Feet below ground surface

DUP - Duplicate sample

H - Held at Lab, Not Analyzed

TICs - Tentatively Identified Compounds

-- - Not collected due to drilling refusal

TABLE 2
SOIL CHEMISTRY SUMMARY - METALS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentrations (mg/kg)[a]															
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	1.7 J	3.3	90	<0.79	0.45 J	10	<1.5	5.2	22	12	<0.20	11	<0.99	<0.79	<0.79	23	57
	SB-20-3	08/10/12	2.5 - 3.0	1.0 J	3.2	64	0.20 J	0.41 J	10	<1.5	5.2	16	6.4	<0.20	8.5	1.3 J B	<0.79	<0.79	23	64
	DUP-2	08/10/12	3.0 - 3.5	1.8 J	3	63	0.21 J	0.27 J	11	<1.5	6.2	15	5.5	<0.20	9.2	<0.99	<0.79	<0.79	25	48
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	1.4 J	3.7	86 J	<0.79	0.48 J	11	<1.5	6.1	23	9.6	<0.20	9.6	<0.99	<0.79	<0.79	24	69 J
	SB-21-3	08/09/12	2.5 - 3.0	1.2 J	3.6	63	<0.79	0.29 J	9.2	<1.5	5.4	16	6.5	<0.20	8	<0.99	<0.79	<0.79	19	41
	DUP-1	08/10/12	3.0 - 3.5	1.4 J	2.8	71	0.20 J	0.34 J	9.9	<1.5	5.9	16	7.1	<0.20	10	<0.99	<0.79	<0.79	22	44
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	1.0 J	4.2	67	0.21 J	0.23 J	11	<1.5	5.4	14	5.9	<0.20	8.4	<0.99	<0.79	<0.79	24	37
	SB-22.3	08/10/12	2.5 - 3.0	1.2 J	3.1	59	<0.79	<0.20	9.3	<1.5	4.6	12	3.1	<0.20	7.4	<0.99	<0.79	<0.79	21	30
Regional Screening Level[b]:				410	1.6	190,000	2,000	800	---	5.6	300	41,000	800	5,100	20,000	5,100	5,100	---	5,200	310,000
Background[c]:				0.16	12[d]	576	0.68	0.32	67	--	11.6	13	13.2	0.10	30	0.015	0.28	0.38	85	92

Notes:

[a] Samples analyzed using U.S. Environmental Protection Agency (EPA) Methods 6010/7471A and for hexavalent chromium using EPA Method 7199.

[b] Regional Screening Level - U.S. Environmental Protection Agency Regions 3, 6, and 9. Regional Screening Levels for Chemicals Contaminants at Superfund Sites (EPA, 2012), industrial scenario

[c] Background Concentrations of Trace and Major Elements in California Soils (Bradford, et al., 1996). Concentrations near the San Bernardino area were used for comparisons if metal exceeded Regional Screening Level

[d] Determination of a Southern California Regional Background Arsenic Concentration in Soil, California Department of Toxic Substance Control. (Chernoff et al., 2008).

DUP - Duplicate sample

B - Compound was found in the blank and sample.

ft bgs - Feet below ground surface

J - Result is estimated

mg/kg - Milligrams per kilogram

NA - Not analyzed

< - Not detected above the method detection limit shown

-- - Not collected due to drilling refusal

--- - No RSL

TABLE 3
SOIL CHEMISTRY SUMMARY - DETECTED SEMI-VOLATILE ORGANIC AND TENTATIVELY IDENTIFIED COMPOUNDS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentration (µg/kg)																					
				SVOCs		TICs																			
				Bis(2-ethylhexyl) phthalate	Phenol	2-Pentanone, 4-hydroxy-4-methyl	Tributyl phosphate	2,3,4,5-Tetrafluorobenzonitrile	2,4-Hexadienedioic acid	3-Hydroxy-4-phenyl-5-butyl-1,2,4-triazol	4-(Trifluoromethyl)mandelic acid	n-Octadecane	Diphenyl phosphate	Hexatriacontane	1-Eicosene	1-Octadecene	Nonadecane, 9-methyl-	Octadecane	Propanenitrile, 2-chloro-3-(phenylsulfonyl)	9-Chloro-4,5-dihydro-4-[3,4,5-trimethoxy	Benzene, [(trifluoromethyl)sulfonyl]-	Docosane	Heptacosane	Tritetracontane
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	<360	<360	<8,600 UJ	68,000	ND	ND	ND	ND	890 J	25,000	4,000	4,500	ND	ND	ND	ND	ND	ND	ND	ND	6,700
	SB-20-3	08/10/12	2.5 - 3.0	<360	62,000 J	ND	6,200,000	ND	ND	ND	ND	67,000	2,500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DUP-2	08/10/12	3.0 - 3.5	<360	<360	ND	4,800,000	ND	ND	ND	ND	44,000	1,800,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-20-5	08/10/12	4.5 - 5.0	<360	<360	ND	970,000	ND	ND	ND	ND	ND	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	<360	6,900 J	ND	230,000	ND	ND	ND	ND	ND	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-21-3	08/09/12	2.5 - 3.0	<360	<360	ND	54,000	ND	ND	ND	ND	ND	29,000	ND	ND	ND	ND	ND	ND	ND	ND	5,500	ND	ND
	DUP-1	08/10/12	3.0 - 3.5	<360	1,400 J	<9,200 UJ	56,000	ND	ND	ND	ND	800 J	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,800
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	<360	<360	<9,500 UJ	8,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	730	1,100	ND
	SB-22.3	08/10/12	2.5 - 3.0	<360	<360	<9,200 UJ	550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-25	SB-25-0.5	08/09/12	0.5 - 1.0	<360	<360	<6,800 UJ	4,200	ND	ND	ND	13,000	ND	3,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-25-3	08/09/12	2.5 - 3.0	<360	<360	ND	220,000	660,000	ND	ND	ND	ND	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-26	SB-26-0.5	08/09/12	0.5 - 1.0	<360	<360	<8,000 UJ	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-26-3	08/09/12	2.5 - 3.0	<360	150 J	<8,700 UJ	1,500	ND	ND	ND	5,200	ND	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-27	SB-27-0.5	08/09/12	0.5 - 1.0	<360	<360	<6,700 UJ	4,800	ND	ND	ND	10,000	ND	2,900	ND	ND	3,900	7,400	8,100	ND	4,600	14,000	ND	ND	ND
	SB-27-3	08/09/12	2.5 - 3.0	1,400 J	6,700	<7,500 UJ	88,000	ND	ND	ND	190,000	ND	12,000	ND	ND	55,000	7,100	6,700	ND	1,300	5,000	ND	ND	ND
SB-28	SB-28-0.5	08/09/12	0.5 - 1.0	<360	<360	ND	44,000	ND	ND	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-28-3	08/09/12	2.5 - 3.0	<360	<360	<7,100 UJ	130,000	ND	16,000	ND	ND	ND	110,000	ND	ND	ND	ND	ND	7,200	ND	ND	ND	ND	ND
Regional Screening Level:				---	---	---	190,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 4
SOIL CHEMISTRY SUMMARY - TOTAL PETROLEUM HYDROCARBONS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentrations (mg/kg)[a]		
				C4-C12	C13-C22	C23-C40
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	<140	180	330
	SB-20-3	08/10/12	2.5 - 3.0	230 J	13,000	<1,000
	DUP-2	08/10/12	3.0 - 3.5	<140 UJ	12,000	<2,100
	SB-20-5	08/10/12	4.5 - 5.0	<150	3,000	370 J
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	<140	900	630
	SB-21-3	08/09/12	2.5 - 3.0	<140	210	250
	DUP-1	08/10/12	3.0 - 3.5	<140	230	240
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	<140	35	130
	SB-22.3	08/10/12	2.5 - 3.0	<140	26	59
SB-25	SB-25-0.5	08/09/12	0.5 - 1.0	<140	150	250
	SB-25-3	08/09/12	2.5 - 3.0	<150 UJ	1,100	1,500
SB-26	SB-26-0.5	08/09/12	0.5 - 1.0	<140	<7	54
	SB-26-3	08/09/12	2.5 - 3.0	<140	7.9	5.2
SB-27	SB-27-0.5	08/09/12	0.5 - 1.0	<140	380	360
	SB-27-3	08/09/12	2.5 - 3.0	<140	1,200	320
SB-28	SB-28-0.5	08/09/12	0.5 - 1.0	<150	3,000	1,100
	SB-28-3	08/09/12	2.5 - 3.0	<150	610	170
Soil Screening Level[b]:				500 (Gasoline Range)	1,000 (Diesel Range)	10,000 (Motor Oil Range)

Notes:

[a] Samples analyzed using U.S. Environmental Protection Agency Method 8015M

[b] Soil Screening Level - Los Angeles Regional Water Quality Control Board maximum soil screening level for distance above groundwater >20 feet (RWQCB, 1996)

DUP - Duplicate sample

ft bgs - Feet below ground surface

mg/kg - Milligrams per kilogram

J - Result is estimated

UJ - the analyte is not detected; however, the reporting limit or method detection limit is qualified as estimated

< - Not detected above the detection limit shown

-- - Not collected due to drilling refusal

FIGURES

SOURCE: GOOGLE EARTH
PHOTOGRAPH TAKEN MARCH 7, 2011

0 FEET 1000
SCALE

N

MWH

GE AVIATION
1700 BUSINESS CENTER DR.
DUARTE, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

Residential

Industrial Complex

Industrial Complex

Business Center Drive

Grass

Grass

Grass

Parking

GE Aviation
Site Building

East Dock
Area

Parking

Highland Avenue

Industrial Complex

See Figure 3
for Detail

Stormwater
Catch Basin

Industrial Complex

Industrial Complex

N

0 FEET 100
SCALE

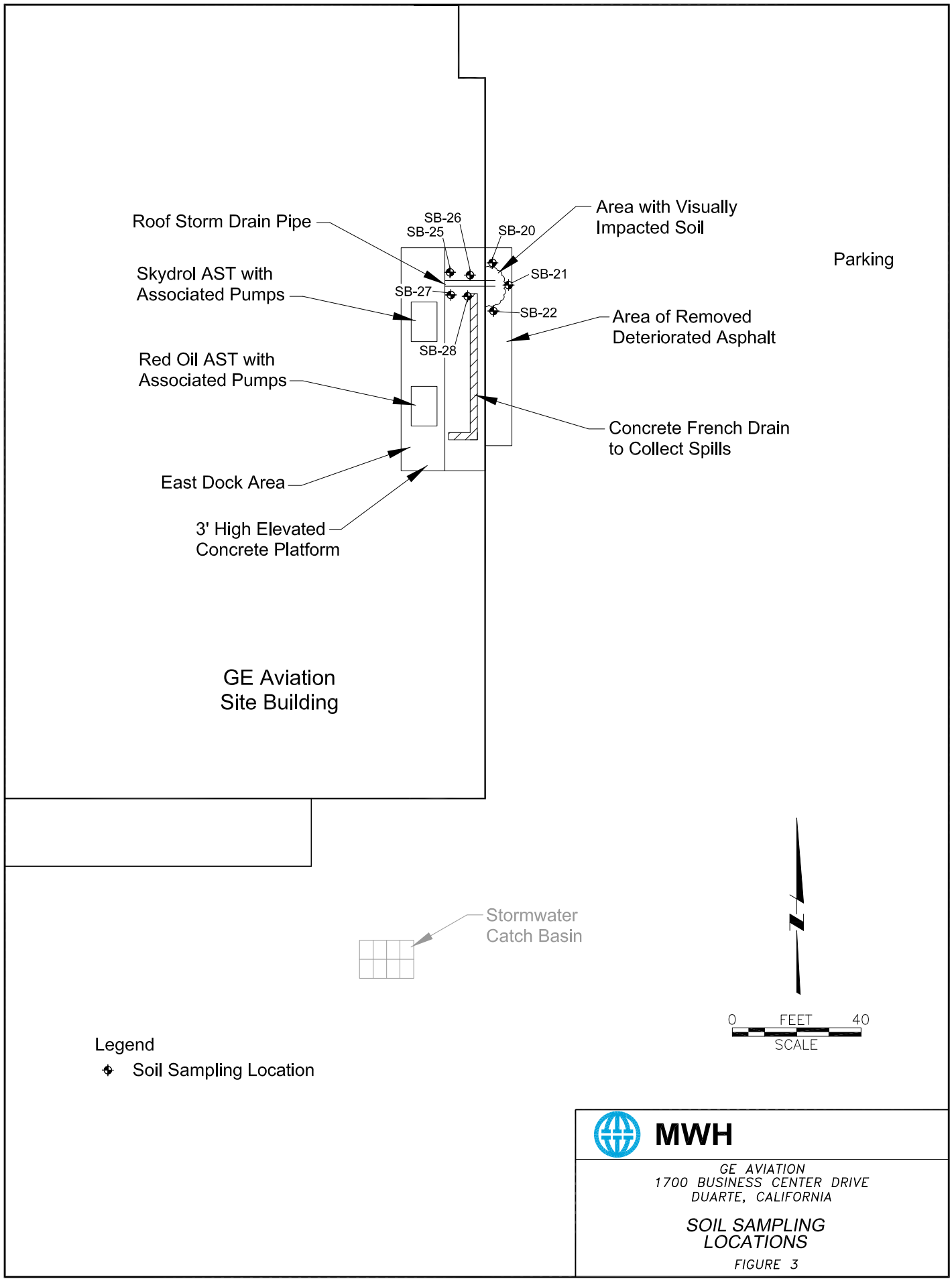
FILE No. CAD MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN 7 23 12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SITE PLAN

FIGURE 2



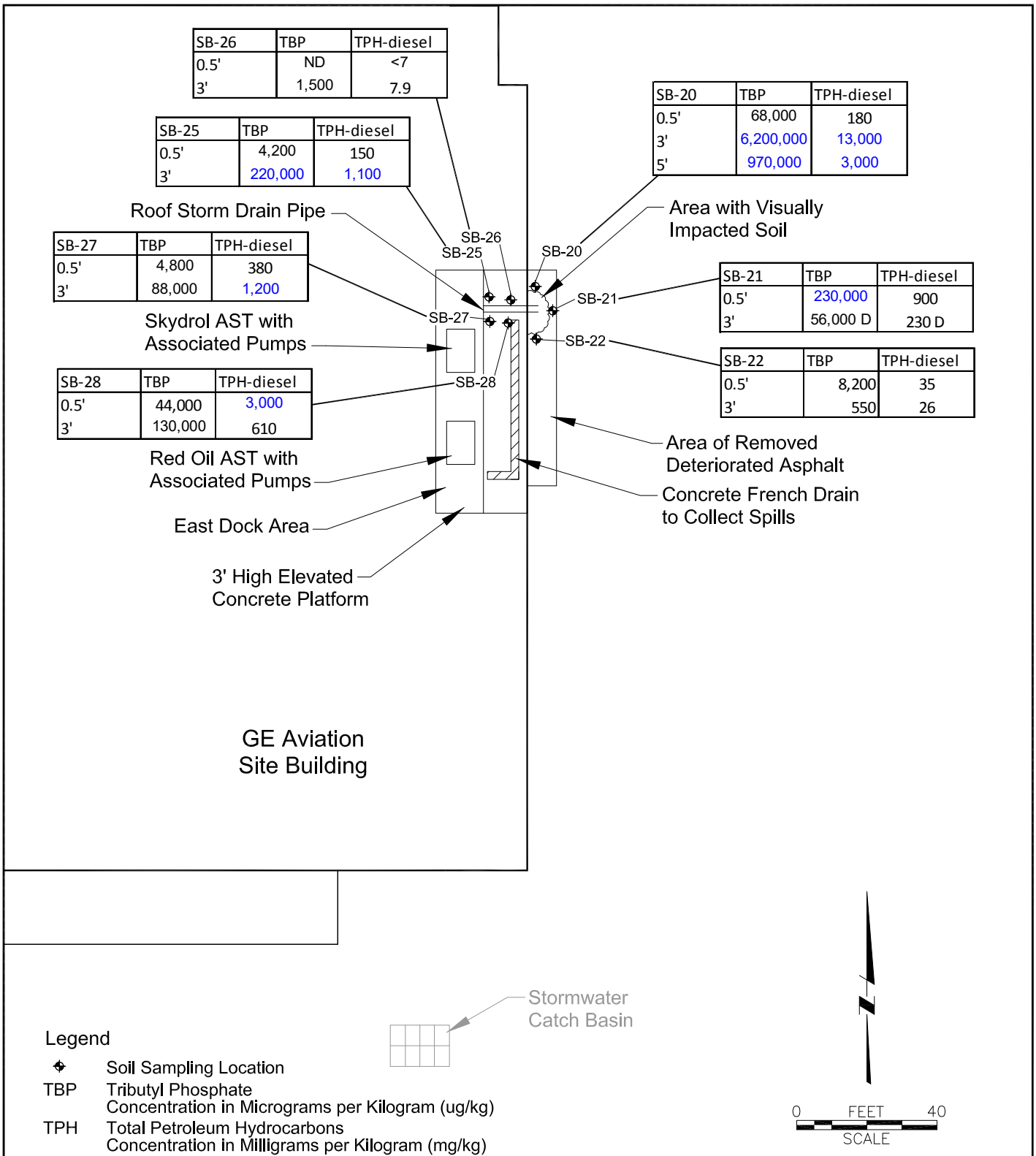
FILE No. CAD MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN 7 23 12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SOIL SAMPLING LOCATIONS

FIGURE 3



Legend

⌖	Soil Sampling Location
TBP	Tributyl Phosphate Concentration in Micrograms per Kilogram (ug/kg)
TPH	Total Petroleum Hydrocarbons Concentration in Milligrams per Kilogram (mg/kg)
1,010	TPH Concentration Above RWQCB Maximum Soil Screening Level of 1,000 mg/kg
220,000	TBP Concentration Above EPA Industrial Regional Screening Level (RSL) of 190,000 ug/kg
<	Not Detected Above the Detection Limit Shown
D	Duplicate Sample
ND	Not Detected

FILE No. CAD_MLUEBKE\GE_PROJECTS\GE_DUARTE\TPH_IN_SOIL_9_12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

TOTAL PETROLEUM HYDROCARBONS (TPHs) & TENTATIVELY IDENTIFIED COMPOUNDS (TICs) CONCENTRATIONS IN SOIL

FIGURE 4

APPENDIX A

BORING LOGS

Drilling Log

MWH

Soil Boring **SB-20**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *6.5 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/10/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	1.3	SB-20-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, some pea gravel (fill).	
2	8.1	SB-20-3 100%			SP SM	SAND w/silt and gravel, dark greyish brown (2.5Y 4/2), dry, fine to coarse sand, gravel up to 3", subrounded to round.	
4	3.2	SB-20-5 100%			GP	GRAVEL/COBBLES w/sand, dry, fine sand, trace medium and coarse sand.`	
6						Refusal at 6.5'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-21**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *10.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	2.1	SB-21-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coase sand, some pea gravel (fill).	
2	2.8	SB-21-3 100%			SP SM	SAND w/silt and gravel, very dark greyish brown (10YR 3/2), dry, predominantly coarse with few fine and medium graines, subrounded gravel up to 2.5".	
4	2.8	SB-21-5 100%					
6						At 6.5', increase in gravel content.	
8					GP	GRAVEL w/sand, very dark greyish brown (10YR 3/2), dry, very dense, fine to coarse sand, little silt, difficult drilling.	
10	1.1	SB-21-10 100%	41 40 37			End of boring = 10'.	
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-22**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *7.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/10/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	1.8	SB-22-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, predominantly fine grained, subangular pea gravel (fill).	
2	2.8	SB-22-3 100%					
4					SP	SAND w/gravel, very dark greyish brown (10YR 3/2), dry, gravel is fine to coarse, subrounded, up to 3".	
	4.0	SB-22-5 100%					
6					GP	GRAVEL and COBBLES w/silt, very dark greyish brown (10YR 3/2), dry, difficult drilling	
						Refusal at 7'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-25**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *3.5 ft* Borehole Diameter *4.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.1	SB-25-0.5 100%			SP SM	Concrete. SAND w/silt, brown (10YR 4/3), moist, fine to coarse, predominantly fine sand, few gravel.	
2	0.0	SB-25-3 100%			GP	GRAVEL and COBBLES w/sand, very dark greyish brown (10YR 3/2), dry, cobbles up to 10".	
4						Refusal at 3.5'.	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

Drilling Log

MWH

Soil Boring **SB-26**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *6.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Concrete.	
	1.7	SB-26-0.5 100%			ML	Sandy SILT w/gravel, dark brown (7.5YR 3/2).	
2	0.0	SB-26-3 100%			SP SM	SAND w/silt and gravel, brown (10YR 5/3), dry, predominantly fine to medium sand, few coarse grains, coarse subrounded gravel, some cobbles up to 11".	
4	0.0	SB-26-5 100%			GP	GRAVEL w/sand, brown (10YR 5/3), dry, coarse subrounded gravel, sand is fine to coarse, cobbles up to 11".	
6						Refusal at 6'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-27**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *4.0 ft* Borehole Diameter *4.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Concrete.	
	3.5	SB-27-0.5 100%			SM	Silty SAND w/gravel, brown (10YR 4/3), dry, fine to coarse sand, predominantly fine, coarse subrounded gravel up to 3".	
2	3.7	SB-27-3 100%			GP	GRAVEL w/sand, dark greyish brown (2.5Y 4/2), coarse gravel up to 3", cobbles up to 7".	
4						Refusal at 4'.	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-28**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *3.5 ft* Borehole Diameter *NA* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.0	SB-28-0.5 100%			SM	Concrete. Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to medium sand, trace coarse sand, gravel up to 2".	
2	0.0	SB-28-3 100%			GP	GRAVEL w/sand, dark greyish brown (2.5Y 4/2), dry, fine to coarse subrounded gravel up to 3", cobbles up to 10".	
4						Refusal at 3.5".	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

APPENDIX B

DATA ADEQUACY EVALUATION REPORT

M E M O R A N D U M

MWH

Data Validation Report

To: Michael Flaugher – PAS
From: Sarah Von Raesfeld – WCK
Report Reference: TestAmerica Laboratories Inc. SDGs 440-19898-1 and 440-20036-1

Date: September 17, 2012
Site: GE - Duarte
Job Number: 10501103
File Reference:

This data validation report has been prepared for the above referenced site and summarizes the review of analytical data submitted by TestAmerica Laboratories, Inc. located in Irvine, California. Samples were collected August 9-10, 2012 as part of the Site Investigation conducted in Duarte, California. Eighteen (18) primary field samples, two (2) field duplicates, and two (2) field quality control (QC) samples were submitted. The following samples were submitted as field duplicate pairs:

Duplicate	*Primary Sample*
DUP-1	SB-21-3
DUP-2	SB-23-3

Samples were analyzed by one or more of the following methods:

- Semi-volatile organic compounds (SVOCs) by United States Environmental Protection Agency (USEPA) Method SW8270C
- Title 22 Metals (no Hg) by USEPA Method SW6010B
- Diesel range organics (DRO), C13-C22 and C23-C40, by USEPA Method SW8015B
- Gasoline range organics (GRO), C4-C12), by USEPA Method SW8015B
- Hexavalent chromium by USEPA Methods SW7199 and SW7196A

Results were reviewed in accordance with the appropriate methods listed above. In addition, the USEPA Contract Laboratory Program National Functional Guidelines for Organic (USEPA 2008) and Inorganic (USEPA 2010) Data Review was used to provide overall guidance for the validation process. The data review included an evaluation of the following QC parameters based on standard performance criteria presented in these documents.

- Analytical Holding Times/Sample Preservation
- Method Blanks and Equipment Rinse Blanks
- Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Performance

- Surrogate Percent Recovery
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Performance
- Field Duplicate Comparison
- Detection Limits

Summary of Findings:

Data were qualified as necessary based on the data validation process described above. Qualified results are listed in Table 1. All samples were analyzed according to the accompanying chains of custody (COCs) and all analytical holding times were met.

QC data were reviewed for laboratory and instrument precision and accuracy from LCS/LCSD recoveries and relative percent differences (RPDs), MS/MSD sample recoveries and RPDs, lab duplicate RPDs, and surrogate recoveries (organic analyses). All precision and accuracy QC elements were found to be within acceptable limits with the following exceptions:

- The surrogate recoveries associated with the GRO analysis of SB-25-3, SB-20-3, and DUP-2 were less than the lower control limit. GRO was not detected in SB-25-3 and DUP-2 and was qualified as an estimated non-detect (UJ) at the method detection limit, with a low bias. GRO was detected in SB-20-3 and was qualified as estimated (J) with a low bias.

- The LCS/LCSD percent recoveries associated with the SVOC analysis of two equipment rinse blanks were less than the lower control limit for 17 compounds. All of the SVOCs were not detected and were qualified as estimated non-detects (UJ) at the method detection limit, with a low bias.

- The MS/MSD percent recoveries associated with the metals analysis of SB-21-0.5 were less than the lower control limit for antimony and barium. Both metals were detected in the sample and were qualified as estimated (J) with a low bias. Additionally, barium was qualified as estimated (J) because the MS percent recovery was high, the MSD percent recovery was low, and the MS/MSD RPD was greater than the laboratory-established control limit.

- The MS/MSD percent recoveries associated with the SVOC analysis of SB-26-3 were less than the lower control limit for benzidine. Benzidine was not detected in the sample and was qualified as an estimated non-detect (UJ) with a low bias.

Field sampling precision was also evaluated by using the calculated RPD between results reported for the field duplicate pairs, which are listed above. All field duplicate met the control limit of 30 with the exception of antimony and cadmium in the field duplicate pair SB-20-3 / DUP-2. These results were qualified as estimated (J) in the primary field sample, as listed in Table 1.

No target analytes were detected in any method blank or equipment rinse blank samples with the following exceptions:

- The method blank associated with the SVOC analysis of all soil samples contained 4-

hydroxy-4-methyl-2-pentanone. 4-Hydroxy-4-methyl-2-pentanone was detected in ten samples as a tentatively identified compound (TICs); since this compound is a TIC and does not have a reporting limit, the results were qualified as not detected at the estimated sample concentration (UJ) with a high bias.

- The method blank associated with the metals analysis of one equipment rinse blank sample contained arsenic. Arsenic was detected in the sample at a concentration that was below the reporting limit; the result was qualified as not detected at the reporting limit (U) with no bias.

Sample dilutions for all analyses were performed appropriately with respect to the analyte present in the highest concentration. All results that were reported had the lowest dilution factor possible while still detected within the calibration range of the instrument.

All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes.

TABLE 1

SUMMARY OF QUALIFIED DATA
GE AVIATION
DUARTE, CALIFORNIA

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flag	Bias	Comment
SB-27-0.5	440-19898-1	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 6,700	µg/kg	UJ	High	TIC; MB Contamination
SB-27-3	440-19898-2	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 7,500	µg/kg	UJ	High	TIC; MB Contamination
SB-28-3	440-19898-4	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 7,100	µg/kg	UJ	High	TIC; MB Contamination
SB-25-0.5	440-19898-5	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 6,800	µg/kg	UJ	High	TIC; MB Contamination
SB-26-0.5	440-19898-6	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,000	µg/kg	UJ	High	TIC; MB Contamination
SB-26-3	440-19898-7	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,700	µg/kg	UJ	High	TIC; MB Contamination
SB-26-3	440-19898-7	Soil	EPA 8270C	Benzidine	< 660	µg/kg	UJ	Low	MS/MSD %R < LCL
SB-25-3	440-19898-8	Soil	EPA 8015B	GRO (C4-C12)	< 150	µg/kg	UJ	Low	Surrogate %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2,6-Dinitrotoluene	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2-Chloronaphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2-Nitroaniline	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	3,3'-Dichlorobenzidine	< 7.1	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	4-Bromophenyl phenyl ether	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	4-Chlorophenyl phenyl ether	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Acenaphthene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Benzo[a]anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Bis(2-ethylhexyl) phthalate	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Chrysene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Dibenzofuran	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Fluorene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Hexachlorobenzene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Naphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	n-Nitrosodiphenylamine	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Phenanthrene	< 3.3	µg/L	UJ	Low	LCS/LCSD %R < LCL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Antimony	1.4	mg/kg	J	Low	MS/MSD %R < LCL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Barium	86	mg/kg	J	NDT	MS %R > UCL; MSD %R < LCL; MS/MSD RPD > CL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Zinc	69	mg/kg	J	Low	MS/MSD %R < LCL
SB-22-0.5	440-20036-6	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,500	µg/kg	UJ	High	TIC; MB Contamination
SB-22-3	440-20036-7	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,200	µg/kg	UJ	High	TIC; MB Contamination
SB-20-0.5	440-20036-8	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,600	µg/kg	UJ	High	TIC; MB Contamination
SB-20-3	440-20036-10	Soil	EPA 8015B	GRO (C4-C12)	230	µg/kg	J	Low	Surrogate %R < LCL
SB-20-3	440-20036-10	Soil	EPA 6010B	Antimony	1.0	mg/kg	J	NDT	FD RPD > CL
SB-20-3	440-20036-10	Soil	EPA 6010B	Cadmium	0.41	mg/kg	J	NDT	FD RPD > CL
DUP-1	440-20036-12	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,200	µg/kg	UJ	High	TIC; MB Contamination
DUP-2	440-20036-13	Soil	EPA 8015B	GRO (C4-C12)	< 140	µg/kg	UJ	Low	Surrogate %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2,6-Dinitrotoluene	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2-Chloronaphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2-Nitroaniline	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	3,3'-Dichlorobenzidine	< 7.2	µg/L	UJ	Low	LCS/LCSD %R < LCL

TABLE 1

SUMMARY OF QUALIFIED DATA
GE AVIATION
DUARTE, CALIFORNIA

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flag	Bias	Comment
EB-081012	440-20036-14	Water	EPA 8270C	4-Bromophenyl phenyl ether	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	4-Chlorophenyl phenyl ether	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Acenaphthene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Benzo[a]anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Bis(2-ethylhexyl) phthalate	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Chrysene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Dibenzofuran	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Fluorene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Hexachlorobenzene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Naphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	n-Nitrosodiphenylamine	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Phenanthrene	< 3.3	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 6010B	Arsenic	< 0.01	mg/L	U	NA	MB Contamination

Notes:

µg/kg- microgram per kilogram

µg/L - microgram per liter

mg/kg- milligram per kilogram

mg/L - milligram per liter

J - result is estimated.

U - the result is not detected above the reporting limit

UJ - the analyte is not detected; however, the reporting limit or method detection limit is qualified as estimated

%R - percent recover

CL - control limit

EPA - Environmental Protection Agency

FD - field duplicate

GRO - gasoline range organics

LCL - lower control limit

LCS/LCSD - laboratory control sample/laboratory control sample duplicate

MB - method blank

MS/MSD - matrix spike/matrix spike duplicate

NA - not applicable

NDT - not determined

RPD - relative percent difference

TIC - tentatively identified compound

UCL - upper control limit

APPENDIX C

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-19898-1
Client Project/Site: GE duarte

For:
MWH Americas Inc
618 Michillinda Avenue, Suite 200
Arcadia, California 91007

Attn: Mr. Michael Flaugher

Authorized for release by:
8/23/2012 3:14:28 PM

Jonathan Bousselaire
Project Manager I
jonathan.bousselaire@testamericainc.com

Table of Contents

Sample Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-19898-1	SB-27-0.5	Solid	08/09/12 09:58	08/09/12 18:05
440-19898-2	SB-27-3	Solid	08/09/12 10:23	08/09/12 18:05
440-19898-3	SB-28-0.5	Solid	08/09/12 10:48	08/09/12 18:05
440-19898-4	SB-28-3	Solid	08/09/12 11:02	08/09/12 18:05
440-19898-5	SB-25-0.5	Solid	08/09/12 11:22	08/09/12 18:05
440-19898-6	SB-26-0.5	Solid	08/09/12 11:38	08/09/12 18:05
440-19898-7	SB-26-3	Solid	08/09/12 12:02	08/09/12 18:05
440-19898-8	SB-25-3	Solid	08/09/12 12:24	08/09/12 18:05
440-19898-9	EB-080912	Water	08/09/12 15:30	08/09/12 18:05

Job ID: 440-19898-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-19898-1

Comments
No additional comments.

Receipt
The samples were received on 8/9/2012 6:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44471 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45901. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 45901 exceeded control limits for several analytes. Low recoveries are possibly due to less than optimal extraction conditions such as fluctuations in heating mantle temp, condenser water temp, ambient light, angle of apparatus, spike solvent, etc. Holdtimes for many samples have expired.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: SB-25-3 (440-19898-8).

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: SB-25-3 (440-19898-8). Re-extraction and/or re-analysis was performed with concurring results. The second analysis has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45524. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Due to the level of dilution required for the following samples, surrogate recoveries do not provide useful information: SB-25-3 (440-19898-8), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4).

Method(s) 8015B: Hydrocarbon result partly due to individual peaks in quantitation range.

No other analytical or quality issues were noted.

Metals

Method(s) 6010: Per Client request, metals have been cancelled, per Joan Dolmat

General Chemistry
No analytical or quality issues were noted.

Job ID: 440-19898-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Organic Prep

Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-26-0.5 (440-19898-6), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-0.5
Date Collected: 08/09/12 09:58
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1300	200	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,2-Dichlorobenzene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,2-Diphenylhydrazine(as Azobenzene)	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,3-Dichlorobenzene	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,4-Dichlorobenzene	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4,5-Trichlorophenol	ND		1300	520	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4,6-Trichlorophenol	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dichlorophenol	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dimethylphenol	ND		1300	400	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dinitrophenol	ND		2600	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dinitrotoluene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,6-Dinitrotoluene	ND		1300	380	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Chloronaphthalene	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Chlorophenol	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Methylnaphthalene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Methylphenol	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Nitroaniline	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Nitrophenol	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3,3'-Dichlorobenzidine	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3-Nitroaniline	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4,6-Dinitro-2-methylphenol	ND		1700	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Bromophenyl phenyl ether	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chloro-3-methylphenol	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chloroaniline	ND		1300	480	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chlorophenyl phenyl ether	ND		1300	340	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3-Methylphenol + 4-Methylphenol	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Nitroaniline	ND		3300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Nitrophenol	ND		3300	560	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Acenaphthene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Acenaphthylene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Aniline	ND		1700	340	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Anthracene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzidine	ND		2600	2600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[a]anthracene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[a]pyrene	ND		1300	220	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[b]fluoranthene	ND		1300	200	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[g,h,i]perylene	ND		1300	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[k]fluoranthene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzoic acid	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzyl alcohol	ND		1300	800	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-chloroethoxy)methane	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-chloroethyl)ether	ND		680	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-ethylhexyl) phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Butyl benzyl phthalate	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Chrysene	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dibenz(a,h)anthracene	ND		1700	400	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dibenzofuran	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Diethyl phthalate	ND		1300	380	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dimethyl phthalate	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Di-n-butyl phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2

Client Sample ID: SB-27-0.5
Date Collected: 08/09/12 09:58
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Fluoranthene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Fluorene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorobenzene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorobutadiene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorocyclopentadiene	ND		3300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachloroethane	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Indeno[1,2,3-cd]pyrene	ND		1300	520	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Isophorone	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Naphthalene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Nitrobenzene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
N-Nitrosodi-n-propylamine	ND		1000	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
N-Nitrosodiphenylamine	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Pentachlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Phenanthrene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Phenol	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Pyrene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
bis (2-chloroisopropyl) ether	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*6700*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Tributyl phosphate	*4800*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
4-(Trifluoromethyl)mandelic acid	*10000*	*T J N*	*ug/Kg*		*8.74*	*395-35-7*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Diphenyl phosphate	*2900*	*T J N*	*ug/Kg*		*9.55*	*838-85-7*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
1-Octadecene	*3900*	*T J N*	*ug/Kg*		*11.21*	*112-88-9*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Nonadecane, 9-methyl-	*7400*	*T J N*	*ug/Kg*		*11.31*	*13287-24-6*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Octadecane	*8100*	*T J N*	*ug/Kg*		*11.56*	*593-45-3*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
9-Chloro-4,5-dihydro-4-[3,4,5-trimethoxy	*4600*	*T J N*	*ug/Kg*		*11.60*	*1000212-48-1*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Benzene, [(trifluoromethyl)sulfonyl]-	*14000*	*T J N*	*ug/Kg*		*11.85*	*426-58-4*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Eicosane	*15000*	*T J N*	*ug/Kg*		*11.90*	*112-95-8*	*08/10/12 08:51*	*08/13/12 05:55*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 125*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Terphenyl-d14 (Surr)	*79*		*40 - 135*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Phenol-d6 (Surr)	*63*		*35 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*65 - 140*		*08/13/12 17:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**380**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 10:49	1
C23-C40	**360**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 10:49	1

Client Sample ID: SB-27-0.5

Lab Sample ID: 440-19898-1

Date Collected: 08/09/12 09:58

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	98		40 - 140	08/15/12 09:03	08/17/12 10:49	1

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2600	400	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,2-Dichlorobenzene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,2-Diphenylhydrazine(as Azobenzene)	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,3-Dichlorobenzene	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,4-Dichlorobenzene	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4,5-Trichlorophenol	ND		2600	1000	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4,6-Trichlorophenol	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dichlorophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dimethylphenol	ND		2600	800	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dinitrophenol	ND		5300	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dinitrotoluene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,6-Dinitrotoluene	ND		2600	760	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Chloronaphthalene	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Chlorophenol	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Methylnaphthalene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Methylphenol	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Nitroaniline	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Nitrophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3,3'-Dichlorobenzidine	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3-Nitroaniline	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4,6-Dinitro-2-methylphenol	ND		3400	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Bromophenyl phenyl ether	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chloro-3-methylphenol	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chloroaniline	ND		2600	960	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chlorophenyl phenyl ether	ND		2600	680	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3-Methylphenol + 4-Methylphenol	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Nitroaniline	ND		6600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Nitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Acenaphthene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Acenaphthylene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Aniline	ND		3400	680	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Anthracene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzidine	ND		5300	5300	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[a]anthracene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[a]pyrene	ND		2600	440	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[b]fluoranthene	ND		2600	400	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[g,h,i]perylene	ND		2600	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[k]fluoranthene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzoic acid	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzyl alcohol	ND		2600	1600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-chloroethoxy)methane	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-chloroethyl)ether	ND		1400	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-ethylhexyl) phthalate	**1400**	**J**	2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-3
Date Collected: 08/09/12 10:23
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Chrysene	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dibenz(a,h)anthracene	ND		3400	800	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dibenzofuran	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Diethyl phthalate	ND		2600	760	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dimethyl phthalate	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-butyl phthalate	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-octyl phthalate	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Fluoranthene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Fluorene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorobenzene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorobutadiene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorocyclopentadiene	ND		6600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachloroethane	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Indeno[1,2,3-cd]pyrene	ND		2600	1000	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Isophorone	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Naphthalene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Nitrobenzene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
N-Nitrosodi-n-propylamine	ND		2000	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
N-Nitrosodiphenylamine	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Pentachlorophenol	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Phenanthrene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Phenol	**6700**		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Pyrene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
bis (2-chloroisopropyl) ether	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7500*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Tributyl phosphate	*88000*	*T J N*	*ug/Kg*		*7.87*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2,3,4,5-Tetrafluorobenzonitrile	*190000*	*T J N*	*ug/Kg*		*8.74*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
6,10,13-Trimethyltetradecanol	*12000*	*T J N*	*ug/Kg*		*9.32*	*1000131-71-0*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Diphenyl phosphate	*55000*	*T J N*	*ug/Kg*		*9.53*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
1-Eicosene	*7100*	*T J N*	*ug/Kg*		*11.17*	*3452-7-1*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*6700*	*T J N*	*ug/Kg*		*11.27*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*13000*	*T J N*	*ug/Kg*		*11.51*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
3-Acetyl-1-(3,4-dimethoxyphenyl) -5-ethyl	*5000*	*T J N*	*ug/Kg*		*11.56*	*90140-65-1*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*25000*	*T J N*	*ug/Kg*		*11.86*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2-Fluorophenol (Surr)	*64*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Nitrobenzene-d5 (Surr)	*62*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Terphenyl-d14 (Surr)	*82*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Phenol-d6 (Surr)	*71*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/13/12 18:05	1

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*65 - 140*		*08/13/12 18:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	1200		100	70	mg/Kg		08/15/12 09:03	08/17/12 11:30	10
C23-C40	320		100	70	mg/Kg		08/15/12 09:03	08/17/12 11:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*117*		*40 - 140*	*08/15/12 09:03*	*08/17/12 11:30*	*10*

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 06:37	5

Client Sample ID: SB-28-0.5
Date Collected: 08/09/12 10:48
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-3
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*44000*	*T J N*	*ug/Kg*		*7.86*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
3-Hydroxy-4-phenyl-5-butyl-1,2,4-triazol	*120000*	*T J N*	*ug/Kg*		*8.73*	*66921-14-0*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Diphenyl phosphate	*33000*	*T J N*	*ug/Kg*		*9.53*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:37*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Terphenyl-d14 (Surr)	*81*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Phenol-d6 (Surr)	*61*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/13/12 18:32	1

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*65 - 140*		*08/13/12 18:32*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	3000		500	350	mg/Kg		08/15/12 09:03	08/18/12 00:54	20
C23-C40	1100		500	350	mg/Kg		08/15/12 09:03	08/18/12 00:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*102*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:54*	*20*

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 06:58	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-28-3
Date Collected: 08/09/12 11:02
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-4
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7100*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Tributyl phosphate	*130000*	*T J N*	*ug/Kg*		*7.87*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,3,4,5-Tetrafluorobenzonitrile	*280000*	*T J N*	*ug/Kg*		*8.75*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,4-Hexadienedioic acid	*16000*	*T J N*	*ug/Kg*		*9.32*	*505-70-4*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Diphenyl phosphate	*110000*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Propanenitrile, 2-chloro-3-(phenylsulfon	*7200*	*T J N*	*ug/Kg*		*11.77*	*1424-50-6*	*08/10/12 08:51*	*08/13/12 06:58*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2-Fluorophenol (Surr)	*60*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Nitrobenzene-d5 (Surr)	*61*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Terphenyl-d14 (Surr)	*92*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Phenol-d6 (Surr)	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/13/12 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*65 - 140*		*08/13/12 18:59*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	610		100	70	mg/Kg		08/15/12 09:03	08/17/12 12:11	10
C23-C40	170		100	70	mg/Kg		08/15/12 09:03	08/17/12 12:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*86*		*40 - 140*	*08/15/12 09:03*	*08/17/12 12:11*	*10*

Client Sample ID: SB-25-0.5

Lab Sample ID: 440-19898-5

Date Collected: 08/09/12 11:22

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-0.5
Date Collected: 08/09/12 11:22
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-5
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*6800*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Tributyl phosphate	*4200*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
4-(Trifluoromethyl)mandelic acid	*13000*	*T J N*	*ug/Kg*		*8.73*	*395-35-7*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Diphenyl phosphate	*3100*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 07:19*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
2-Fluorophenol (Surr)	*59*		*25 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 125*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Terphenyl-d14 (Surr)	*96*		*40 - 135*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Phenol-d6 (Surr)	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*

Client Sample ID: SB-25-0.5
Date Collected: 08/09/12 11:22
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-5
Matrix: Solid

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*65 - 140*		*08/13/12 19:25*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	150		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 12:31	1
C23-C40	250		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*95*		*40 - 140*	*08/15/12 09:03*	*08/17/12 12:31*	*1*

Client Sample ID: SB-26-0.5
Date Collected: 08/09/12 11:38
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-26-0.5
Date Collected: 08/09/12 11:38
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Phenol	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8000*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
4-(Trifluoromethyl)mandelic acid	*570*	*T J N*	*ug/Kg*		*8.72*	*395-35-7*	*08/10/12 08:51*	*08/13/12 07:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
2-Fluorophenol (Surr)	*71*		*25 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 125*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Nitrobenzene-d5 (Surr)	*67*		*30 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Terphenyl-d14 (Surr)	*104*		*40 - 135*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Phenol-d6 (Surr)	*75*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/13/12 19:52	1

Client Sample ID: SB-26-0.5 — **Lab Sample ID: 440-19898-6**
Date Collected: 08/09/12 11:38 — **Matrix: Solid**
Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*08/13/12 19:52*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 13:12	1
C23-C40	**54**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*40 - 140*	*08/15/12 09:03*	*08/17/12 13:12*	*1*

Client Sample ID: SB-26-3 — **Lab Sample ID: 440-19898-7**
Date Collected: 08/09/12 12:02 — **Matrix: Solid**
Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-26-3
Date Collected: 08/09/12 12:02
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Phenol	**150**	**J**	330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8700*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Tributyl phosphate	*1500*	*T J N*	*ug/Kg*		*7.86*	*126-73-8*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
4-(Trifluoromethyl)mandelic acid	*5200*	*T J N*	*ug/Kg*		*8.72*	*395-35-7*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Diphenyl phosphate	*1300*	*T J N*	*ug/Kg*		*9.52*	*838-85-7*	*08/10/12 08:51*	*08/13/12 04:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
2-Fluorophenol (Surr)	*77*		*25 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 125*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Nitrobenzene-d5 (Surr)	*72*		*30 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Terphenyl-d14 (Surr)	*81*		*40 - 135*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Phenol-d6 (Surr)	*80*		*35 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 20:19	1

Client Sample ID: SB-26-3

Lab Sample ID: 440-19898-7

Date Collected: 08/09/12 12:02

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*08/13/12 20:19*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	7.9		5.0	3.5	mg/Kg		08/15/12 09:03	08/17/12 13:53	1
C23-C40	5.2		5.0	3.5	mg/Kg		08/15/12 09:03	08/17/12 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*08/15/12 09:03*	*08/17/12 13:53*	*1*

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		33000	5000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,2-Dichlorobenzene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,2-Diphenylhydrazine(as Azobenzene)	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,3-Dichlorobenzene	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,4-Dichlorobenzene	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4,5-Trichlorophenol	ND		33000	13000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4,6-Trichlorophenol	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dichlorophenol	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dimethylphenol	ND		33000	10000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dinitrophenol	ND		66000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dinitrotoluene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,6-Dinitrotoluene	ND		33000	9500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Chloronaphthalene	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Chlorophenol	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Methylnaphthalene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Methylphenol	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Nitroaniline	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Nitrophenol	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3,3'-Dichlorobenzidine	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3-Nitroaniline	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4,6-Dinitro-2-methylphenol	ND		42000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Bromophenyl phenyl ether	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chloro-3-methylphenol	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chloroaniline	ND		33000	12000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chlorophenyl phenyl ether	ND		33000	8500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3-Methylphenol + 4-Methylphenol	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Nitroaniline	ND		83000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Nitrophenol	ND		83000	14000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Acenaphthene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Acenaphthylene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Aniline	ND		42000	8500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Anthracene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzidine	ND		66000	66000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[a]anthracene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[a]pyrene	ND		33000	5500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-3
Date Collected: 08/09/12 12:24
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		33000	5000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[g,h,i]perylene	ND		33000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[k]fluoranthene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzoic acid	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzyl alcohol	ND		33000	20000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethoxy)methane	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethyl)ether	ND		17000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-ethylhexyl) phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Butyl benzyl phthalate	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Chrysene	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dibenz(a,h)anthracene	ND		42000	10000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dibenzofuran	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Diethyl phthalate	ND		33000	9500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dimethyl phthalate	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Di-n-butyl phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Di-n-octyl phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Fluoranthene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Fluorene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorobenzene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorobutadiene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorocyclopentadiene	ND		83000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachloroethane	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Indeno[1,2,3-cd]pyrene	ND		33000	13000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Isophorone	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Naphthalene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Nitrobenzene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodi-n-propylamine	ND		25000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodiphenylamine	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Pentachlorophenol	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Phenanthrene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Phenol	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Pyrene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
bis (2-chloroisopropyl) ether	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*220000*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2,3,4,5-Tetrafluorobenzonitrile	*660000*	*T J N*	*ug/Kg*		*8.74*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Diphenyl phosphate	*160000*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 08:01*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2-Fluorophenol (Surr)	*50*		*25 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/15/12 22:06	1

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*39*	*X*	*65 - 140*		*08/15/12 22:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	1100		120	87	mg/Kg		08/15/12 09:03	08/17/12 09:07	5
C23-C40	1500		120	87	mg/Kg		08/15/12 09:03	08/17/12 09:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*116*		*40 - 140*	*08/15/12 09:03*	*08/17/12 09:07*	*5*

Client Sample ID: EB-080912

Lab Sample ID: 440-19898-9

Date Collected: 08/09/12 15:30

Matrix: Water

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,2-Dichlorobenzene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,3-Dichlorobenzene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,4-Dichlorobenzene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4,5-Trichlorophenol	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4,6-Trichlorophenol	ND		19	4.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dichlorophenol	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dimethylphenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dinitrophenol	ND		19	7.6	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dinitrotoluene	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,6-Dinitrotoluene	ND	*	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Chloronaphthalene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Chlorophenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Methylnaphthalene	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Methylphenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Nitroaniline	ND	*	19	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Nitrophenol	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
3,3'-Dichlorobenzidine	ND	*	19	7.1	ug/L		08/16/12 15:58	08/20/12 04:28	1
3-Nitroaniline	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4,6-Dinitro-2-methylphenol	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Bromophenyl phenyl ether	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chloro-3-methylphenol	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chloroaniline	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chlorophenyl phenyl ether	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
3-Methylphenol + 4-Methylphenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Nitroaniline	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Nitrophenol	ND		19	5.2	ug/L		08/16/12 15:58	08/20/12 04:28	1
Acenaphthene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Acenaphthylene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Aniline	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Anthracene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzidine	ND		19	9.5	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[a]anthracene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[a]pyrene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[g,h,i]perylene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[k]fluoranthene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzoic acid	ND		19	9.5	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzyl alcohol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-chloroethoxy)methane	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-chloroethyl)ether	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-ethylhexyl) phthalate	ND	*	48	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Butyl benzyl phthalate	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Chrysene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dibenz(a,h)anthracene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dibenzofuran	ND	*	9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Diethyl phthalate	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dimethyl phthalate	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Di-n-butyl phthalate	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Di-n-octyl phthalate	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Fluoranthene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Fluorene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorobenzene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorobutadiene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorocyclopentadiene	ND		19	4.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachloroethane	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Indeno[1,2,3-cd]pyrene	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Isophorone	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Naphthalene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Nitrobenzene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodi-n-propylamine	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodiphenylamine	ND	*	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pentachlorophenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Phenanthrene	ND	*	9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Phenol	**3.3**	**J**	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pyrene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
bis (2-chloroisopropyl) ether	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/16/12 15:58*	*08/20/12 04:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*50 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
2-Fluorophenol (Surr)	*51*		*30 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*40 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Terphenyl-d14 (Surr)	*63*		*50 - 125*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Phenol-d6 (Surr)	*56*		*35 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**27**	**J**	50	25	ug/L			08/15/12 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/15/12 00:55*	*1*

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.48	0.095	mg/L		08/15/12 13:16	08/15/12 23:57	1
C23-C40	0.11	J	0.48	0.095	mg/L		08/15/12 13:16	08/15/12 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*08/15/12 13:16*	*08/15/12 23:57*	*1*

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-0.5

Lab Sample ID: 440-19898-1

Date Collected: 08/09/12 09:58

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		2			44815	08/13/12 05:55	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.37 g	10 mL	44867	08/13/12 17:38	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 10:49	JR	TAL IRV

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		4			44815	08/13/12 06:16	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.21 g	10 mL	44867	08/13/12 18:05	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 11:30	JR	TAL IRV

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 06:37	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.08 g	10 mL	44867	08/13/12 18:32	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		20			46023	08/18/12 00:54	JR	TAL IRV

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 06:58	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.06 g	10 mL	44867	08/13/12 18:59	RG	TAL IRV
Total/NA	Prep	CA LUFT			29.99 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 12:11	JR	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-0.5

Lab Sample ID: 440-19898-5

Date Collected: 08/09/12 11:22
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 07:19	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.38 g	10 mL	44867	08/13/12 19:25	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 12:31	JR	TAL IRV

Client Sample ID: SB-26-0.5

Lab Sample ID: 440-19898-6

Date Collected: 08/09/12 11:38
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	1 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		1			44815	08/13/12 07:40	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.24 g	10 mL	44867	08/13/12 19:52	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 13:12	JR	TAL IRV

Client Sample ID: SB-26-3

Lab Sample ID: 440-19898-7

Date Collected: 08/09/12 12:02
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	1 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		1			44815	08/13/12 04:10	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.35 g	10 mL	44867	08/13/12 20:19	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	1 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 13:53	JR	TAL IRV

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		50			44815	08/13/12 08:01	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.17 g	10 mL	45520	08/15/12 22:06	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		5			46023	08/17/12 09:07	JR	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1050 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV
Total/NA	Analysis	8270C		1			46371	08/20/12 04:28	AI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	45258	08/15/12 00:55	PH	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	45524	08/15/12 13:16	AD	TAL IRV
Total/NA	Analysis	8015B		1			45426	08/15/12 23:57	RR	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-44471/1-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-44471/1-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Phenol	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7300*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 00:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 125*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Nitrobenzene-d5 (Surr)	*62*		*30 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Terphenyl-d14 (Surr)	*75*		*40 - 135*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Phenol-d6 (Surr)	*64*		*35 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2140		ug/Kg		64	40 - 120
1,2-Dichlorobenzene	3330	2130		ug/Kg		64	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2240		ug/Kg		67	50 - 125
1,3-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
1,4-Dichlorobenzene	3330	2070		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2460		ug/Kg		74	50 - 120
2,4,6-Trichlorophenol	3330	2400		ug/Kg		72	50 - 120
2,4-Dichlorophenol	3330	2450		ug/Kg		73	45 - 120
2,4-Dimethylphenol	3330	2050		ug/Kg		62	40 - 120
2,4-Dinitrophenol	3330	2230		ug/Kg		67	25 - 120
2,4-Dinitrotoluene	3330	2360		ug/Kg		71	55 - 125
2,6-Dinitrotoluene	3330	2400		ug/Kg		72	55 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3330	2210		ug/Kg		66	45 - 120
2-Chlorophenol	3330	2330		ug/Kg		70	40 - 120
2-Methylnaphthalene	3330	2280		ug/Kg		68	45 - 120
2-Methylphenol	3330	2390		ug/Kg		72	40 - 120
2-Nitroaniline	3330	2310		ug/Kg		69	50 - 125
2-Nitrophenol	3330	2390		ug/Kg		72	45 - 120
3,3'-Dichlorobenzidine	3330	2020		ug/Kg		61	20 - 130
3-Nitroaniline	3330	1900		ug/Kg		57	35 - 120
4,6-Dinitro-2-methylphenol	3330	2460		ug/Kg		74	40 - 120
4-Bromophenyl phenyl ether	3330	2340		ug/Kg		70	45 - 120
4-Chloro-3-methylphenol	3330	2400		ug/Kg		72	50 - 125
4-Chloroaniline	3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	3330	2200		ug/Kg		66	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2510		ug/Kg		75	50 - 120
4-Nitroaniline	3330	2020		ug/Kg		61	45 - 125
4-Nitrophenol	3330	2320		ug/Kg		70	40 - 125
Acenaphthene	3330	2170		ug/Kg		65	50 - 120
Acenaphthylene	3330	2440		ug/Kg		73	50 - 120
Aniline	3330	2020		ug/Kg		61	25 - 120
Anthracene	3330	2290		ug/Kg		69	55 - 120
Benzidine	3330	896		ug/Kg		27	20 - 120
Benzo[a]anthracene	3330	2300		ug/Kg		69	55 - 120
Benzo[a]pyrene	3330	2260		ug/Kg		68	50 - 125
Benzo[b]fluoranthene	3330	2260		ug/Kg		68	45 - 125
Benzo[g,h,i]perylene	3330	2590		ug/Kg		78	35 - 130
Benzo[k]fluoranthene	3330	2330		ug/Kg		70	45 - 125
Benzoic acid	3330	1890		ug/Kg		57	20 - 120
Benzyl alcohol	3330	2500		ug/Kg		75	35 - 120
Bis(2-chloroethoxy)methane	3330	2160		ug/Kg		65	45 - 120
Bis(2-chloroethyl)ether	3330	2100		ug/Kg		63	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2160		ug/Kg		65	50 - 130
Butyl benzyl phthalate	3330	2390		ug/Kg		72	50 - 125
Chrysene	3330	2250		ug/Kg		67	55 - 120
Dibenz(a,h)anthracene	3330	2350		ug/Kg		70	40 - 135
Dibenzofuran	3330	2260		ug/Kg		68	55 - 120
Diethyl phthalate	3330	2390		ug/Kg		72	50 - 125
Dimethyl phthalate	3330	2360		ug/Kg		71	50 - 125
Di-n-butyl phthalate	3330	2180		ug/Kg		66	50 - 125
Di-n-octyl phthalate	3330	2440		ug/Kg		73	50 - 135
Fluoranthene	3330	2190		ug/Kg		66	55 - 120
Fluorene	3330	2270		ug/Kg		68	55 - 120
Hexachlorobenzene	3330	2330		ug/Kg		70	50 - 120
Hexachlorobutadiene	3330	2130		ug/Kg		64	40 - 120
Hexachlorocyclopentadiene	3330	2360		ug/Kg		71	30 - 125
Hexachloroethane	3330	2090		ug/Kg		63	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2560		ug/Kg		77	30 - 135
Isophorone	3330	2280		ug/Kg		68	40 - 120
Naphthalene	3330	2170		ug/Kg		65	45 - 120
Nitrobenzene	3330	2160		ug/Kg		65	45 - 120
N-Nitrosodi-n-propylamine	3330	2530		ug/Kg		76	40 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	3330	2390		ug/Kg		72	50 - 120
Pentachlorophenol	3330	2360		ug/Kg		71	40 - 120
Phenanthrene	3330	2250		ug/Kg		67	50 - 120
Phenol	3330	2450		ug/Kg		73	40 - 120
Pyrene	3330	2410		ug/Kg		72	45 - 125
bis (2-chloroisopropyl) ether	3330	2140		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 120*
2-Fluorophenol (Surr)	*71*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 125*
Nitrobenzene-d5 (Surr)	*70*		*30 - 120*
Terphenyl-d14 (Surr)	*76*		*40 - 135*
Phenol-d6 (Surr)	*73*		*35 - 120*

Lab Sample ID: 440-19898-7 MS
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3320	1940		ug/Kg		59	40 - 120
1,2-Dichlorobenzene	ND		3320	1940		ug/Kg		58	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3320	2200		ug/Kg		66	50 - 125
1,3-Dichlorobenzene	ND		3320	1880		ug/Kg		57	35 - 120
1,4-Dichlorobenzene	ND		3320	1920		ug/Kg		58	35 - 120
2,4,5-Trichlorophenol	ND		3320	2420		ug/Kg		73	45 - 120
2,4,6-Trichlorophenol	ND		3320	2340		ug/Kg		71	45 - 120
2,4-Dichlorophenol	ND		3320	2300		ug/Kg		69	45 - 120
2,4-Dimethylphenol	ND		3320	2140		ug/Kg		64	30 - 120
2,4-Dinitrophenol	ND		3320	2240		ug/Kg		67	20 - 120
2,4-Dinitrotoluene	ND		3320	2350		ug/Kg		71	50 - 125
2,6-Dinitrotoluene	ND		3320	2340		ug/Kg		71	50 - 125
2-Chloronaphthalene	ND		3320	2010		ug/Kg		61	45 - 120
2-Chlorophenol	ND		3320	2210		ug/Kg		67	40 - 120
2-Methylnaphthalene	ND		3320	2080		ug/Kg		63	40 - 120
2-Methylphenol	ND		3320	2350		ug/Kg		71	40 - 120
2-Nitroaniline	ND		3320	2320		ug/Kg		70	45 - 120
2-Nitrophenol	ND		3320	2230		ug/Kg		67	40 - 120
3,3'-Dichlorobenzidine	ND		3320	2040		ug/Kg		62	20 - 130
3-Nitroaniline	ND		3320	2030		ug/Kg		61	30 - 120
4,6-Dinitro-2-methylphenol	ND		3320	2440		ug/Kg		73	35 - 120
4-Bromophenyl phenyl ether	ND		3320	2310		ug/Kg		70	45 - 120
4-Chloro-3-methylphenol	ND		3320	2410		ug/Kg		73	50 - 125
4-Chloroaniline	ND		3320	1720		ug/Kg		52	20 - 120
4-Chlorophenyl phenyl ether	ND		3320	2110		ug/Kg		64	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3320	2450		ug/Kg		74	50 - 120
4-Nitroaniline	ND		3320	2120		ug/Kg		64	40 - 125
4-Nitrophenol	ND		3320	2380		ug/Kg		72	35 - 125
Acenaphthene	ND		3320	2050		ug/Kg		62	45 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MS
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		3320	2260		ug/Kg		68	45 - 120
Aniline	ND		3320	1930		ug/Kg		58	25 - 120
Anthracene	ND		3320	2320		ug/Kg		70	55 - 120
Benzidine	ND		3320	ND	F	ug/Kg		0	20 - 120
Benzo[a]anthracene	ND		3320	2310		ug/Kg		70	50 - 120
Benzo[a]pyrene	ND		3320	2350		ug/Kg		71	45 - 125
Benzo[b]fluoranthene	ND		3320	2460		ug/Kg		74	45 - 125
Benzo[g,h,i]perylene	ND		3320	3080		ug/Kg		93	25 - 130
Benzo[k]fluoranthene	ND		3320	2570		ug/Kg		77	45 - 125
Benzoic acid	ND		3320	2540		ug/Kg		77	20 - 120
Benzyl alcohol	ND		3320	2010		ug/Kg		61	20 - 120
Bis(2-chloroethoxy)methane	ND		3320	1970		ug/Kg		59	45 - 120
Bis(2-chloroethyl)ether	ND		3320	1960		ug/Kg		59	35 - 110
Bis(2-ethylhexyl) phthalate	ND		3320	2240		ug/Kg		67	45 - 130
Butyl benzyl phthalate	ND		3320	2520		ug/Kg		76	45 - 125
Chrysene	ND		3320	2260		ug/Kg		68	55 - 120
Dibenz(a,h)anthracene	ND		3320	2450		ug/Kg		74	25 - 135
Dibenzofuran	ND		3320	2140		ug/Kg		65	50 - 120
Diethyl phthalate	ND		3320	2410		ug/Kg		72	50 - 125
Dimethyl phthalate	ND		3320	2250		ug/Kg		68	45 - 125
Di-n-butyl phthalate	ND		3320	2190		ug/Kg		66	50 - 125
Di-n-octyl phthalate	ND		3320	2630		ug/Kg		79	50 - 135
Fluoranthene	ND		3320	2130		ug/Kg		64	45 - 120
Fluorene	ND		3320	2180		ug/Kg		66	50 - 120
Hexachlorobenzene	ND		3320	2270		ug/Kg		68	50 - 120
Hexachlorobutadiene	ND		3320	1930		ug/Kg		58	40 - 120
Hexachlorocyclopentadiene	ND		3320	1980		ug/Kg		60	20 - 125
Hexachloroethane	ND		3320	1920		ug/Kg		58	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3320	2810		ug/Kg		85	20 - 130
Isophorone	ND		3320	2090		ug/Kg		63	40 - 120
Naphthalene	ND		3320	1960		ug/Kg		59	40 - 120
Nitrobenzene	ND		3320	1970		ug/Kg		59	40 - 120
N-Nitrosodi-n-propylamine	ND		3320	2370		ug/Kg		71	35 - 120
N-Nitrosodiphenylamine	ND		3320	2390		ug/Kg		72	45 - 125
Pentachlorophenol	ND		3320	2330		ug/Kg		70	30 - 120
Phenanthrene	ND		3320	2260		ug/Kg		68	50 - 120
Phenol	150	J	3320	2430		ug/Kg		69	40 - 120
Pyrene	ND		3320	2460		ug/Kg		74	40 - 125
bis (2-chloroisopropyl) ether	ND		3320	1980		ug/Kg		60	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*35 - 120*
2-Fluorophenol (Surr)	*67*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 125*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*
Terphenyl-d14 (Surr)	*76*		*40 - 135*
Phenol-d6 (Surr)	*69*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MSD
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	2000		ug/Kg		60	40 - 120	3	25
1,2-Dichlorobenzene	ND		3330	2000		ug/Kg		60	40 - 120	3	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2140		ug/Kg		64	50 - 125	3	25
1,3-Dichlorobenzene	ND		3330	1900		ug/Kg		57	35 - 120	1	25
1,4-Dichlorobenzene	ND		3330	1930		ug/Kg		58	35 - 120	1	25
2,4,5-Trichlorophenol	ND		3330	2350		ug/Kg		71	45 - 120	3	20
2,4,6-Trichlorophenol	ND		3330	2380		ug/Kg		71	45 - 120	1	25
2,4-Dichlorophenol	ND		3330	2320		ug/Kg		70	45 - 120	1	25
2,4-Dimethylphenol	ND		3330	2150		ug/Kg		65	30 - 120	1	25
2,4-Dinitrophenol	ND		3330	2120		ug/Kg		64	20 - 120	5	25
2,4-Dinitrotoluene	ND		3330	2240		ug/Kg		67	50 - 125	5	25
2,6-Dinitrotoluene	ND		3330	2270		ug/Kg		68	50 - 125	3	20
2-Chloronaphthalene	ND		3330	2060		ug/Kg		62	45 - 120	2	20
2-Chlorophenol	ND		3330	2230		ug/Kg		67	40 - 120	1	20
2-Methylnaphthalene	ND		3330	2120		ug/Kg		64	40 - 120	2	20
2-Methylphenol	ND		3330	2340		ug/Kg		70	40 - 120	1	25
2-Nitroaniline	ND		3330	2280		ug/Kg		69	45 - 120	2	25
2-Nitrophenol	ND		3330	2280		ug/Kg		69	40 - 120	3	25
3,3'-Dichlorobenzidine	ND		3330	1880		ug/Kg		57	20 - 130	8	25
3-Nitroaniline	ND		3330	1810		ug/Kg		54	30 - 120	12	25
4,6-Dinitro-2-methylphenol	ND		3330	2390		ug/Kg		72	35 - 120	2	25
4-Bromophenyl phenyl ether	ND		3330	2300		ug/Kg		69	45 - 120	0	20
4-Chloro-3-methylphenol	ND		3330	2370		ug/Kg		71	50 - 125	2	25
4-Chloroaniline	ND		3330	1710		ug/Kg		51	20 - 120	0	30
4-Chlorophenyl phenyl ether	ND		3330	2090		ug/Kg		63	50 - 120	1	25
3-Methylphenol + 4-Methylphenol	ND		3330	2450		ug/Kg		73	50 - 120	0	25
4-Nitroaniline	ND		3330	2010		ug/Kg		60	40 - 125	5	30
4-Nitrophenol	ND		3330	2260		ug/Kg		68	35 - 125	5	30
Acenaphthene	ND		3330	2060		ug/Kg		62	45 - 120	1	25
Acenaphthylene	ND		3330	2290		ug/Kg		69	45 - 120	1	20
Aniline	ND		3330	1910		ug/Kg		57	25 - 120	1	30
Anthracene	ND		3330	2260		ug/Kg		68	55 - 120	3	25
Benzidine	ND		3330	ND	F	ug/Kg		0	20 - 120	NC	30
Benzo[a]anthracene	ND		3330	2250		ug/Kg		68	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2300		ug/Kg		69	45 - 125	2	25
Benzo[b]fluoranthene	ND		3330	2410		ug/Kg		72	45 - 125	2	30
Benzo[g,h,i]perylene	ND		3330	3160		ug/Kg		95	25 - 130	3	30
Benzo[k]fluoranthene	ND		3330	2590		ug/Kg		78	45 - 125	1	30
Benzoic acid	ND		3330	2480		ug/Kg		74	20 - 120	2	30
Benzyl alcohol	ND		3330	2290		ug/Kg		69	20 - 120	13	30
Bis(2-chloroethoxy)methane	ND		3330	2000		ug/Kg		60	45 - 120	1	25
Bis(2-chloroethyl)ether	ND		3330	2000		ug/Kg		60	35 - 110	2	25
Bis(2-ethylhexyl) phthalate	ND		3330	2220		ug/Kg		67	45 - 130	1	25
Butyl benzyl phthalate	ND		3330	2460		ug/Kg		74	45 - 125	3	25
Chrysene	ND		3330	2220		ug/Kg		67	55 - 120	2	25
Dibenz(a,h)anthracene	ND		3330	2480		ug/Kg		75	25 - 135	2	30
Dibenzofuran	ND		3330	2130		ug/Kg		64	50 - 120	1	25
Diethyl phthalate	ND		3330	2360		ug/Kg		71	50 - 125	2	25
Dimethyl phthalate	ND		3330	2230		ug/Kg		67	45 - 125	1	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MSD
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		3330	2210		ug/Kg		66	50 - 125	1	25
Di-n-octyl phthalate	ND		3330	2630		ug/Kg		79	50 - 135	0	25
Fluoranthene	ND		3330	2080		ug/Kg		62	45 - 120	2	25
Fluorene	ND		3330	2130		ug/Kg		64	50 - 120	2	25
Hexachlorobenzene	ND		3330	2260		ug/Kg		68	50 - 120	0	25
Hexachlorobutadiene	ND		3330	1960		ug/Kg		59	40 - 120	2	25
Hexachlorocyclopentadiene	ND		3330	2060		ug/Kg		62	20 - 125	4	30
Hexachloroethane	ND		3330	1940		ug/Kg		58	35 - 120	1	30
Indeno[1,2,3-cd]pyrene	ND		3330	2790		ug/Kg		84	20 - 130	1	30
Isophorone	ND		3330	2140		ug/Kg		64	40 - 120	2	25
Naphthalene	ND		3330	2010		ug/Kg		60	40 - 120	3	25
Nitrobenzene	ND		3330	2060		ug/Kg		62	40 - 120	4	25
N-Nitrosodi-n-propylamine	ND		3330	2420		ug/Kg		73	35 - 120	2	25
N-Nitrosodiphenylamine	ND		3330	2350		ug/Kg		71	45 - 125	2	25
Pentachlorophenol	ND		3330	2300		ug/Kg		69	30 - 120	1	25
Phenanthrene	ND		3330	2180		ug/Kg		65	50 - 120	4	25
Phenol	150	J	3330	2450		ug/Kg		69	40 - 120	1	25
Pyrene	ND		3330	2380		ug/Kg		72	40 - 125	3	30
bis (2-chloroisopropyl) ether	ND		3330	2060		ug/Kg		62	40 - 120	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 120*
2-Fluorophenol (Surr)	*66*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 125*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*
Terphenyl-d14 (Surr)	*75*		*40 - 135*
Phenol-d6 (Surr)	*70*		*35 - 120*

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,3-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,4-Dichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,5-Trichlorophenol	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,6-Trichlorophenol	ND		20	4.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dichlorophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dimethylphenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrophenol	ND		20	8.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chloronaphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chlorophenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylnaphthalene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		20	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Nitrophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Nitroaniline	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloro-3-methylphenol	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloroaniline	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chlorophenyl phenyl ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Methylphenol + 4-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitroaniline	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitrophenol	ND		20	5.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthylene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Aniline	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzidine	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]pyrene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[b]fluoranthene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[g,h,i]perylene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[k]fluoranthene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzoic acid	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzyl alcohol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethoxy)methane	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethyl)ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-ethylhexyl) phthalate	6.07	J	50	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Butyl benzyl phthalate	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Chrysene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenz(a,h)anthracene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenzofuran	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Diethyl phthalate	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dimethyl phthalate	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-butyl phthalate	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-octyl phthalate	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluoranthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1,2,3-cd]pyrene	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Isophorone	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Naphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenanthrene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenol	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
bis (2-chloroisopropyl) ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tritetracontane	*8.41*	*T J N*	*ug/L*		*10.52*	*7098-21-7*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*50 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2-Fluorophenol (Surr)	*49*		*30 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*40 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Terphenyl-d14 (Surr)	*71*		*50 - 125*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Phenol-d6 (Surr)	*58*		*35 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	46.0		ug/L		46	45 - 120
1,2-Dichlorobenzene	100	44.6		ug/L		45	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	100	61.3		ug/L		61	60 - 120
1,3-Dichlorobenzene	100	41.2		ug/L		41	35 - 120
1,4-Dichlorobenzene	100	42.1		ug/L		42	35 - 120
2,4,5-Trichlorophenol	100	57.2		ug/L		57	55 - 120
2,4,6-Trichlorophenol	100	58.3		ug/L		58	55 - 120
2,4-Dichlorophenol	100	57.6		ug/L		58	55 - 120
2,4-Dimethylphenol	100	52.9		ug/L		53	40 - 120
2,4-Dinitrophenol	100	63.5		ug/L		63	40 - 120
2,4-Dinitrotoluene	100	65.6		ug/L		66	65 - 120
2,6-Dinitrotoluene	100	61.3	*	ug/L		61	65 - 120
2-Chloronaphthalene	100	55.3	*	ug/L		55	60 - 120
2-Chlorophenol	100	53.9		ug/L		54	45 - 120
2-Methylnaphthalene	100	55.3		ug/L		55	55 - 120
2-Methylphenol	100	58.7		ug/L		59	50 - 120
2-Nitroaniline	100	62.2	*	ug/L		62	65 - 120
2-Nitrophenol	100	59.8		ug/L		60	50 - 120
3,3'-Dichlorobenzidine	100	42.7	*	ug/L		43	45 - 135
3-Nitroaniline	100	60.6		ug/L		61	60 - 120
4,6-Dinitro-2-methylphenol	100	63.2		ug/L		63	45 - 120
4-Bromophenyl phenyl ether	100	59.0	*	ug/L		59	60 - 120
4-Chloro-3-methylphenol	100	60.4		ug/L		60	60 - 120
4-Chloroaniline	100	63.3		ug/L		63	55 - 120
4-Chlorophenyl phenyl ether	100	55.7	*	ug/L		56	65 - 120
3-Methylphenol + 4-Methylphenol	100	61.8		ug/L		62	50 - 120
4-Nitroaniline	100	61.5		ug/L		61	55 - 125
4-Nitrophenol	100	59.8		ug/L		60	45 - 120
Acenaphthene	100	57.2	*	ug/L		57	60 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	100	60.6		ug/L		61	60 - 120
Aniline	100	64.9		ug/L		65	35 - 120
Anthracene	100	60.5	*	ug/L		60	65 - 120
Benzidine	100	62.6		ug/L		63	30 - 160
Benzo[a]anthracene	100	60.5	*	ug/L		60	65 - 120
Benzo[a]pyrene	100	60.4		ug/L		60	55 - 130
Benzo[b]fluoranthene	100	61.9		ug/L		62	55 - 125
Benzo[g,h,i]perylene	100	74.7		ug/L		75	45 - 135
Benzo[k]fluoranthene	100	62.3		ug/L		62	50 - 125
Benzoic acid	100	57.9		ug/L		58	25 - 120
Benzyl alcohol	100	66.9		ug/L		67	50 - 120
Bis(2-chloroethoxy)methane	100	59.4		ug/L		59	55 - 120
Bis(2-chloroethyl)ether	100	57.7		ug/L		58	50 - 120
Bis(2-ethylhexyl) phthalate	100	56.5	*	ug/L		56	65 - 130
Butyl benzyl phthalate	100	62.7		ug/L		63	55 - 130
Chrysene	100	61.0	*	ug/L		61	65 - 120
Dibenz(a,h)anthracene	100	58.2		ug/L		58	50 - 135
Dibenzofuran	100	58.4	*	ug/L		58	65 - 120
Diethyl phthalate	100	63.5		ug/L		63	55 - 120
Dimethyl phthalate	100	60.4		ug/L		60	30 - 120
Di-n-butyl phthalate	100	59.7		ug/L		60	60 - 125
Di-n-octyl phthalate	100	66.6		ug/L		67	65 - 135
Fluoranthene	100	59.9		ug/L		60	60 - 120
Fluorene	100	58.4	*	ug/L		58	65 - 120
Hexachlorobenzene	100	58.6	*	ug/L		59	60 - 120
Hexachlorobutadiene	100	40.4		ug/L		40	40 - 120
Hexachlorocyclopentadiene	100	42.9		ug/L		43	25 - 120
Hexachloroethane	100	38.5		ug/L		39	35 - 120
Indeno[1,2,3-cd]pyrene	100	68.4		ug/L		68	45 - 135
Isophorone	100	63.5		ug/L		64	50 - 120
Naphthalene	100	51.9	*	ug/L		52	55 - 120
Nitrobenzene	100	59.4		ug/L		59	55 - 120
N-Nitrosodi-n-propylamine	100	70.4		ug/L		70	45 - 120
N-Nitrosodiphenylamine	100	57.4	*	ug/L		57	60 - 120
Pentachlorophenol	100	61.1		ug/L		61	24 - 121
Phenanthrene	100	59.9	*	ug/L		60	65 - 120
Phenol	100	51.6		ug/L		52	40 - 120
Pyrene	100	59.2		ug/L		59	55 - 125
bis (2-chloroisopropyl) ether	100	58.9		ug/L		59	45 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*62*		*45 - 120*
Terphenyl-d14 (Surr)	*61*		*50 - 125*
Phenol-d6 (Surr)	*51*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	48.1		ug/L		48	45 - 120	5	20
1,2-Dichlorobenzene	100	44.0		ug/L		44	40 - 120	1	25
1,2-Diphenylhydrazine(as Azobenzene)	100	64.6		ug/L		65	60 - 120	5	25
1,3-Dichlorobenzene	100	41.1		ug/L		41	35 - 120	0	25
1,4-Dichlorobenzene	100	42.6		ug/L		43	35 - 120	1	25
2,4,5-Trichlorophenol	100	63.3		ug/L		63	55 - 120	10	30
2,4,6-Trichlorophenol	100	63.8		ug/L		64	55 - 120	9	30
2,4-Dichlorophenol	100	59.1		ug/L		59	55 - 120	2	20
2,4-Dimethylphenol	100	52.6		ug/L		53	40 - 120	0	25
2,4-Dinitrophenol	100	63.2		ug/L		63	40 - 120	1	25
2,4-Dinitrotoluene	100	68.4		ug/L		68	65 - 120	4	20
2,6-Dinitrotoluene	100	66.8		ug/L		67	65 - 120	9	20
2-Chloronaphthalene	100	59.2	*	ug/L		59	60 - 120	7	20
2-Chlorophenol	100	52.1		ug/L		52	45 - 120	4	25
2-Methylnaphthalene	100	57.3		ug/L		57	55 - 120	4	20
2-Methylphenol	100	56.7		ug/L		57	50 - 120	4	20
2-Nitroaniline	100	67.3		ug/L		67	65 - 120	8	20
2-Nitrophenol	100	62.8		ug/L		63	50 - 120	5	25
3,3'-Dichlorobenzidine	100	54.1		ug/L		54	45 - 135	24	25
3-Nitroaniline	100	64.5		ug/L		65	60 - 120	6	25
4,6-Dinitro-2-methylphenol	100	65.6		ug/L		66	45 - 120	4	25
4-Bromophenyl phenyl ether	100	62.7		ug/L		63	60 - 120	6	25
4-Chloro-3-methylphenol	100	63.0		ug/L		63	60 - 120	4	25
4-Chloroaniline	100	63.7		ug/L		64	55 - 120	1	25
4-Chlorophenyl phenyl ether	100	57.0	*	ug/L		57	65 - 120	2	20
3-Methylphenol + 4-Methylphenol	100	59.9		ug/L		60	50 - 120	3	20
4-Nitroaniline	100	66.9		ug/L		67	55 - 125	8	20
4-Nitrophenol	100	68.5		ug/L		68	45 - 120	14	30
Acenaphthene	100	63.0		ug/L		63	60 - 120	10	20
Acenaphthylene	100	65.8		ug/L		66	60 - 120	8	20
Aniline	100	64.3		ug/L		64	35 - 120	1	30
Anthracene	100	64.8		ug/L		65	65 - 120	7	20
Benzidine	100	63.3		ug/L		63	30 - 160	1	35
Benzo[a]anthracene	100	64.6		ug/L		65	65 - 120	7	20
Benzo[a]pyrene	100	65.8		ug/L		66	55 - 130	9	25
Benzo[b]fluoranthene	100	65.4		ug/L		65	55 - 125	5	25
Benzo[g,h,i]perylene	100	81.3		ug/L		81	45 - 135	8	25
Benzo[k]fluoranthene	100	67.8		ug/L		68	50 - 125	8	20
Benzoic acid	100	63.5		ug/L		63	25 - 120	9	30
Benzyl alcohol	100	65.4		ug/L		65	50 - 120	2	20
Bis(2-chloroethoxy)methane	100	62.6		ug/L		63	55 - 120	5	20
Bis(2-chloroethyl)ether	100	57.8		ug/L		58	50 - 120	0	20
Bis(2-ethylhexyl) phthalate	100	61.9	*	ug/L		62	65 - 130	9	20
Butyl benzyl phthalate	100	68.1		ug/L		68	55 - 130	8	20
Chrysene	100	65.5		ug/L		66	65 - 120	7	20
Dibenz(a,h)anthracene	100	62.0		ug/L		62	50 - 135	6	25
Dibenzofuran	100	63.5	*	ug/L		63	65 - 120	8	20
Diethyl phthalate	100	66.6		ug/L		67	55 - 120	5	30
Dimethyl phthalate	100	64.2		ug/L		64	30 - 120	6	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate			100	63.6		ug/L		64	60 - 125	6	20
Di-n-octyl phthalate			100	75.4		ug/L		75	65 - 135	12	20
Fluoranthene			100	64.5		ug/L		65	60 - 120	7	20
Fluorene			100	61.3	*	ug/L		61	65 - 120	5	20
Hexachlorobenzene			100	62.0		ug/L		62	60 - 120	6	20
Hexachlorobutadiene			100	42.2		ug/L		42	40 - 120	4	25
Hexachlorocyclopentadiene			100	44.8		ug/L		45	25 - 120	4	30
Hexachloroethane			100	37.8		ug/L		38	35 - 120	2	25
Indeno[1,2,3-cd]pyrene			100	74.0		ug/L		74	45 - 135	8	25
Isophorone			100	67.2		ug/L		67	50 - 120	6	20
Naphthalene			100	54.6		ug/L		55	55 - 120	5	20
Nitrobenzene			100	61.5		ug/L		61	55 - 120	4	25
N-Nitrosodi-n-propylamine			100	68.9		ug/L		69	45 - 120	2	20
N-Nitrosodiphenylamine			100	61.5		ug/L		61	60 - 120	7	20
Pentachlorophenol			100	64.8		ug/L		65	24 - 121	6	25
Phenanthrene			100	63.3	*	ug/L		63	65 - 120	6	20
Phenol			100	49.4		ug/L		49	40 - 120	4	25
Pyrene			100	63.2		ug/L		63	55 - 125	7	25
bis (2-chloroisopropyl) ether			100	58.3		ug/L		58	45 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*64*		*45 - 120*
Terphenyl-d14 (Surr)	*63*		*50 - 125*
Phenol-d6 (Surr)	*50*		*35 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-44867/4
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/13/12 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*		*08/13/12 10:20*	*1*

Lab Sample ID: LCS 440-44867/2
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1410		ug/Kg		88	70 - 135		

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-44867/2
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		65 - 140

Lab Sample ID: LCSD 440-44867/3
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1430		ug/Kg		89	70 - 135	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		65 - 140

Lab Sample ID: 440-19872-A-3 MS
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1450	1070		ug/Kg		74	60 - 140		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		65 - 140

Lab Sample ID: 440-19872-A-3 MSD
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1430	1010		ug/Kg		71	60 - 140	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		65 - 140

Lab Sample ID: MB 440-45258/3
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/14/12 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		65 - 140		08/14/12 15:17	1

Lab Sample ID: LCS 440-45258/2
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	667		ug/L		83	80 - 120		

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-45258/2
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		65 - 140

Lab Sample ID: 440-19892-A-3 MS
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	42	J	800	673		ug/L		79	65 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		65 - 140

Lab Sample ID: 440-19892-A-3 MSD
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	42	J	800	654		ug/L		77	65 - 140	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		65 - 140

Lab Sample ID: MB 440-45520/4
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/15/12 15:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		65 - 140		08/15/12 15:06	1

Lab Sample ID: LCS 440-45520/2
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1480		ug/Kg		92	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		65 - 140

Lab Sample ID: LCSD 440-45520/3
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1520		ug/Kg		95	70 - 135	3	20

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-45520/3
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		65 - 140

Lab Sample ID: 440-20036-A-1 MS
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1470	1160		ug/Kg		79	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		65 - 140

Lab Sample ID: 440-20036-A-1 MSD
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		65 - 140

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45524/1-A
Matrix: Water
Analysis Batch: 45425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.50	0.10	mg/L		08/15/12 13:16	08/16/12 08:54	1
C23-C40	ND		0.50	0.10	mg/L		08/15/12 13:16	08/16/12 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	81		45 - 120	08/15/12 13:16	08/16/12 08:54	1

Lab Sample ID: LCS 440-45524/2-A
Matrix: Water
Analysis Batch: 45426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	1.00	0.801		mg/L		80	40 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane	76		45 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 440-45524/3-A
Matrix: Water
Analysis Batch: 45426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			1.00	0.681		mg/L		68	40 - 115	16	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*64*		*45 - 120*

Lab Sample ID: MB 440-46121/1-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/17/12 12:04	08/18/12 01:54	1
C23-C40	ND		5.0	3.5	mg/Kg		08/17/12 12:04	08/18/12 01:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*77*		*40 - 140*	*08/17/12 12:04*	*08/18/12 01:54*	*1*

Lab Sample ID: LCS 440-46121/2-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	24.2		mg/Kg		73	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*72*		*40 - 140*

Lab Sample ID: LCS 440-46121/3-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	22.7		mg/Kg		68	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*68*		*40 - 140*

Lab Sample ID: LCS 440-46121/4-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	25.2		mg/Kg		75	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*74*		*40 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46121/5-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	24.5		mg/Kg		74	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*73*		*40 - 140*

GC/MS Semi VOA

Prep Batch: 44471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	3546	
440-19898-2	SB-27-3	Total/NA	Solid	3546	
440-19898-3	SB-28-0.5	Total/NA	Solid	3546	
440-19898-4	SB-28-3	Total/NA	Solid	3546	
440-19898-5	SB-25-0.5	Total/NA	Solid	3546	
440-19898-6	SB-26-0.5	Total/NA	Solid	3546	
440-19898-7	SB-26-3	Total/NA	Solid	3546	
440-19898-7 MS	SB-26-3	Total/NA	Solid	3546	
440-19898-7 MSD	SB-26-3	Total/NA	Solid	3546	
440-19898-8	SB-25-3	Total/NA	Solid	3546	
LCS 440-44471/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-44471/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 44815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	8270C	44471
440-19898-2	SB-27-3	Total/NA	Solid	8270C	44471
440-19898-3	SB-28-0.5	Total/NA	Solid	8270C	44471
440-19898-4	SB-28-3	Total/NA	Solid	8270C	44471
440-19898-5	SB-25-0.5	Total/NA	Solid	8270C	44471
440-19898-6	SB-26-0.5	Total/NA	Solid	8270C	44471
440-19898-7	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-7 MS	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-7 MSD	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-8	SB-25-3	Total/NA	Solid	8270C	44471
LCS 440-44471/2-A	Lab Control Sample	Total/NA	Solid	8270C	44471
MB 440-44471/1-A	Method Blank	Total/NA	Solid	8270C	44471

Prep Batch: 45901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	3520C	
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-45901/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 46371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	8270C	45901
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	8270C	45901
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	45901
MB 440-45901/1-A	Method Blank	Total/NA	Water	8270C	45901

GC VOA

Analysis Batch: 44867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19872-A-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-19872-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
440-19898-1	SB-27-0.5	Total/NA	Solid	8015B	
440-19898-2	SB-27-3	Total/NA	Solid	8015B	
440-19898-3	SB-28-0.5	Total/NA	Solid	8015B	
440-19898-4	SB-28-3	Total/NA	Solid	8015B	

GC VOA (Continued)

Analysis Batch: 44867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-5	SB-25-0.5	Total/NA	Solid	8015B	
440-19898-6	SB-26-0.5	Total/NA	Solid	8015B	
440-19898-7	SB-26-3	Total/NA	Solid	8015B	
LCS 440-44867/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-44867/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-44867/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 45258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19892-A-3 MS	Matrix Spike	Total/NA	Water	8015B	
440-19892-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-19898-9	EB-080912	Total/NA	Water	8015B	
LCS 440-45258/2	Lab Control Sample	Total/NA	Water	8015B	
MB 440-45258/3	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 45520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-8	SB-25-3	Total/NA	Solid	8015B	
440-20036-A-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-20036-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-45520/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45520/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45520/4	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	CA LUFT	
440-19898-2	SB-27-3	Total/NA	Solid	CA LUFT	
440-19898-3	SB-28-0.5	Total/NA	Solid	CA LUFT	
440-19898-4	SB-28-3	Total/NA	Solid	CA LUFT	
440-19898-5	SB-25-0.5	Total/NA	Solid	CA LUFT	
440-19898-6	SB-26-0.5	Total/NA	Solid	CA LUFT	
440-19898-7	SB-26-3	Total/NA	Solid	CA LUFT	
440-19898-8	SB-25-3	Total/NA	Solid	CA LUFT	

Analysis Batch: 45425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-45524/1-A	Method Blank	Total/NA	Water	8015B	45524

Analysis Batch: 45426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	8015B	45524
LCS 440-45524/2-A	Lab Control Sample	Total/NA	Water	8015B	45524
LCSD 440-45524/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	45524

Prep Batch: 45524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	3510C	
LCS 440-45524/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-45524/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 45524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-45524/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 46023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	8015B	45421
440-19898-2	SB-27-3	Total/NA	Solid	8015B	45421
440-19898-3	SB-28-0.5	Total/NA	Solid	8015B	45421
440-19898-4	SB-28-3	Total/NA	Solid	8015B	45421
440-19898-5	SB-25-0.5	Total/NA	Solid	8015B	45421
440-19898-6	SB-26-0.5	Total/NA	Solid	8015B	45421
440-19898-7	SB-26-3	Total/NA	Solid	8015B	45421
440-19898-8	SB-25-3	Total/NA	Solid	8015B	45421
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	8015B	46121
MB 440-46121/1-A	Method Blank	Total/NA	Solid	8015B	46121

Prep Batch: 46121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-46121/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

1140-19898

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/9/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	1 of 1 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler:
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)	Sample Specific Notes:
SB-27-0.5	8/9/12	0958	REG	SOIL	1		X	X	X	X	X		
SB-27-3		1023	REG	SOIL	1		X	X	X	X	X		
SB-28-0.5		1049	REG	SOIL	1		X	X	X	X	X		
SB-28-3		1102	REG	SOIL	1		X	X	X	X	X		
SB-25-0.5		1122	REG	SOIL	1		X	X	X	X	X		
SB-26-0.5		1138	REG	SOIL	1		X	X	X	X	X		
SB-26-3		1207	REG	SOIL	1		X	X	X	X	X		
SB-25-3		1224	REG	SOIL	1		X	X	X	X	X		
EB-080912	↓	1530	QCEB	AQ	7		X	X	X	X		X	

8/9/12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/9/12 1539	Vincent Padilla	TA-I	8/9/12 1539
Relinquished by: Vincent Padilla	Company: TA-I	8/9/12 1805	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: TAT	Date/Time: 08/10/12 8:05

1.4C

8/23/2012

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 440-19898-1

Login Number: 19898

List Source: TestAmerica Irvine

List Number: 1

Creator: Perez, Angel

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Joan Dolmat
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-20036-1
Client Project/Site: GE duarte
Revision: 1

For:
MWH Americas Inc
618 Michillinda Avenue, Suite 200
Arcadia, California 91007

Attn: Mr. Michael Flaugher

Authorized for release by:
8/30/2012 7:17:26 AM

Jonathan Bousselaire
Project Manager I
jonathan.bousselaire@testamericainc.com

Table of Contents

Sample Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-20036-1	SB-21-0.5	Solid	08/09/12 16:02	08/10/12 17:10
440-20036-2	SB-21-3	Solid	08/09/12 16:28	08/10/12 17:10
440-20036-6	SB-22-0.5	Solid	08/10/12 09:44	08/10/12 17:10
440-20036-7	SB-22-3	Solid	08/10/12 11:22	08/10/12 17:10
440-20036-8	SB-20-0.5	Solid	08/10/12 13:10	08/10/12 17:10
440-20036-10	SB-20-3	Solid	08/10/12 15:02	08/10/12 17:10
440-20036-11	SB-20-5	Solid	08/10/12 15:20	08/10/12 17:10
440-20036-12	Dup-1	Solid	08/10/12 00:01	08/10/12 17:10
440-20036-13	Dup-2	Solid	08/10/12 00:01	08/10/12 17:10
440-20036-14	EB-081012	Water	08/10/12 15:28	08/10/12 17:10

Job ID: 440-20036-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-20036-1

Comments
Report was revised to include sample SB-20-5 (440-20036-11). This sample was initially on hold and was taken off hold for analysis by 8270 and 8015.

Receipt
The samples were received on 8/10/2012 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7º C.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) for 4-chlorophenylphenylether associated with batch 45705 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The grand mean exception, as outlined in EPA Method 8000B, was applied to the continuing calibration verification (CCV) standard associated with batch 45705. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D.

Method(s) 8270C: The continuing calibration verification (CCV) for hexachlorophene and kepone associated with batch 45705 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45901. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 45901 exceeded control limits for several analytes. Low recoveries are possibly due to less than optimal extraction conditions such as fluctuations in heating mantle temp, condenser water temp, ambient light, angle of apparatus, spike solvent, etc. Holdtimes for many samples have expired.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: Dup-2 (440-20036-13), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1).

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: SB-20-5 (440-20036-11).

Method(s) 8015B: Hydrocarbon result partly due to individual peak(s) in quantitation range. SB-20-5 (440-20036-11).

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 47570 were outside control limits for 2,4-dinitrophenol and benzoic acid: (440-21307-1 MS), (440-21307-1 MSD). Matrix interference is suspected.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SB-20-5 (440-20036-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Job ID: 440-20036-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

HPLC
Method(s) 7199: The sample matrix has been determined to be reductive in nature.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: Dup-2 (440-20036-13), SB-20-3 (440-20036-10). Re-extraction and/or re-analysis was performed with concurring results. The re-analysis has been reported.

Method(s) 8015B: Surrogate recovery for the following samples was outside control limits: SB-20-5 (440-20036-11). Re-analysis was performed with concurring results. This re-analysis has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45525. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Due to the level of dilution required for the following samples, surrogate recoveries do not provide useful information: Dup-1 (440-20036-12), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1).

Method(s) 8015B: Hydrocarbon result partly due to individual peaks in quantitation range.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: Dup-2 (440-20036-13).

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 46433 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 46306 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (440-20036-13 MS), (440-20036-13 MSD), Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Job ID: 440-20036-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-20-5 (440-20036-11). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: SB-20-5 (440-20036-11).

Method(s) 8015B: Hydrocarbon result partly due to individual peak(s) in quantitation range. SB-20-5 (440-20036-11).

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 46306 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
Method(s) SM 2580B: The following sample(s) was analyzed outside of analytical holding time due to analysis being added after hold time expired: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-20-5 (440-20036-11), SB-21-0.5 (440-20036-1), SB-21-10 (440-20036-4), SB-21-3 (440-20036-2), SB-21-5 (440-20036-3), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7), SB-22-5 (440-20036-9), SB-26-5 (440-20036-5).

Method(s) 9045C: The following sample(s) was analyzed outside of analytical holding time due to the analysis being added after hold time expired: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-20-5 (440-20036-11), SB-21-0.5 (440-20036-1), SB-21-10 (440-20036-4), SB-21-3 (440-20036-2), SB-21-5 (440-20036-3), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7), SB-22-5 (440-20036-9), SB-26-5 (440-20036-5).

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (440-20036-13 MS), (440-20036-13 MSD), Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-20-5 (440-20036-11). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5
Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		16000	2500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,2-Dichlorobenzene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,3-Dichlorobenzene	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,4-Dichlorobenzene	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4,5-Trichlorophenol	ND		16000	6500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4,6-Trichlorophenol	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dichlorophenol	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dimethylphenol	ND		16000	5000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dinitrophenol	ND		33000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dinitrotoluene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,6-Dinitrotoluene	ND		16000	4700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Chloronaphthalene	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Chlorophenol	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Methylnaphthalene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Methylphenol	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Nitroaniline	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Nitrophenol	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3,3'-Dichlorobenzidine	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3-Nitroaniline	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4,6-Dinitro-2-methylphenol	ND		21000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Bromophenyl phenyl ether	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chloro-3-methylphenol	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chloroaniline	ND		16000	6000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chlorophenyl phenyl ether	ND		16000	4200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3-Methylphenol + 4-Methylphenol	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Nitroaniline	ND		41000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Nitrophenol	ND		41000	7000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Acenaphthene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Acenaphthylene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Aniline	ND		21000	4200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Anthracene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzidine	ND		33000	33000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[a]anthracene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[a]pyrene	ND		16000	2700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[b]fluoranthene	ND		16000	2500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[g,h,i]perylene	ND		16000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[k]fluoranthene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzoic acid	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzyl alcohol	ND		16000	10000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-chloroethoxy)methane	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-chloroethyl)ether	ND		8500	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-ethylhexyl) phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Butyl benzyl phthalate	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Chrysene	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dibenz(a,h)anthracene	ND		21000	5000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dibenzofuran	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Diethyl phthalate	ND		16000	4700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dimethyl phthalate	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Di-n-butyl phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5
Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Fluoranthene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Fluorene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorobenzene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorobutadiene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorocyclopentadiene	ND		41000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachloroethane	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Indeno[1,2,3-cd]pyrene	ND		16000	6500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Isophorone	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Naphthalene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Nitrobenzene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
N-Nitrosodi-n-propylamine	ND		12000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
N-Nitrosodiphenylamine	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Pentachlorophenol	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Phenanthrene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Phenol	**6900**	**J**	16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Pyrene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
bis (2-chloroisopropyl) ether	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*230000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Unknown	*740000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 17:07*	*25*
Diphenyl phosphate	*120000*	*T J N*	*ug/Kg*		*9.32*	*838-85-7*	*08/13/12 09:24*	*08/16/12 17:07*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
2-Fluorophenol (Surr)	*48*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
2,4,6-Tribromophenol (Surr)	*109*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Terphenyl-d14 (Surr)	*183*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Phenol-d6 (Surr)	*57*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*65 - 140*		*08/15/12 15:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**900**		100	70	mg/Kg		08/15/12 09:03	08/17/12 22:52	10
C23-C40	**630**		100	70	mg/Kg		08/15/12 09:03	08/17/12 22:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*85*		*40 - 140*	*08/15/12 09:03*	*08/17/12 22:52*	*10*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 11:38	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.4	J	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Arsenic	3.7		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Barium	86		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Cadmium	0.48	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Chromium	11		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Cobalt	6.1		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Copper	23		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Lead	9.6		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:53	5
Nickel	9.6		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Vanadium	24		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Zinc	69		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5

Client Sample ID: SB-21-3

Date Collected: 08/09/12 16:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		6600	990	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,2-Dichlorobenzene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,2-Diphenylhydrazine(as Azobenzene)	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,3-Dichlorobenzene	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,4-Dichlorobenzene	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4,5-Trichlorophenol	ND		6600	2600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4,6-Trichlorophenol	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dichlorophenol	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dimethylphenol	ND		6600	2000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dinitrophenol	ND		13000	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dinitrotoluene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,6-Dinitrotoluene	ND		6600	1900	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Chloronaphthalene	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Chlorophenol	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Methylnaphthalene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Methylphenol	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Nitroaniline	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Nitrophenol	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3,3'-Dichlorobenzidine	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3-Nitroaniline	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4,6-Dinitro-2-methylphenol	ND		8400	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Bromophenyl phenyl ether	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chloro-3-methylphenol	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chloroaniline	ND		6600	2400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chlorophenyl phenyl ether	ND		6600	1700	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3-Methylphenol + 4-Methylphenol	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Nitroaniline	ND		17000	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-3
Date Collected: 08/09/12 16:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		17000	2800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Acenaphthene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Acenaphthylene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Aniline	ND		8400	1700	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Anthracene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzidine	ND		13000	13000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[a]anthracene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[a]pyrene	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[b]fluoranthene	ND		6600	990	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[g,h,i]perylene	ND		6600	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[k]fluoranthene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzoic acid	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzyl alcohol	ND		6600	4000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-chloroethoxy)methane	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-chloroethyl)ether	ND		3400	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-ethylhexyl) phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Butyl benzyl phthalate	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Chrysene	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dibenz(a,h)anthracene	ND		8400	2000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dibenzofuran	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Diethyl phthalate	ND		6600	1900	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dimethyl phthalate	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Di-n-butyl phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Di-n-octyl phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Fluoranthene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Fluorene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobenzene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobutadiene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorocyclopentadiene	ND		17000	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachloroethane	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Indeno[1,2,3-cd]pyrene	ND		6600	2600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Isophorone	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Naphthalene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Nitrobenzene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodi-n-propylamine	ND		5000	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodiphenylamine	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Pentachlorophenol	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Phenanthrene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Phenol	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Pyrene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
bis (2-chloroisopropyl) ether	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*54000*	*T J N*	*ug/Kg*		*7.65*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Unknown	*170000*	*T J*	*ug/Kg*		*8.52*		*08/13/12 09:24*	*08/16/12 17:28*	*10*
Diphenyl phosphate	*29000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Docosane	*5500*	*T J N*	*ug/Kg*		*11.40*	*629-97-0*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
2-Fluorophenol (Surr)	*57*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Client Sample ID: SB-21-3

Lab Sample ID: 440-20036-2

Date Collected: 08/09/12 16:28

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Nitrobenzene-d5 (Surr)	*52*		*30 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Terphenyl-d14 (Surr)	*105*		*40 - 135*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Phenol-d6 (Surr)	*57*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		360	140	ug/Kg			08/15/12 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*		*08/15/12 17:09*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**210**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:12	1
C23-C40	**250**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*71*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:12*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 11:51	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**	**J**	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Arsenic	**3.6**		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Barium	**63**		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cadmium	**0.29**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Chromium	**9.2**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cobalt	**5.4**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Copper	**16**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Lead	**6.5**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:59	5
Nickel	**8.0**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Vanadium	**19**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Zinc	**41**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5

Client Sample ID: SB-22-0.5

Lab Sample ID: 440-20036-6

Date Collected: 08/10/12 09:44

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		660	100	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,2-Dichlorobenzene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5
Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,3-Dichlorobenzene	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,4-Dichlorobenzene	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4,5-Trichlorophenol	ND		660	260	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4,6-Trichlorophenol	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dichlorophenol	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dimethylphenol	ND		660	200	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dinitrophenol	ND		1300	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dinitrotoluene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,6-Dinitrotoluene	ND		660	190	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Chloronaphthalene	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Chlorophenol	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Methylnaphthalene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Methylphenol	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Nitroaniline	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Nitrophenol	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3,3'-Dichlorobenzidine	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3-Nitroaniline	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4,6-Dinitro-2-methylphenol	ND		840	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Bromophenyl phenyl ether	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chloro-3-methylphenol	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chloroaniline	ND		660	240	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chlorophenyl phenyl ether	ND		660	170	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3-Methylphenol + 4-Methylphenol	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Nitroaniline	ND		1700	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Nitrophenol	ND		1700	280	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Acenaphthene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Acenaphthylene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Aniline	ND		840	170	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Anthracene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzidine	ND		1300	1300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[a]anthracene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[a]pyrene	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[b]fluoranthene	ND		660	100	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[g,h,i]perylene	ND		660	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[k]fluoranthene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzoic acid	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzyl alcohol	ND		660	400	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-chloroethoxy)methane	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-chloroethyl)ether	ND		340	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-ethylhexyl) phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Butyl benzyl phthalate	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Chrysene	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dibenz(a,h)anthracene	ND		840	200	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dibenzofuran	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Diethyl phthalate	ND		660	190	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dimethyl phthalate	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Di-n-butyl phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Di-n-octyl phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Fluoranthene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5
Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorobenzene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorobutadiene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorocyclopentadiene	ND		1700	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachloroethane	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Indeno[1,2,3-cd]pyrene	ND		660	260	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Isophorone	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Naphthalene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Nitrobenzene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
N-Nitrosodi-n-propylamine	ND		500	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
N-Nitrosodiphenylamine	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Pentachlorophenol	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Phenanthrene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Phenol	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Pyrene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
bis (2-chloroisopropyl) ether	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9500*	*T J N*	*ug/Kg*		*2.43*	*123-42-2*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Tributyl phosphate	*8200*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*16000*	*T J*	*ug/Kg*		*8.52*		*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*2700*	*T J*	*ug/Kg*		*9.31*		*08/13/12 09:24*	*08/16/12 17:49*	*1*
Nonadecane, 9-methyl-	*560*	*T J N*	*ug/Kg*		*10.90*	*13287-24-6*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Docosane	*730*	*T J N*	*ug/Kg*		*11.12*	*629-97-0*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Heptacosane	*1100*	*T J N*	*ug/Kg*		*11.40*	*593-49-7*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*570*	*T J*	*ug/Kg*		*13.66*		*08/13/12 09:24*	*08/16/12 17:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
2-Fluorophenol (Surr)	*73*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Terphenyl-d14 (Surr)	*82*		*40 - 135*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Phenol-d6 (Surr)	*81*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/15/12 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*		*08/15/12 17:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**35**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:33	1
C23-C40	**130**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*78*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:33*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:04	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5

Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	J	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Arsenic	4.2		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Barium	67		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Beryllium	0.21	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Cadmium	0.23	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Chromium	11		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Cobalt	5.4		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Copper	14		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Lead	5.9		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:01	5
Nickel	8.4		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/22/12 17:01	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Vanadium	24		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Zinc	37		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5

Client Sample ID: SB-22-3

Date Collected: 08/10/12 11:22
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Chlorophenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Nitroaniline	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Nitrophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3-Nitroaniline	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chloroaniline	ND		330	120	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Nitroaniline	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-3
Date Collected: 08/10/12 11:22
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		830	140	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Acenaphthene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Acenaphthylene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Aniline	ND		420	85	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Anthracene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzidine	ND		660	660	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzoic acid	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzyl alcohol	ND		330	200	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Chrysene	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dibenzofuran	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Diethyl phthalate	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Fluorene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachloroethane	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Isophorone	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Naphthalene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Nitrobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Pentachlorophenol	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Phenanthrene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Phenol	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Pyrene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9200*	*T J N*	*ug/Kg*		*2.45*	*123-42-2*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Tributyl phosphate	*550*	*T J N*	*ug/Kg*		*7.65*	*126-73-8*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Unknown	*760*	*T J*	*ug/Kg*		*8.51*		*08/13/12 09:24*	*08/16/12 13:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 125*	*08/13/12 09:24*	*08/16/12 13:37*	*1*

Client Sample ID: SB-22-3

Lab Sample ID: 440-20036-7

Date Collected: 08/10/12 11:22

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Terphenyl-d14 (Surr)	*68*		*40 - 135*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Phenol-d6 (Surr)	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350	130	ug/Kg			08/15/12 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*65 - 140*		*08/15/12 18:03*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**26**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:53	1
C23-C40	**59**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:53*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:16	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**	**J**	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Arsenic	**3.1**		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Barium	**59**		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Cadmium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Chromium	**9.3**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Cobalt	**4.6**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Copper	**12**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Lead	**3.1**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:12	5
Nickel	**7.4**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Vanadium	**21**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Zinc	**30**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5

Client Sample ID: SB-20-0.5

Lab Sample ID: 440-20036-8

Date Collected: 08/10/12 13:10

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5
Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Acenaphthene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Acenaphthylene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Aniline	ND		4200	850	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Anthracene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzidine	ND		6600	6600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzoic acid	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Chrysene	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dibenzofuran	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Fluorene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5
Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachloroethane	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Isophorone	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Naphthalene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Nitrobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Phenanthrene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Phenol	**2100**	**J**	3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Pyrene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8600*	*T J N*	*ug/Kg*		*2.40*	*123-42-2*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Tributyl phosphate	*68000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
n-Octadecane	*890*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Unknown	*170000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 18:09*	*5*
Diphenyl phosphate	*25000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Hexatriacontane	*4000*	*T J N*	*ug/Kg*		*10.91*	*630-6-8*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
1-Eicosene	*4500*	*T J N*	*ug/Kg*		*11.12*	*3452-7-1*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Tritetracontane	*6700*	*T J N*	*ug/Kg*		*11.41*	*7098-21-7*	*08/13/12 09:24*	*08/16/12 18:09*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 125*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Nitrobenzene-d5 (Surr)	*54*		*30 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Terphenyl-d14 (Surr)	*86*		*40 - 135*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Phenol-d6 (Surr)	*73*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*65 - 140*		*08/15/12 18:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**180**		10	7.0	mg/Kg		08/15/12 09:03	08/18/12 00:13	1
C23-C40	**330**		10	7.0	mg/Kg		08/15/12 09:03	08/18/12 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*61*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:13*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:29	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5

Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.7**	**J**	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Arsenic	**3.3**		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Barium	**90**		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Beryllium	ND		0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Cadmium	**0.45**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Chromium	**10**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Cobalt	**5.2**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Copper	**22**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Lead	**12**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:14	5
Nickel	**11**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Selenium	ND		2.0	0.98	mg/Kg		08/18/12 12:47	08/22/12 17:14	5
Thallium	ND		9.8	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Vanadium	**23**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Zinc	**57**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Silver	ND		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5

Client Sample ID: SB-20-3

Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,2-Dichlorobenzene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,2-Diphenylhydrazine(as Azobenzene)	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,3-Dichlorobenzene	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,4-Dichlorobenzene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4,5-Trichlorophenol	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4,6-Trichlorophenol	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dichlorophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dimethylphenol	ND		160000	50000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dinitrophenol	ND		330000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dinitrotoluene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,6-Dinitrotoluene	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Chloronaphthalene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Chlorophenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Methylnaphthalene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Nitroaniline	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Nitrophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3,3'-Dichlorobenzidine	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3-Nitroaniline	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4,6-Dinitro-2-methylphenol	ND		210000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Bromophenyl phenyl ether	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chloro-3-methylphenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chloroaniline	ND		160000	60000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chlorophenyl phenyl ether	ND		160000	42000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3-Methylphenol + 4-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Nitroaniline	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250

Client Sample ID: SB-20-3
Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		410000	70000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Acenaphthene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Acenaphthylene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Aniline	ND		210000	42000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Anthracene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzidine	ND		330000	330000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[a]anthracene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[a]pyrene	ND		160000	27000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[b]fluoranthene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[g,h,i]perylene	ND		160000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[k]fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzoic acid	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzyl alcohol	ND		160000	100000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-chloroethoxy)methane	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-chloroethyl)ether	ND		85000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-ethylhexyl) phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Butyl benzyl phthalate	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Chrysene	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dibenz(a,h)anthracene	ND		210000	50000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dibenzofuran	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Diethyl phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dimethyl phthalate	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Di-n-butyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Di-n-octyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Fluorene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorobutadiene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorocyclopentadiene	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachloroethane	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Indeno[1,2,3-cd]pyrene	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Isophorone	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Naphthalene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Nitrobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodi-n-propylamine	ND		120000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodiphenylamine	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Pentachlorophenol	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Phenanthrene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Phenol	**62000**	**J**	160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Pyrene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
bis (2-chloroisopropyl) ether	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*6200000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
n-Octadecane	*67000*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Unknown	*19000000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 18:30*	*250*
Unknown	*350000*	*T J*	*ug/Kg*		*9.13*		*08/13/12 09:24*	*08/16/12 18:30*	*250*
Diphenyl phosphate	*2500000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Client Sample ID: SB-20-3

Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10

Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**230**	**J**	380	140	ug/Kg			08/17/12 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*47*	*X*	*65 - 140*		*08/17/12 03:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**13000**		1500	1000	mg/Kg		08/15/12 09:03	08/17/12 14:13	60
C23-C40	ND		1500	1000	mg/Kg		08/15/12 09:03	08/17/12 14:13	60

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*132*		*40 - 140*	*08/15/12 09:03*	*08/17/12 14:13*	*60*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:42	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	9.9	0.87	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Arsenic	**3.2**		2.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Barium	**64**		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Beryllium	**0.20**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Cadmium	**0.41**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Chromium	**10**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Cobalt	**5.2**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Copper	**16**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Lead	**6.4**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:15	5
Nickel	**8.5**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Selenium	**1.3**	**J B ^**	2.0	0.99	mg/Kg		08/18/12 12:47	08/22/12 17:15	5
Thallium	ND		9.9	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Vanadium	**23**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Zinc	**64**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Silver	ND		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5

Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11

Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,2-Dichlorobenzene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-5
Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,3-Dichlorobenzene	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,4-Dichlorobenzene	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4,5-Trichlorophenol	ND		82000	32000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4,6-Trichlorophenol	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dichlorophenol	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dimethylphenol	ND		82000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dinitrophenol	ND		160000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dinitrotoluene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,6-Dinitrotoluene	ND		82000	24000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Chloronaphthalene	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Chlorophenol	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Methylnaphthalene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Methylphenol	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Nitroaniline	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Nitrophenol	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3,3'-Dichlorobenzidine	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3-Nitroaniline	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4,6-Dinitro-2-methylphenol	ND		100000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Bromophenyl phenyl ether	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chloro-3-methylphenol	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chloroaniline	ND		82000	30000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chlorophenyl phenyl ether	ND		82000	21000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3-Methylphenol + 4-Methylphenol	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Nitroaniline	ND		210000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Nitrophenol	ND		210000	35000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Acenaphthene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Acenaphthylene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Aniline	ND		100000	21000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Anthracene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzidine	ND		160000	160000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[a]anthracene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[a]pyrene	ND		82000	14000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[b]fluoranthene	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[g,h,i]perylene	ND		82000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[k]fluoranthene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzoic acid	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzyl alcohol	ND		82000	50000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-chloroethoxy)methane	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-chloroethyl)ether	ND		42000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-ethylhexyl) phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Butyl benzyl phthalate	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Chrysene	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dibenz(a,h)anthracene	ND		100000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dibenzofuran	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Diethyl phthalate	ND		82000	24000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dimethyl phthalate	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Di-n-butyl phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Di-n-octyl phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Fluoranthene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorobenzene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorobutadiene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorocyclopentadiene	ND		210000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachloroethane	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Indeno[1,2,3-cd]pyrene	ND		82000	32000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Isophorone	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Naphthalene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Nitrobenzene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
N-Nitrosodi-n-propylamine	ND		62000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
N-Nitrosodiphenylamine	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Pentachlorophenol	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Phenanthrene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Phenol	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Pyrene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
bis (2-chloroisopropyl) ether	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*970000*	*T J N*	*ug/Kg*		*7.89*	*126-73-8*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Unknown	*2600000*	*T J*	*ug/Kg*		*8.76*		*08/24/12 13:49*	*08/27/12 06:30*	*250*
Unknown	*98000*	*T J*	*ug/Kg*		*9.34*		*08/24/12 13:49*	*08/27/12 06:30*	*250*
Diphenyl phosphate	*410000*	*T J N*	*ug/Kg*		*9.57*	*838-85-7*	*08/24/12 13:49*	*08/27/12 06:30*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/24/12 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*52*	*X*	*65 - 140*		*08/24/12 19:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**3000**		500	350	mg/Kg		08/23/12 12:19	08/25/12 20:34	20
C23-C40	**370**	**J**	500	350	mg/Kg		08/23/12 12:19	08/25/12 20:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*102*		*40 - 140*	*08/23/12 12:19*	*08/25/12 20:34*	*20*

Client Sample ID: Dup-1

Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: Dup-1
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Acenaphthene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Acenaphthylene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Aniline	ND		4200	850	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Anthracene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzidine	ND		6600	6600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzoic acid	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Chrysene	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dibenzofuran	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Client Sample ID: Dup-1
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Fluorene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachloroethane	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Isophorone	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Naphthalene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Nitrobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Phenanthrene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Phenol	**1400**	**J**	3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Pyrene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9200*	*T J N*	*ug/Kg*		*2.40*	*123-42-2*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Tributyl phosphate	*56000*	*T J N*	*ug/Kg*		*7.68*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
n-Octadecane	*800*	*J*	*ug/Kg*		*8.45*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Unknown	*150000*	*T J*	*ug/Kg*		*8.55*		*08/13/12 09:24*	*08/16/12 18:51*	*5*
Diphenyl phosphate	*24000*	*T J N*	*ug/Kg*		*9.33*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Tritetracontane	*3800*	*T J N*	*ug/Kg*		*11.43*	*7098-21-7*	*08/13/12 09:24*	*08/16/12 18:51*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
2-Fluorophenol (Surr)	*66*		*25 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 125*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Terphenyl-d14 (Surr)	*91*		*40 - 135*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Phenol-d6 (Surr)	*76*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*65 - 140*		*08/15/12 19:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**230**		30	21	mg/Kg		08/15/12 09:03	08/18/12 00:33	3
C23-C40	**240**		30	21	mg/Kg		08/15/12 09:03	08/18/12 00:33	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:33*	*3*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:54	10

Client Sample ID: Dup-1

Lab Sample ID: 440-20036-12

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Arsenic	**2.8**		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Barium	**71**		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Beryllium	**0.20**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Cadmium	**0.34**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Chromium	**9.9**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Cobalt	**5.9**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Copper	**16**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Lead	**7.1**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:17	5
Nickel	**10**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Selenium	ND		2.0	0.98	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Thallium	ND		9.8	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Vanadium	**22**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Zinc	**44**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Silver	ND		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,2-Dichlorobenzene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,2-Diphenylhydrazine(as Azobenzene)	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,3-Dichlorobenzene	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,4-Dichlorobenzene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4,5-Trichlorophenol	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4,6-Trichlorophenol	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dichlorophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dimethylphenol	ND		160000	50000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dinitrophenol	ND		330000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dinitrotoluene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,6-Dinitrotoluene	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Chloronaphthalene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Chlorophenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Methylnaphthalene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Nitroaniline	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Nitrophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3,3'-Dichlorobenzidine	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3-Nitroaniline	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4,6-Dinitro-2-methylphenol	ND		210000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Bromophenyl phenyl ether	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chloro-3-methylphenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chloroaniline	ND		160000	60000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chlorophenyl phenyl ether	ND		160000	42000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3-Methylphenol + 4-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Nitroaniline	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: Dup-2
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-13
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		410000	70000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Acenaphthene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Acenaphthylene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Aniline	ND		210000	42000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Anthracene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzidine	ND		330000	330000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[a]anthracene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[a]pyrene	ND		160000	27000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[b]fluoranthene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[g,h,i]perylene	ND		160000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[k]fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzoic acid	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzyl alcohol	ND		160000	100000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-chloroethoxy)methane	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-chloroethyl)ether	ND		85000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-ethylhexyl) phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Butyl benzyl phthalate	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Chrysene	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dibenz(a,h)anthracene	ND		210000	50000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dibenzofuran	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Diethyl phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dimethyl phthalate	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Di-n-butyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Di-n-octyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Fluorene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorobutadiene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorocyclopentadiene	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachloroethane	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Indeno[1,2,3-cd]pyrene	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Isophorone	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Naphthalene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Nitrobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
N-Nitrosodi-n-propylamine	ND		120000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
N-Nitrosodiphenylamine	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Pentachlorophenol	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Phenanthrene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Phenol	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Pyrene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
bis (2-chloroisopropyl) ether	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*4800000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
n-Octadecane	*44000*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Unknown	*15000000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 19:12*	*250*
Unknown	*170000*	*T J*	*ug/Kg*		*9.16*		*08/13/12 09:24*	*08/16/12 19:12*	*250*
Diphenyl phosphate	*1800000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		360	140	ug/Kg			08/17/12 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*45*	*X*	*65 - 140*		*08/17/12 03:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**12000**		3000	2100	mg/Kg		08/20/12 08:52	08/21/12 13:13	120
C23-C40	ND		3000	2100	mg/Kg		08/20/12 08:52	08/21/12 13:13	120

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*23*	*X*	*40 - 140*	*08/20/12 08:52*	*08/21/12 13:13*	*120*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 13:07	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.8**	**J**	9.9	0.87	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Arsenic	**3.0**		2.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Barium	**63**		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Beryllium	**0.21**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Cadmium	**0.27**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Chromium	**11**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Cobalt	**6.2**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Copper	**15**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Lead	**5.5**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:19	5
Nickel	**9.2**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Selenium	ND		2.0	0.99	mg/Kg		08/18/12 12:47	08/22/12 17:19	5
Thallium	ND		9.9	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Vanadium	**25**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Zinc	**48**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Silver	ND		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5

Client Sample ID: EB-081012

Lab Sample ID: 440-20036-14

Date Collected: 08/10/12 15:28

Matrix: Water

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,2-Dichlorobenzene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,3-Dichlorobenzene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,4-Dichlorobenzene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4,5-Trichlorophenol	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4,6-Trichlorophenol	ND		19	4.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dichlorophenol	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dimethylphenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dinitrophenol	ND		19	7.7	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dinitrotoluene	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,6-Dinitrotoluene	ND	*	9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Chloronaphthalene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Chlorophenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Methylnaphthalene	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Methylphenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Nitroaniline	ND	*	19	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Nitrophenol	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
3,3'-Dichlorobenzidine	ND	*	19	7.2	ug/L		08/16/12 15:58	08/20/12 05:11	1
3-Nitroaniline	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4,6-Dinitro-2-methylphenol	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Bromophenyl phenyl ether	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chloro-3-methylphenol	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chloroaniline	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chlorophenyl phenyl ether	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
3-Methylphenol + 4-Methylphenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Nitroaniline	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Nitrophenol	ND		19	5.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Acenaphthene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Acenaphthylene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Aniline	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Anthracene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzidine	ND		19	9.6	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[a]anthracene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[a]pyrene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[g,h,i]perylene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[k]fluoranthene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzoic acid	ND		19	9.6	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzyl alcohol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethoxy)methane	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethyl)ether	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-ethylhexyl) phthalate	ND	*	48	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Butyl benzyl phthalate	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Chrysene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dibenz(a,h)anthracene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dibenzofuran	ND	*	9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Diethyl phthalate	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dimethyl phthalate	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Di-n-butyl phthalate	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Di-n-octyl phthalate	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Fluoranthene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorobenzene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorobutadiene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorocyclopentadiene	ND		19	4.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachloroethane	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Indeno[1,2,3-cd]pyrene	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Isophorone	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Naphthalene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Nitrobenzene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
N-Nitrosodi-n-propylamine	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
N-Nitrosodiphenylamine	ND	*	9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pentachlorophenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Phenanthrene	ND	*	9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Phenol	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pyrene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
bis (2-chloroisopropyl) ether	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/16/12 15:58*	*08/20/12 05:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*50 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
2-Fluorophenol (Surr)	*58*		*30 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*40 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Terphenyl-d14 (Surr)	*63*		*50 - 125*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Phenol-d6 (Surr)	*62*		*35 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/17/12 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*		*08/17/12 00:50*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.48	0.095	mg/L		08/15/12 13:18	08/15/12 23:37	1
C23-C40	ND		0.48	0.095	mg/L		08/15/12 13:18	08/15/12 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*08/15/12 13:18*	*08/15/12 23:37*	*1*

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Arsenic	**0.0081**	**J B**	0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Barium	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1
Beryllium	ND		0.0040	0.00090	mg/L		08/14/12 07:59	08/15/12 21:46	1
Cadmium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Chromium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Cobalt	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Copper	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:46	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0040	mg/L		08/14/12 07:59	08/15/12 21:46	1
Molybdenum	**0.0022**	**J**	0.020	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Nickel	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Selenium	ND		0.010	0.0080	mg/L		08/14/12 07:59	08/22/12 16:38	1
Thallium	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Vanadium	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:46	1
Zinc	ND		0.020	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1
Silver	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.025	0.0050	mg/L			08/11/12 00:36	1

Client Sample ID: SB-21-0.5

Lab Sample ID: 440-20036-1

Date Collected: 08/09/12 16:02

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		25			45705	08/16/12 17:07	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.47 g	10 mL	45520	08/15/12 15:47	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 22:52	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 11:38	SL	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:16	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:53	MP	TAL IRV

Client Sample ID: SB-21-3

Lab Sample ID: 440-20036-2

Date Collected: 08/09/12 16:28

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		10			45705	08/16/12 17:28	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.54 g	10 mL	45520	08/15/12 17:09	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:12	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 11:51	SL	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:22	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:59	MP	TAL IRV

Client Sample ID: SB-22-0.5

Lab Sample ID: 440-20036-6

Date Collected: 08/10/12 09:44

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		1			45705	08/16/12 17:49	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.3 g	10 mL	45520	08/15/12 17:36	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:33	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:04	SL	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:23	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:01	MP	TAL IRV

Client Sample ID: SB-22-3

Lab Sample ID: 440-20036-7

Date Collected: 08/10/12 11:22

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		1			45705	08/16/12 13:37	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.69 g	10 mL	45520	08/15/12 18:03	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.05 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:53	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:16	SL	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:25	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:12	MP	TAL IRV

Client Sample ID: SB-20-0.5

Lab Sample ID: 440-20036-8

Date Collected: 08/10/12 13:10

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		5			45705	08/16/12 18:09	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.43 g	10 mL	45520	08/15/12 18:30	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/18/12 00:13	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:29	SL	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:27	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:14	MP	TAL IRV

Client Sample ID: SB-20-3

Lab Sample ID: 440-20036-10

Date Collected: 08/10/12 15:02

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		250			45705	08/16/12 18:30	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.31 g	10 mL	45841	08/17/12 03:30	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		60			46023	08/17/12 14:13	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:42	SL	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:29	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:15	MP	TAL IRV

Client Sample ID: SB-20-5

Lab Sample ID: 440-20036-11

Date Collected: 08/10/12 15:20

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	1 mL	47570	08/24/12 13:49	AD	TAL IRV
Total/NA	Analysis	8270C		250			47938	08/27/12 06:30	DF	TAL IRV
Total/NA	Analysis	8015B		1	5.12 g	10 mL	47717	08/24/12 19:47	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	5 mL	47386	08/23/12 12:19	TM	TAL IRV
Total/NA	Analysis	8015B		20			47884	08/25/12 20:34	JR	TAL IRV

Client Sample ID: Dup-1

Lab Sample ID: 440-20036-12

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		5			45705	08/16/12 18:51	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.39 g	10 mL	45520	08/15/12 19:24	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		3			46023	08/18/12 00:33	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:54	SL	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:50	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:17	MP	TAL IRV

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		250			45705	08/16/12 19:12	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.48 g	10 mL	45841	08/17/12 03:57	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	5 mL	46433	08/20/12 08:52	TM	TAL IRV
Total/NA	Analysis	8015B		120			46773	08/21/12 13:13	RR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 13:07	SL	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:52	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:19	MP	TAL IRV

Client Sample ID: EB-081012

Lab Sample ID: 440-20036-14

Date Collected: 08/10/12 15:28

Matrix: Water

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1045 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012

Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		1			46371	08/20/12 05:11	AI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	45781	08/17/12 00:50	RG	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	45525	08/15/12 13:18	AD	TAL IRV
Total/NA	Analysis	8015B		1			45425	08/15/12 23:37	RR	TAL IRV
Dissolved	Prep	3005A			50 mL	50 mL	45116	08/14/12 07:59	EN	TAL IRV
Dissolved	Analysis	6010B		1			45739	08/15/12 21:46	MP	TAL IRV
Dissolved	Analysis	6010B		1			47199	08/22/12 16:38	MP	TAL IRV
Total/NA	Analysis	7196A		1			44700	08/11/12 00:36	SL	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-44894/1-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Chlorophenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Nitroaniline	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Nitrophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3-Nitroaniline	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chloroaniline	ND		330	120	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Nitroaniline	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Nitrophenol	ND		830	140	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Acenaphthene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Acenaphthylene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Aniline	ND		420	85	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Anthracene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzidine	ND		660	660	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzoic acid	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzyl alcohol	ND		330	200	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Chrysene	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dibenzofuran	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Diethyl phthalate	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-44894/1-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Fluorene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachloroethane	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Isophorone	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Naphthalene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Nitrobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Pentachlorophenol	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Phenanthrene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Phenol	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Pyrene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9110*	*T J N*	*ug/Kg*		*2.45*	*123-42-2*	*08/13/12 09:24*	*08/16/12 11:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 125*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Terphenyl-d14 (Surr)	*67*		*40 - 135*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Phenol-d6 (Surr)	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2180		ug/Kg		65	40 - 120
1,2-Dichlorobenzene	3330	2110		ug/Kg		63	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2190		ug/Kg		66	50 - 125
1,3-Dichlorobenzene	3330	2030		ug/Kg		61	35 - 120
1,4-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2210		ug/Kg		66	50 - 120
2,4,6-Trichlorophenol	3330	2510		ug/Kg		75	50 - 120
2,4-Dichlorophenol	3330	2240		ug/Kg		67	45 - 120
2,4-Dimethylphenol	3330	2190		ug/Kg		66	40 - 120
2,4-Dinitrophenol	3330	2190		ug/Kg		66	25 - 120
2,4-Dinitrotoluene	3330	2380		ug/Kg		71	55 - 125
2,6-Dinitrotoluene	3330	2300		ug/Kg		69	55 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3330	2260		ug/Kg		68	45 - 120
2-Chlorophenol	3330	2350		ug/Kg		70	40 - 120
2-Methylnaphthalene	3330	2170		ug/Kg		65	45 - 120
2-Methylphenol	3330	2390		ug/Kg		72	40 - 120
2-Nitroaniline	3330	2270		ug/Kg		68	50 - 125
2-Nitrophenol	3330	2360		ug/Kg		71	45 - 120
3,3'-Dichlorobenzidine	3330	2040		ug/Kg		61	20 - 130
3-Nitroaniline	3330	1910		ug/Kg		57	35 - 120
4,6-Dinitro-2-methylphenol	3330	2250		ug/Kg		67	40 - 120
4-Bromophenyl phenyl ether	3330	2200		ug/Kg		66	45 - 120
4-Chloro-3-methylphenol	3330	2160		ug/Kg		65	50 - 125
4-Chloroaniline	3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	3330	2700		ug/Kg		81	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2390		ug/Kg		72	50 - 120
4-Nitroaniline	3330	2020		ug/Kg		61	45 - 125
4-Nitrophenol	3330	2080		ug/Kg		62	40 - 125
Acenaphthene	3330	2330		ug/Kg		70	50 - 120
Acenaphthylene	3330	2320		ug/Kg		70	50 - 120
Aniline	3330	1830		ug/Kg		55	25 - 120
Anthracene	3330	2180		ug/Kg		65	55 - 120
Benzidine	3330	660		ug/Kg		20	20 - 120
Benzo[a]anthracene	3330	2570		ug/Kg		77	55 - 120
Benzo[a]pyrene	3330	2290		ug/Kg		69	50 - 125
Benzo[b]fluoranthene	3330	2470		ug/Kg		74	45 - 125
Benzo[g,h,i]perylene	3330	3260		ug/Kg		98	35 - 130
Benzo[k]fluoranthene	3330	2710		ug/Kg		81	45 - 125
Benzoic acid	3330	1920		ug/Kg		58	20 - 120
Benzyl alcohol	3330	1920		ug/Kg		58	35 - 120
Bis(2-chloroethoxy)methane	3330	2060		ug/Kg		62	45 - 120
Bis(2-chloroethyl)ether	3330	2050		ug/Kg		62	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2640		ug/Kg		79	50 - 130
Butyl benzyl phthalate	3330	2220		ug/Kg		67	50 - 125
Chrysene	3330	2220		ug/Kg		66	55 - 120
Dibenz(a,h)anthracene	3330	3210		ug/Kg		96	40 - 135
Dibenzofuran	3330	2170		ug/Kg		65	55 - 120
Diethyl phthalate	3330	2420		ug/Kg		72	50 - 125
Dimethyl phthalate	3330	2260		ug/Kg		68	50 - 125
Di-n-butyl phthalate	3330	2050		ug/Kg		62	50 - 125
Di-n-octyl phthalate	3330	2080		ug/Kg		62	50 - 135
Fluoranthene	3330	2180		ug/Kg		65	55 - 120
Fluorene	3330	2500		ug/Kg		75	55 - 120
Hexachlorobenzene	3330	2300		ug/Kg		69	50 - 120
Hexachlorobutadiene	3330	2220		ug/Kg		67	40 - 120
Hexachlorocyclopentadiene	3330	2230		ug/Kg		67	30 - 125
Hexachloroethane	3330	2070		ug/Kg		62	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2490		ug/Kg		75	30 - 135
Isophorone	3330	2130		ug/Kg		64	40 - 120
Naphthalene	3330	2070		ug/Kg		62	45 - 120
Nitrobenzene	3330	2140		ug/Kg		64	45 - 120
N-Nitrosodi-n-propylamine	3330	2210		ug/Kg		66	40 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	3330	2240		ug/Kg		67	50 - 120
Pentachlorophenol	3330	2350		ug/Kg		70	40 - 120
Phenanthrene	3330	2440		ug/Kg		73	50 - 120
Phenol	3330	2390		ug/Kg		72	40 - 120
Pyrene	3330	2050		ug/Kg		62	45 - 125
bis (2-chloroisopropyl) ether	3330	2140		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 120*
2-Fluorophenol (Surr)	*72*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*88*		*35 - 125*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*
Terphenyl-d14 (Surr)	*64*		*40 - 135*
Phenol-d6 (Surr)	*73*		*35 - 120*

Lab Sample ID: 440-20036-7 MS
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3330	1900		ug/Kg		57	40 - 120
1,2-Dichlorobenzene	ND		3330	1830		ug/Kg		55	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2120		ug/Kg		64	50 - 125
1,3-Dichlorobenzene	ND		3330	1740		ug/Kg		52	35 - 120
1,4-Dichlorobenzene	ND		3330	1750		ug/Kg		53	35 - 120
2,4,5-Trichlorophenol	ND		3330	2180		ug/Kg		66	45 - 120
2,4,6-Trichlorophenol	ND		3330	2360		ug/Kg		71	45 - 120
2,4-Dichlorophenol	ND		3330	2080		ug/Kg		62	45 - 120
2,4-Dimethylphenol	ND		3330	2080		ug/Kg		62	30 - 120
2,4-Dinitrophenol	ND		3330	2170		ug/Kg		65	20 - 120
2,4-Dinitrotoluene	ND		3330	2220		ug/Kg		67	50 - 125
2,6-Dinitrotoluene	ND		3330	2180		ug/Kg		65	50 - 125
2-Chloronaphthalene	ND		3330	2100		ug/Kg		63	45 - 120
2-Chlorophenol	ND		3330	2070		ug/Kg		62	40 - 120
2-Methylnaphthalene	ND		3330	1960		ug/Kg		59	40 - 120
2-Methylphenol	ND		3330	2140		ug/Kg		64	40 - 120
2-Nitroaniline	ND		3330	2160		ug/Kg		65	45 - 120
2-Nitrophenol	ND		3330	2100		ug/Kg		63	40 - 120
3,3'-Dichlorobenzidine	ND		3330	2180		ug/Kg		66	20 - 130
3-Nitroaniline	ND		3330	1860		ug/Kg		56	30 - 120
4,6-Dinitro-2-methylphenol	ND		3330	2130		ug/Kg		64	35 - 120
4-Bromophenyl phenyl ether	ND		3330	2130		ug/Kg		64	45 - 120
4-Chloro-3-methylphenol	ND		3330	2100		ug/Kg		63	50 - 125
4-Chloroaniline	ND		3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	ND		3330	2500		ug/Kg		75	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3330	2210		ug/Kg		66	50 - 120
4-Nitroaniline	ND		3330	2000		ug/Kg		60	40 - 125
4-Nitrophenol	ND		3330	1830		ug/Kg		55	35 - 125
Acenaphthene	ND		3330	2170		ug/Kg		65	45 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MS
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		3330	2120		ug/Kg		64	45 - 120
Aniline	ND		3330	1740		ug/Kg		52	25 - 120
Anthracene	ND		3330	2060		ug/Kg		62	55 - 120
Benzidine	ND		3330	685		ug/Kg		21	20 - 120
Benzo[a]anthracene	ND		3330	2470		ug/Kg		74	50 - 120
Benzo[a]pyrene	ND		3330	2300		ug/Kg		69	45 - 125
Benzo[b]fluoranthene	ND		3330	2610		ug/Kg		78	45 - 125
Benzo[g,h,i]perylene	ND		3330	3310		ug/Kg		99	25 - 130
Benzo[k]fluoranthene	ND		3330	2830		ug/Kg		85	45 - 125
Benzoic acid	ND		3330	2220		ug/Kg		67	20 - 120
Benzyl alcohol	ND		3330	1950		ug/Kg		59	20 - 120
Bis(2-chloroethoxy)methane	ND		3330	1830		ug/Kg		55	45 - 120
Bis(2-chloroethyl)ether	ND		3330	1760		ug/Kg		53	35 - 110
Bis(2-ethylhexyl) phthalate	ND		3330	2660		ug/Kg		80	45 - 130
Butyl benzyl phthalate	ND		3330	2210		ug/Kg		67	45 - 125
Chrysene	ND		3330	2120		ug/Kg		64	55 - 120
Dibenz(a,h)anthracene	ND		3330	2860		ug/Kg		86	25 - 135
Dibenzofuran	ND		3330	2010		ug/Kg		60	50 - 120
Diethyl phthalate	ND		3330	2300		ug/Kg		69	50 - 125
Dimethyl phthalate	ND		3330	2130		ug/Kg		64	45 - 125
Di-n-butyl phthalate	ND		3330	2010		ug/Kg		60	50 - 125
Di-n-octyl phthalate	ND		3330	2140		ug/Kg		64	50 - 135
Fluoranthene	ND		3330	1990		ug/Kg		60	45 - 120
Fluorene	ND		3330	2360		ug/Kg		71	50 - 120
Hexachlorobenzene	ND		3330	2220		ug/Kg		67	50 - 120
Hexachlorobutadiene	ND		3330	1940		ug/Kg		58	40 - 120
Hexachlorocyclopentadiene	ND		3330	1350		ug/Kg		41	20 - 125
Hexachloroethane	ND		3330	1760		ug/Kg		53	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2290		ug/Kg		69	20 - 130
Isophorone	ND		3330	1920		ug/Kg		58	40 - 120
Naphthalene	ND		3330	1800		ug/Kg		54	40 - 120
Nitrobenzene	ND		3330	1850		ug/Kg		56	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2000		ug/Kg		60	35 - 120
N-Nitrosodiphenylamine	ND		3330	2220		ug/Kg		67	45 - 125
Pentachlorophenol	ND		3330	2280		ug/Kg		69	30 - 120
Phenanthrene	ND		3330	2360		ug/Kg		71	50 - 120
Phenol	ND		3330	2120		ug/Kg		64	40 - 120
Pyrene	ND		3330	1960		ug/Kg		59	40 - 125
bis (2-chloroisopropyl) ether	ND		3330	1860		ug/Kg		56	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 120*
2-Fluorophenol (Surr)	*62*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 125*
Nitrobenzene-d5 (Surr)	*57*		*30 - 120*
Terphenyl-d14 (Surr)	*62*		*40 - 135*
Phenol-d6 (Surr)	*65*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MSD
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	2090		ug/Kg		63	40 - 120	9	25
1,2-Dichlorobenzene	ND		3330	2020		ug/Kg		61	40 - 120	10	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2230		ug/Kg		67	50 - 125	5	25
1,3-Dichlorobenzene	ND		3330	1930		ug/Kg		58	35 - 120	10	25
1,4-Dichlorobenzene	ND		3330	1940		ug/Kg		58	35 - 120	10	25
2,4,5-Trichlorophenol	ND		3330	2330		ug/Kg		70	45 - 120	7	20
2,4,6-Trichlorophenol	ND		3330	2510		ug/Kg		75	45 - 120	6	25
2,4-Dichlorophenol	ND		3330	2260		ug/Kg		68	45 - 120	9	25
2,4-Dimethylphenol	ND		3330	2240		ug/Kg		67	30 - 120	8	25
2,4-Dinitrophenol	ND		3330	2270		ug/Kg		68	20 - 120	5	25
2,4-Dinitrotoluene	ND		3330	2390		ug/Kg		72	50 - 125	7	25
2,6-Dinitrotoluene	ND		3330	2300		ug/Kg		69	50 - 125	5	20
2-Chloronaphthalene	ND		3330	2270		ug/Kg		68	45 - 120	8	20
2-Chlorophenol	ND		3330	2240		ug/Kg		67	40 - 120	8	20
2-Methylnaphthalene	ND		3330	2140		ug/Kg		64	40 - 120	9	20
2-Methylphenol	ND		3330	2270		ug/Kg		68	40 - 120	6	25
2-Nitroaniline	ND		3330	2320		ug/Kg		70	45 - 120	7	25
2-Nitrophenol	ND		3330	2290		ug/Kg		69	40 - 120	8	25
3,3'-Dichlorobenzidine	ND		3330	2230		ug/Kg		67	20 - 130	2	25
3-Nitroaniline	ND		3330	1840		ug/Kg		55	30 - 120	1	25
4,6-Dinitro-2-methylphenol	ND		3330	2210		ug/Kg		66	35 - 120	4	25
4-Bromophenyl phenyl ether	ND		3330	2220		ug/Kg		67	45 - 120	4	20
4-Chloro-3-methylphenol	ND		3330	2190		ug/Kg		66	50 - 125	4	25
4-Chloroaniline	ND		3330	1880		ug/Kg		57	20 - 120	2	30
4-Chlorophenyl phenyl ether	ND		3330	2670		ug/Kg		80	50 - 120	6	25
3-Methylphenol + 4-Methylphenol	ND		3330	2330		ug/Kg		70	50 - 120	5	25
4-Nitroaniline	ND		3330	2090		ug/Kg		63	40 - 125	4	30
4-Nitrophenol	ND		3330	2290		ug/Kg		69	35 - 125	22	30
Acenaphthene	ND		3330	2340		ug/Kg		70	45 - 120	7	25
Acenaphthylene	ND		3330	2290		ug/Kg		69	45 - 120	8	20
Aniline	ND		3330	1970		ug/Kg		59	25 - 120	12	30
Anthracene	ND		3330	2170		ug/Kg		65	55 - 120	5	25
Benzidine	ND		3330	789		ug/Kg		24	20 - 120	14	30
Benzo[a]anthracene	ND		3330	2550		ug/Kg		77	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2320		ug/Kg		70	45 - 125	1	25
Benzo[b]fluoranthene	ND		3330	2630		ug/Kg		79	45 - 125	1	30
Benzo[g,h,i]perylene	ND		3330	3330		ug/Kg		100	25 - 130	1	30
Benzo[k]fluoranthene	ND		3330	2820		ug/Kg		85	45 - 125	0	30
Benzoic acid	ND		3330	2220		ug/Kg		67	20 - 120	0	30
Benzyl alcohol	ND		3330	2100		ug/Kg		63	20 - 120	8	30
Bis(2-chloroethoxy)methane	ND		3330	2000		ug/Kg		60	45 - 120	9	25
Bis(2-chloroethyl)ether	ND		3330	1940		ug/Kg		58	35 - 110	10	25
Bis(2-ethylhexyl) phthalate	ND		3330	2760		ug/Kg		83	45 - 130	4	25
Butyl benzyl phthalate	ND		3330	2330		ug/Kg		70	45 - 125	5	25
Chrysene	ND		3330	2220		ug/Kg		67	55 - 120	5	25
Dibenz(a,h)anthracene	ND		3330	2910		ug/Kg		87	25 - 135	2	30
Dibenzofuran	ND		3330	2160		ug/Kg		65	50 - 120	7	25
Diethyl phthalate	ND		3330	2400		ug/Kg		72	50 - 125	5	25
Dimethyl phthalate	ND		3330	2240		ug/Kg		67	45 - 125	5	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MSD
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		3330	2070		ug/Kg		62	50 - 125	3	25
Di-n-octyl phthalate	ND		3330	2230		ug/Kg		67	50 - 135	4	25
Fluoranthene	ND		3330	2030		ug/Kg		61	45 - 120	2	25
Fluorene	ND		3330	2480		ug/Kg		74	50 - 120	5	25
Hexachlorobenzene	ND		3330	2280		ug/Kg		69	50 - 120	3	25
Hexachlorobutadiene	ND		3330	2160		ug/Kg		65	40 - 120	11	25
Hexachlorocyclopentadiene	ND		3330	1490		ug/Kg		45	20 - 125	10	30
Hexachloroethane	ND		3330	1970		ug/Kg		59	35 - 120	11	30
Indeno[1,2,3-cd]pyrene	ND		3330	2340		ug/Kg		70	20 - 130	2	30
Isophorone	ND		3330	2050		ug/Kg		62	40 - 120	7	25
Naphthalene	ND		3330	2010		ug/Kg		60	40 - 120	11	25
Nitrobenzene	ND		3330	2080		ug/Kg		62	40 - 120	11	25
N-Nitrosodi-n-propylamine	ND		3330	2140		ug/Kg		64	35 - 120	7	25
N-Nitrosodiphenylamine	ND		3330	2270		ug/Kg		68	45 - 125	2	25
Pentachlorophenol	ND		3330	2340		ug/Kg		70	30 - 120	3	25
Phenanthrene	ND		3330	2430		ug/Kg		73	50 - 120	3	25
Phenol	ND		3330	2330		ug/Kg		70	40 - 120	10	25
Pyrene	ND		3330	2030		ug/Kg		61	40 - 125	3	30
bis (2-chloroisopropyl) ether	ND		3330	2030		ug/Kg		61	40 - 120	9	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 120*
2-Fluorophenol (Surr)	*68*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*87*		*35 - 125*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*
Terphenyl-d14 (Surr)	*64*		*40 - 135*
Phenol-d6 (Surr)	*70*		*35 - 120*

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,3-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,4-Dichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,5-Trichlorophenol	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,6-Trichlorophenol	ND		20	4.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dichlorophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dimethylphenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrophenol	ND		20	8.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chloronaphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chlorophenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylnaphthalene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		20	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Nitrophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Nitroaniline	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloro-3-methylphenol	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloroaniline	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chlorophenyl phenyl ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Methylphenol + 4-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitroaniline	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitrophenol	ND		20	5.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthylene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Aniline	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzidine	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]pyrene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[b]fluoranthene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[g,h,i]perylene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[k]fluoranthene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzoic acid	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzyl alcohol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethoxy)methane	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethyl)ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-ethylhexyl) phthalate	6.07	J	50	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Butyl benzyl phthalate	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Chrysene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenz(a,h)anthracene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenzofuran	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Diethyl phthalate	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dimethyl phthalate	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-butyl phthalate	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-octyl phthalate	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluoranthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1,2,3-cd]pyrene	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Isophorone	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Naphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenanthrene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenol	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
bis (2-chloroisopropyl) ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tritetracontane	*8.41*	*T J N*	*ug/L*		*10.52*	*7098-21-7*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*50 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2-Fluorophenol (Surr)	*49*		*30 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*40 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Terphenyl-d14 (Surr)	*71*		*50 - 125*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Phenol-d6 (Surr)	*58*		*35 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	46.0		ug/L		46	45 - 120
1,2-Dichlorobenzene	100	44.6		ug/L		45	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	100	61.3		ug/L		61	60 - 120
1,3-Dichlorobenzene	100	41.2		ug/L		41	35 - 120
1,4-Dichlorobenzene	100	42.1		ug/L		42	35 - 120
2,4,5-Trichlorophenol	100	57.2		ug/L		57	55 - 120
2,4,6-Trichlorophenol	100	58.3		ug/L		58	55 - 120
2,4-Dichlorophenol	100	57.6		ug/L		58	55 - 120
2,4-Dimethylphenol	100	52.9		ug/L		53	40 - 120
2,4-Dinitrophenol	100	63.5		ug/L		63	40 - 120
2,4-Dinitrotoluene	100	65.6		ug/L		66	65 - 120
2,6-Dinitrotoluene	100	61.3	*	ug/L		61	65 - 120
2-Chloronaphthalene	100	55.3	*	ug/L		55	60 - 120
2-Chlorophenol	100	53.9		ug/L		54	45 - 120
2-Methylnaphthalene	100	55.3		ug/L		55	55 - 120
2-Methylphenol	100	58.7		ug/L		59	50 - 120
2-Nitroaniline	100	62.2	*	ug/L		62	65 - 120
2-Nitrophenol	100	59.8		ug/L		60	50 - 120
3,3'-Dichlorobenzidine	100	42.7	*	ug/L		43	45 - 135
3-Nitroaniline	100	60.6		ug/L		61	60 - 120
4,6-Dinitro-2-methylphenol	100	63.2		ug/L		63	45 - 120
4-Bromophenyl phenyl ether	100	59.0	*	ug/L		59	60 - 120
4-Chloro-3-methylphenol	100	60.4		ug/L		60	60 - 120
4-Chloroaniline	100	63.3		ug/L		63	55 - 120
4-Chlorophenyl phenyl ether	100	55.7	*	ug/L		56	65 - 120
3-Methylphenol + 4-Methylphenol	100	61.8		ug/L		62	50 - 120
4-Nitroaniline	100	61.5		ug/L		61	55 - 125
4-Nitrophenol	100	59.8		ug/L		60	45 - 120
Acenaphthene	100	57.2	*	ug/L		57	60 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	100	60.6		ug/L		61	60 - 120
Aniline	100	64.9		ug/L		65	35 - 120
Anthracene	100	60.5	*	ug/L		60	65 - 120
Benzidine	100	62.6		ug/L		63	30 - 160
Benzo[a]anthracene	100	60.5	*	ug/L		60	65 - 120
Benzo[a]pyrene	100	60.4		ug/L		60	55 - 130
Benzo[b]fluoranthene	100	61.9		ug/L		62	55 - 125
Benzo[g,h,i]perylene	100	74.7		ug/L		75	45 - 135
Benzo[k]fluoranthene	100	62.3		ug/L		62	50 - 125
Benzoic acid	100	57.9		ug/L		58	25 - 120
Benzyl alcohol	100	66.9		ug/L		67	50 - 120
Bis(2-chloroethoxy)methane	100	59.4		ug/L		59	55 - 120
Bis(2-chloroethyl)ether	100	57.7		ug/L		58	50 - 120
Bis(2-ethylhexyl) phthalate	100	56.5	*	ug/L		56	65 - 130
Butyl benzyl phthalate	100	62.7		ug/L		63	55 - 130
Chrysene	100	61.0	*	ug/L		61	65 - 120
Dibenz(a,h)anthracene	100	58.2		ug/L		58	50 - 135
Dibenzofuran	100	58.4	*	ug/L		58	65 - 120
Diethyl phthalate	100	63.5		ug/L		63	55 - 120
Dimethyl phthalate	100	60.4		ug/L		60	30 - 120
Di-n-butyl phthalate	100	59.7		ug/L		60	60 - 125
Di-n-octyl phthalate	100	66.6		ug/L		67	65 - 135
Fluoranthene	100	59.9		ug/L		60	60 - 120
Fluorene	100	58.4	*	ug/L		58	65 - 120
Hexachlorobenzene	100	58.6	*	ug/L		59	60 - 120
Hexachlorobutadiene	100	40.4		ug/L		40	40 - 120
Hexachlorocyclopentadiene	100	42.9		ug/L		43	25 - 120
Hexachloroethane	100	38.5		ug/L		39	35 - 120
Indeno[1,2,3-cd]pyrene	100	68.4		ug/L		68	45 - 135
Isophorone	100	63.5		ug/L		64	50 - 120
Naphthalene	100	51.9	*	ug/L		52	55 - 120
Nitrobenzene	100	59.4		ug/L		59	55 - 120
N-Nitrosodi-n-propylamine	100	70.4		ug/L		70	45 - 120
N-Nitrosodiphenylamine	100	57.4	*	ug/L		57	60 - 120
Pentachlorophenol	100	61.1		ug/L		61	24 - 121
Phenanthrene	100	59.9	*	ug/L		60	65 - 120
Phenol	100	51.6		ug/L		52	40 - 120
Pyrene	100	59.2		ug/L		59	55 - 125
bis (2-chloroisopropyl) ether	100	58.9		ug/L		59	45 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*62*		*45 - 120*
Terphenyl-d14 (Surr)	*61*		*50 - 125*
Phenol-d6 (Surr)	*51*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	48.1		ug/L		48	45 - 120	5	20
1,2-Dichlorobenzene	100	44.0		ug/L		44	40 - 120	1	25
1,2-Diphenylhydrazine(as Azobenzene)	100	64.6		ug/L		65	60 - 120	5	25
1,3-Dichlorobenzene	100	41.1		ug/L		41	35 - 120	0	25
1,4-Dichlorobenzene	100	42.6		ug/L		43	35 - 120	1	25
2,4,5-Trichlorophenol	100	63.3		ug/L		63	55 - 120	10	30
2,4,6-Trichlorophenol	100	63.8		ug/L		64	55 - 120	9	30
2,4-Dichlorophenol	100	59.1		ug/L		59	55 - 120	2	20
2,4-Dimethylphenol	100	52.6		ug/L		53	40 - 120	0	25
2,4-Dinitrophenol	100	63.2		ug/L		63	40 - 120	1	25
2,4-Dinitrotoluene	100	68.4		ug/L		68	65 - 120	4	20
2,6-Dinitrotoluene	100	66.8		ug/L		67	65 - 120	9	20
2-Chloronaphthalene	100	59.2	*	ug/L		59	60 - 120	7	20
2-Chlorophenol	100	52.1		ug/L		52	45 - 120	4	25
2-Methylnaphthalene	100	57.3		ug/L		57	55 - 120	4	20
2-Methylphenol	100	56.7		ug/L		57	50 - 120	4	20
2-Nitroaniline	100	67.3		ug/L		67	65 - 120	8	20
2-Nitrophenol	100	62.8		ug/L		63	50 - 120	5	25
3,3'-Dichlorobenzidine	100	54.1		ug/L		54	45 - 135	24	25
3-Nitroaniline	100	64.5		ug/L		65	60 - 120	6	25
4,6-Dinitro-2-methylphenol	100	65.6		ug/L		66	45 - 120	4	25
4-Bromophenyl phenyl ether	100	62.7		ug/L		63	60 - 120	6	25
4-Chloro-3-methylphenol	100	63.0		ug/L		63	60 - 120	4	25
4-Chloroaniline	100	63.7		ug/L		64	55 - 120	1	25
4-Chlorophenyl phenyl ether	100	57.0	*	ug/L		57	65 - 120	2	20
3-Methylphenol + 4-Methylphenol	100	59.9		ug/L		60	50 - 120	3	20
4-Nitroaniline	100	66.9		ug/L		67	55 - 125	8	20
4-Nitrophenol	100	68.5		ug/L		68	45 - 120	14	30
Acenaphthene	100	63.0		ug/L		63	60 - 120	10	20
Acenaphthylene	100	65.8		ug/L		66	60 - 120	8	20
Aniline	100	64.3		ug/L		64	35 - 120	1	30
Anthracene	100	64.8		ug/L		65	65 - 120	7	20
Benzidine	100	63.3		ug/L		63	30 - 160	1	35
Benzo[a]anthracene	100	64.6		ug/L		65	65 - 120	7	20
Benzo[a]pyrene	100	65.8		ug/L		66	55 - 130	9	25
Benzo[b]fluoranthene	100	65.4		ug/L		65	55 - 125	5	25
Benzo[g,h,i]perylene	100	81.3		ug/L		81	45 - 135	8	25
Benzo[k]fluoranthene	100	67.8		ug/L		68	50 - 125	8	20
Benzoic acid	100	63.5		ug/L		63	25 - 120	9	30
Benzyl alcohol	100	65.4		ug/L		65	50 - 120	2	20
Bis(2-chloroethoxy)methane	100	62.6		ug/L		63	55 - 120	5	20
Bis(2-chloroethyl)ether	100	57.8		ug/L		58	50 - 120	0	20
Bis(2-ethylhexyl) phthalate	100	61.9	*	ug/L		62	65 - 130	9	20
Butyl benzyl phthalate	100	68.1		ug/L		68	55 - 130	8	20
Chrysene	100	65.5		ug/L		66	65 - 120	7	20
Dibenz(a,h)anthracene	100	62.0		ug/L		62	50 - 135	6	25
Dibenzofuran	100	63.5	*	ug/L		63	65 - 120	8	20
Diethyl phthalate	100	66.6		ug/L		67	55 - 120	5	30
Dimethyl phthalate	100	64.2		ug/L		64	30 - 120	6	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate			100	63.6		ug/L		64	60 - 125	6	20
Di-n-octyl phthalate			100	75.4		ug/L		75	65 - 135	12	20
Fluoranthene			100	64.5		ug/L		65	60 - 120	7	20
Fluorene			100	61.3	*	ug/L		61	65 - 120	5	20
Hexachlorobenzene			100	62.0		ug/L		62	60 - 120	6	20
Hexachlorobutadiene			100	42.2		ug/L		42	40 - 120	4	25
Hexachlorocyclopentadiene			100	44.8		ug/L		45	25 - 120	4	30
Hexachloroethane			100	37.8		ug/L		38	35 - 120	2	25
Indeno[1,2,3-cd]pyrene			100	74.0		ug/L		74	45 - 135	8	25
Isophorone			100	67.2		ug/L		67	50 - 120	6	20
Naphthalene			100	54.6		ug/L		55	55 - 120	5	20
Nitrobenzene			100	61.5		ug/L		61	55 - 120	4	25
N-Nitrosodi-n-propylamine			100	68.9		ug/L		69	45 - 120	2	20
N-Nitrosodiphenylamine			100	61.5		ug/L		61	60 - 120	7	20
Pentachlorophenol			100	64.8		ug/L		65	24 - 121	6	25
Phenanthrene			100	63.3	*	ug/L		63	65 - 120	6	20
Phenol			100	49.4		ug/L		49	40 - 120	4	25
Pyrene			100	63.2		ug/L		63	55 - 125	7	25
bis (2-chloroisopropyl) ether			100	58.3		ug/L		58	45 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*64*		*45 - 120*
Terphenyl-d14 (Surr)	*63*		*50 - 125*
Phenol-d6 (Surr)	*50*		*35 - 120*

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Chlorophenol	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Methylphenol	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Nitrophenol	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3-Nitroaniline	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chloroaniline	ND		330	120	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Nitroaniline	ND		830	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Nitrophenol	ND		830	140	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Acenaphthene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Acenaphthylene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Aniline	ND		420	85	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Anthracene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzidine	ND		660	660	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzoic acid	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzyl alcohol	ND		330	200	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Chrysene	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dibenzofuran	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Diethyl phthalate	ND		330	95	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Fluoranthene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Fluorene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachloroethane	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Isophorone	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Naphthalene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Nitrobenzene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Pentachlorophenol	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenanthrene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenol	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane, 2-methoxy-2-methyl-	*1190*	*T J N*	*ug/Kg*		*1.60*	*994-5-8*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Unknown	*7720*	*T J*	*ug/Kg*		*2.95*		*08/24/12 07:27*	*08/27/12 02:40*	*1*
1-Eicosanol	*299*	*T J N*	*ug/Kg*		*10.65*	*629-96-9*	*08/24/12 07:27*	*08/27/12 02:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
2-Fluorophenol (Surr)	*74*		*25 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 125*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Terphenyl-d14 (Surr)	*77*		*40 - 135*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Phenol-d6 (Surr)	*73*		*35 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*

Lab Sample ID: LCS 440-47570/2-A
Matrix: Solid
Analysis Batch: 48139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2110		ug/Kg		63	40 - 120
1,2-Dichlorobenzene	3330	2060		ug/Kg		62	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2220		ug/Kg		67	50 - 125
1,3-Dichlorobenzene	3330	2010		ug/Kg		60	35 - 120
1,4-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2560		ug/Kg		77	50 - 120
2,4,6-Trichlorophenol	3330	2470		ug/Kg		74	50 - 120
2,4-Dichlorophenol	3330	2330		ug/Kg		70	45 - 120
2,4-Dimethylphenol	3330	2230		ug/Kg		67	40 - 120
2,4-Dinitrophenol	3330	2400		ug/Kg		72	25 - 120
2,4-Dinitrotoluene	3330	2420		ug/Kg		72	55 - 125
2,6-Dinitrotoluene	3330	2300		ug/Kg		69	55 - 125
2-Chloronaphthalene	3330	2190		ug/Kg		66	45 - 120
2-Chlorophenol	3330	2300		ug/Kg		69	40 - 120
2-Methylnaphthalene	3330	2250		ug/Kg		67	45 - 120
2-Methylphenol	3330	2290		ug/Kg		69	40 - 120
2-Nitroaniline	3330	2430		ug/Kg		73	50 - 125
2-Nitrophenol	3330	2190		ug/Kg		66	45 - 120
3,3'-Dichlorobenzidine	3330	1630		ug/Kg		49	20 - 130
3-Nitroaniline	3330	1830		ug/Kg		55	35 - 120
4,6-Dinitro-2-methylphenol	3330	2500		ug/Kg		75	40 - 120
4-Bromophenyl phenyl ether	3330	2540		ug/Kg		76	45 - 120
4-Chloro-3-methylphenol	3330	2280		ug/Kg		68	50 - 125
4-Chloroaniline	3330	1200		ug/Kg		36	20 - 120
4-Chlorophenyl phenyl ether	3330	2420		ug/Kg		73	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2290		ug/Kg		69	50 - 120
4-Nitroaniline	3330	2430		ug/Kg		73	45 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-47570/2-A
Matrix: Solid
Analysis Batch: 48139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	3330	2260		ug/Kg		68	40 - 125
Acenaphthene	3330	2250		ug/Kg		68	50 - 120
Acenaphthylene	3330	2400		ug/Kg		72	50 - 120
Aniline	3330	1940		ug/Kg		58	25 - 120
Anthracene	3330	2390		ug/Kg		72	55 - 120
Benzidine	3330	1580		ug/Kg		47	20 - 120
Benzo[a]anthracene	3330	2400		ug/Kg		72	55 - 120
Benzo[a]pyrene	3330	2370		ug/Kg		71	50 - 125
Benzo[b]fluoranthene	3330	2210		ug/Kg		66	45 - 125
Benzo[g,h,i]perylene	3330	2460		ug/Kg		74	35 - 130
Benzo[k]fluoranthene	3330	2490		ug/Kg		75	45 - 125
Benzoic acid	3330	1760		ug/Kg		53	20 - 120
Benzyl alcohol	3330	2160		ug/Kg		65	35 - 120
Bis(2-chloroethoxy)methane	3330	2050		ug/Kg		62	45 - 120
Bis(2-chloroethyl)ether	3330	2060		ug/Kg		62	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2200		ug/Kg		66	50 - 130
Butyl benzyl phthalate	3330	2140		ug/Kg		64	50 - 125
Chrysene	3330	2250		ug/Kg		68	55 - 120
Dibenz(a,h)anthracene	3330	2550		ug/Kg		76	40 - 135
Dibenzofuran	3330	2370		ug/Kg		71	55 - 120
Diethyl phthalate	3330	2350		ug/Kg		70	50 - 125
Dimethyl phthalate	3330	2240		ug/Kg		67	50 - 125
Di-n-butyl phthalate	3330	2260		ug/Kg		68	50 - 125
Di-n-octyl phthalate	3330	2140		ug/Kg		64	50 - 135
Fluoranthene	3330	2400		ug/Kg		72	55 - 120
Fluorene	3330	2430		ug/Kg		73	55 - 120
Hexachlorobenzene	3330	2320		ug/Kg		70	50 - 120
Hexachlorobutadiene	3330	2000		ug/Kg		60	40 - 120
Hexachlorocyclopentadiene	3330	2410		ug/Kg		72	30 - 125
Hexachloroethane	3330	1910		ug/Kg		57	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2390		ug/Kg		72	30 - 135
Isophorone	3330	2100		ug/Kg		63	40 - 120
Naphthalene	3330	2100		ug/Kg		63	45 - 120
Nitrobenzene	3330	2080		ug/Kg		62	45 - 120
N-Nitrosodi-n-propylamine	3330	2280		ug/Kg		68	40 - 120
N-Nitrosodiphenylamine	3330	2380		ug/Kg		71	50 - 120
Pentachlorophenol	3330	2340		ug/Kg		70	40 - 120
Phenanthrene	3330	2400		ug/Kg		72	50 - 120
Phenol	3330	2310		ug/Kg		69	40 - 120
Pyrene	3330	2340		ug/Kg		70	45 - 125
bis (2-chloroisopropyl) ether	3330	2460		ug/Kg		74	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 120*
2-Fluorophenol (Surr)	*68*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 125*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*
Terphenyl-d14 (Surr)	*73*		*40 - 135*
Phenol-d6 (Surr)	*69*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-A MS
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3330	2150		ug/Kg		65	40 - 120
1,2-Dichlorobenzene	ND		3330	2100		ug/Kg		63	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2470		ug/Kg		74	50 - 125
1,3-Dichlorobenzene	ND		3330	2030		ug/Kg		61	35 - 120
1,4-Dichlorobenzene	ND		3330	2010		ug/Kg		61	35 - 120
2,4,5-Trichlorophenol	ND		3330	2760		ug/Kg		83	45 - 120
2,4,6-Trichlorophenol	ND		3330	2570		ug/Kg		77	45 - 120
2,4-Dichlorophenol	ND		3330	2500		ug/Kg		75	45 - 120
2,4-Dimethylphenol	ND		3330	2040		ug/Kg		61	30 - 120
2,4-Dinitrophenol	ND		3330	553	J F	ug/Kg		17	20 - 120
2,4-Dinitrotoluene	ND		3330	2540		ug/Kg		76	50 - 125
2,6-Dinitrotoluene	ND		3330	2570		ug/Kg		77	50 - 125
2-Chloronaphthalene	ND		3330	2290		ug/Kg		69	45 - 120
2-Chlorophenol	ND		3330	2290		ug/Kg		69	40 - 120
2-Methylnaphthalene	ND		3330	2360		ug/Kg		71	40 - 120
2-Methylphenol	ND		3330	2380		ug/Kg		71	40 - 120
2-Nitroaniline	ND		3330	2680		ug/Kg		80	45 - 120
2-Nitrophenol	ND		3330	2340		ug/Kg		70	40 - 120
3,3'-Dichlorobenzidine	ND		3330	2050		ug/Kg		62	20 - 130
3-Nitroaniline	ND		3330	2170		ug/Kg		65	30 - 120
4,6-Dinitro-2-methylphenol	ND		3330	1750		ug/Kg		52	35 - 120
4-Bromophenyl phenyl ether	ND		3330	2500		ug/Kg		75	45 - 120
4-Chloro-3-methylphenol	ND		3330	2690		ug/Kg		81	50 - 125
4-Chloroaniline	ND		3330	1820		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	ND		3330	2730		ug/Kg		82	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3330	2500		ug/Kg		75	50 - 120
4-Nitroaniline	ND		3330	2590		ug/Kg		78	40 - 125
4-Nitrophenol	ND		3330	2800		ug/Kg		84	35 - 125
Acenaphthene	ND		3330	2330		ug/Kg		70	45 - 120
Acenaphthylene	ND		3330	2540		ug/Kg		76	45 - 120
Aniline	ND		3330	2300		ug/Kg		69	25 - 120
Anthracene	ND		3330	2540		ug/Kg		76	55 - 120
Benzidine	ND		3330	737		ug/Kg		22	20 - 120
Benzo[a]anthracene	ND		3330	2420		ug/Kg		73	50 - 120
Benzo[a]pyrene	ND		3330	2520		ug/Kg		76	45 - 125
Benzo[b]fluoranthene	ND		3330	2590		ug/Kg		78	45 - 125
Benzo[g,h,i]perylene	ND		3330	2830		ug/Kg		85	25 - 130
Benzo[k]fluoranthene	ND		3330	2650		ug/Kg		79	45 - 125
Benzoic acid	ND		3330	319	J F	ug/Kg		10	20 - 120
Benzyl alcohol	ND		3330	2530		ug/Kg		76	20 - 120
Bis(2-chloroethoxy)methane	ND		3330	2240		ug/Kg		67	45 - 120
Bis(2-chloroethyl)ether	ND		3330	2140		ug/Kg		64	35 - 110
Bis(2-ethylhexyl) phthalate	100	J	3330	2540		ug/Kg		73	45 - 130
Butyl benzyl phthalate	ND		3330	2580		ug/Kg		78	45 - 125
Chrysene	ND		3330	2490		ug/Kg		75	55 - 120
Dibenz(a,h)anthracene	ND		3330	2800		ug/Kg		84	25 - 135
Dibenzofuran	ND		3330	2430		ug/Kg		73	50 - 120
Diethyl phthalate	ND		3330	2700		ug/Kg		81	50 - 125
Dimethyl phthalate	ND		3330	2590		ug/Kg		78	45 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-A MS
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	ND		3330	2190		ug/Kg		66	50 - 125
Di-n-octyl phthalate	ND		3330	2820		ug/Kg		85	50 - 135
Fluoranthene	ND		3330	2440		ug/Kg		73	45 - 120
Fluorene	ND		3330	2330		ug/Kg		70	50 - 120
Hexachlorobenzene	ND		3330	2530		ug/Kg		76	50 - 120
Hexachlorobutadiene	ND		3330	2110		ug/Kg		63	40 - 120
Hexachlorocyclopentadiene	ND		3330	2520		ug/Kg		76	20 - 125
Hexachloroethane	ND		3330	2100		ug/Kg		63	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2640		ug/Kg		79	20 - 130
Isophorone	ND		3330	2490		ug/Kg		75	40 - 120
Naphthalene	ND		3330	2190		ug/Kg		66	40 - 120
Nitrobenzene	ND		3330	2250		ug/Kg		68	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2560		ug/Kg		77	35 - 120
N-Nitrosodiphenylamine	ND		3330	2610		ug/Kg		78	45 - 125
Pentachlorophenol	ND		3330	2330		ug/Kg		70	30 - 120
Phenanthrene	ND		3330	2530		ug/Kg		76	50 - 120
Phenol	ND		3330	2530		ug/Kg		76	40 - 120
Pyrene	ND		3330	2560		ug/Kg		77	40 - 125
bis (2-chloroisopropyl) ether	ND		3330	2270		ug/Kg		68	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*35 - 120*
2-Fluorophenol (Surr)	*72*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*
Nitrobenzene-d5 (Surr)	*70*		*30 - 120*
Terphenyl-d14 (Surr)	*79*		*40 - 135*
Phenol-d6 (Surr)	*77*		*35 - 120*

Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	1960		ug/Kg		59	40 - 120	9	25
1,2-Dichlorobenzene	ND		3330	1920		ug/Kg		58	40 - 120	9	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2240		ug/Kg		67	50 - 125	10	25
1,3-Dichlorobenzene	ND		3330	1860		ug/Kg		56	35 - 120	9	25
1,4-Dichlorobenzene	ND		3330	1860		ug/Kg		56	35 - 120	8	25
2,4,5-Trichlorophenol	ND		3330	2530		ug/Kg		76	45 - 120	9	20
2,4,6-Trichlorophenol	ND		3330	2360		ug/Kg		71	45 - 120	8	25
2,4-Dichlorophenol	ND		3330	2260		ug/Kg		68	45 - 120	10	25
2,4-Dimethylphenol	ND		3330	1740		ug/Kg		52	30 - 120	16	25
2,4-Dinitrophenol	ND		3330	455	J F	ug/Kg		14	20 - 120	20	25
2,4-Dinitrotoluene	ND		3330	2260		ug/Kg		68	50 - 125	12	25
2,6-Dinitrotoluene	ND		3330	2400		ug/Kg		72	50 - 125	7	20
2-Chloronaphthalene	ND		3330	2080		ug/Kg		63	45 - 120	10	20
2-Chlorophenol	ND		3330	2050		ug/Kg		62	40 - 120	11	20
2-Methylnaphthalene	ND		3330	2130		ug/Kg		64	40 - 120	10	20
2-Methylphenol	ND		3330	2090		ug/Kg		63	40 - 120	13	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitroaniline	ND		3330	2490		ug/Kg		75	45 - 120	7	25
2-Nitrophenol	ND		3330	2130		ug/Kg		64	40 - 120	9	25
3,3'-Dichlorobenzidine	ND		3330	1600		ug/Kg		48	20 - 130	25	25
3-Nitroaniline	ND		3330	1900		ug/Kg		57	30 - 120	13	25
4,6-Dinitro-2-methylphenol	ND		3330	1520		ug/Kg		46	35 - 120	14	25
4-Bromophenyl phenyl ether	ND		3330	2250		ug/Kg		68	45 - 120	10	20
4-Chloro-3-methylphenol	ND		3330	2440		ug/Kg		73	50 - 125	10	25
4-Chloroaniline	ND		3330	1380		ug/Kg		41	20 - 120	28	30
4-Chlorophenyl phenyl ether	ND		3330	2390		ug/Kg		72	50 - 120	13	25
3-Methylphenol + 4-Methylphenol	ND		3330	2190		ug/Kg		66	50 - 120	13	25
4-Nitroaniline	ND		3330	2350		ug/Kg		70	40 - 125	10	30
4-Nitrophenol	ND		3330	2690		ug/Kg		81	35 - 125	4	30
Acenaphthene	ND		3330	2110		ug/Kg		63	45 - 120	10	25
Acenaphthylene	ND		3330	2310		ug/Kg		69	45 - 120	10	20
Aniline	ND		3330	2010		ug/Kg		60	25 - 120	14	30
Anthracene	ND		3330	2260		ug/Kg		68	55 - 120	12	25
Benzidine	ND		3330	734		ug/Kg		22	20 - 120	0	30
Benzo[a]anthracene	ND		3330	2120		ug/Kg		64	50 - 120	13	25
Benzo[a]pyrene	ND		3330	2200		ug/Kg		66	45 - 125	14	25
Benzo[b]fluoranthene	ND		3330	2170		ug/Kg		65	45 - 125	18	30
Benzo[g,h,i]perylene	ND		3330	2540		ug/Kg		76	25 - 130	11	30
Benzo[k]fluoranthene	ND		3330	2330		ug/Kg		70	45 - 125	13	30
Benzoic acid	ND		3330	285	J F	ug/Kg		9	20 - 120	11	30
Benzyl alcohol	ND		3330	2270		ug/Kg		68	20 - 120	11	30
Bis(2-chloroethoxy)methane	ND		3330	2030		ug/Kg		61	45 - 120	10	25
Bis(2-chloroethyl)ether	ND		3330	1960		ug/Kg		59	35 - 110	8	25
Bis(2-ethylhexyl) phthalate	100	J	3330	2260		ug/Kg		65	45 - 130	12	25
Butyl benzyl phthalate	ND		3330	2290		ug/Kg		69	45 - 125	12	25
Chrysene	ND		3330	2150		ug/Kg		65	55 - 120	15	25
Dibenz(a,h)anthracene	ND		3330	2590		ug/Kg		78	25 - 135	8	30
Dibenzofuran	ND		3330	2180		ug/Kg		65	50 - 120	11	25
Diethyl phthalate	ND		3330	2430		ug/Kg		73	50 - 125	11	25
Dimethyl phthalate	ND		3330	2390		ug/Kg		72	45 - 125	8	25
Di-n-butyl phthalate	ND		3330	1970		ug/Kg		59	50 - 125	11	25
Di-n-octyl phthalate	ND		3330	2500		ug/Kg		75	50 - 135	12	25
Fluoranthene	ND		3330	2130		ug/Kg		64	45 - 120	14	25
Fluorene	ND		3330	2090		ug/Kg		63	50 - 120	11	25
Hexachlorobenzene	ND		3330	2250		ug/Kg		68	50 - 120	11	25
Hexachlorobutadiene	ND		3330	1950		ug/Kg		59	40 - 120	8	25
Hexachlorocyclopentadiene	ND		3330	2260		ug/Kg		68	20 - 125	11	30
Hexachloroethane	ND		3330	1940		ug/Kg		58	35 - 120	8	30
Indeno[1,2,3-cd]pyrene	ND		3330	2350		ug/Kg		71	20 - 130	12	30
Isophorone	ND		3330	2220		ug/Kg		67	40 - 120	11	25
Naphthalene	ND		3330	1990		ug/Kg		60	40 - 120	10	25
Nitrobenzene	ND		3330	2030		ug/Kg		61	40 - 120	10	25
N-Nitrosodi-n-propylamine	ND		3330	2370		ug/Kg		71	35 - 120	8	25
N-Nitrosodiphenylamine	ND		3330	2350		ug/Kg		71	45 - 125	10	25
Pentachlorophenol	ND		3330	2120		ug/Kg		64	30 - 120	10	25
Phenanthrene	ND		3330	2240		ug/Kg		67	50 - 120	12	25
Phenol	ND		3330	2270		ug/Kg		68	40 - 120	11	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47938 — **Prep Batch: 47570**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	ND		3330	2270		ug/Kg		68	40 - 125	12	30
bis (2-chloroisopropyl) ether	ND		3330	2090		ug/Kg		63	40 - 120	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 120*
2-Fluorophenol (Surr)	*65*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 125*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*
Terphenyl-d14 (Surr)	*71*		*40 - 135*
Phenol-d6 (Surr)	*68*		*35 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-45520/4 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/15/12 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*08/15/12 15:06*	*1*

Lab Sample ID: LCS 440-45520/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1480		ug/Kg		92	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*

Lab Sample ID: LCSD 440-45520/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1520		ug/Kg		95	70 - 135	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20036-1 MS
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: SB-21-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1470	1160		ug/Kg		79	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*

Lab Sample ID: 440-20036-1 MSD
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: SB-21-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*

Lab Sample ID: MB 440-45781/28
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/16/12 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/16/12 23:26*	*1*

Lab Sample ID: LCS 440-45781/27
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	749		ug/L		94	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*		*65 - 140*

Lab Sample ID: 440-20015-A-9 MSD
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		800	654		ug/L		82	65 - 140	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20015-B-9 MS
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		800	744		ug/L		93	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*65 - 140*

Lab Sample ID: MB 440-45841/4
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/16/12 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*65 - 140*		*08/16/12 20:45*	*1*

Lab Sample ID: LCS 440-45841/2
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)			1600	1450		ug/Kg		91	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*65 - 140*

Lab Sample ID: LCSD 440-45841/3
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1460		ug/Kg		91	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*65 - 140*

Lab Sample ID: 440-20268-E-3 MS
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1590	1280		ug/Kg		80	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20268-E-3 MSD
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1480	1260		ug/Kg		85	60 - 140	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*

Lab Sample ID: MB 440-47717/4
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/24/12 18:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/24/12 18:19*	*1*

Lab Sample ID: LCS 440-47717/2
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1330		ug/Kg		83	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*65 - 140*

Lab Sample ID: LCSD 440-47717/3
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1410		ug/Kg		88	70 - 135	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*65 - 140*

Lab Sample ID: 440-21161-A-1 MS
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1490	1270		ug/Kg		85	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-21161-A-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1480	1260		ug/Kg		86	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*65 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45525/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.50	0.10	mg/L		08/15/12 13:18	08/15/12 21:35	1
C23-C40	ND		0.50	0.10	mg/L		08/15/12 13:18	08/15/12 21:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*75*		*45 - 120*	*08/15/12 13:18*	*08/15/12 21:35*	*1*

Lab Sample ID: LCS 440-45525/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			1.00	0.775		mg/L		78	40 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*80*		*45 - 120*

Lab Sample ID: LCSD 440-45525/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			1.00	0.756		mg/L		76	40 - 115	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*79*		*45 - 120*

Lab Sample ID: MB 440-46433/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46446 — **Prep Batch: 46433**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/20/12 08:52	08/20/12 19:06	1
C23-C40	ND		5.0	3.5	mg/Kg		08/20/12 08:52	08/20/12 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*65*		*40 - 140*	*08/20/12 08:52*	*08/20/12 19:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46433/2-A
Matrix: Solid
Analysis Batch: 46446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46433

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	16.2		mg/Kg		49	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*59*		*40 - 140*

Lab Sample ID: MB 440-47386/1-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/23/12 12:19	08/24/12 17:59	1
C23-C40	ND		5.0	3.5	mg/Kg		08/23/12 12:19	08/24/12 17:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*67*		*40 - 140*	*08/23/12 12:19*	*08/24/12 17:59*	*1*

Lab Sample ID: LCS 440-47386/2-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47386

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	25.4		mg/Kg		76	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*71*		*40 - 140*

Lab Sample ID: 440-20877-A-12-D MS
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28	ND		33.3	21.2		mg/Kg		64	40 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*58*		*40 - 140*

Lab Sample ID: 440-20877-A-12-E MSD
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28	ND		33.3	22.8		mg/Kg		68	40 - 120	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*63*		*40 - 140*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-45897/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/16/12 22:33	10

Lab Sample ID: LCS 440-45897/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			16.0	12.6		mg/Kg		79	65 - 110		

Lab Sample ID: 280-31767-B-2-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		16.0	12.4		mg/Kg		77	55 - 110		

Lab Sample ID: 280-31767-B-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		16.0	11.8		mg/Kg		74	55 - 110	4	20

Lab Sample ID: 280-31767-B-2-E MSI — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		1440	1000		mg/Kg		70	55 - 110		

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-46306/1-A ^5 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Arsenic	ND		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Barium	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Cadmium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Chromium	ND		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Cobalt	ND		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Copper	ND		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Lead	ND		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Nickel	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Vanadium	0.701	J	1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Zinc	ND		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:11	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-46306/1-A ^5
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5

Lab Sample ID: MB 440-46306/1-A ^5
Matrix: Solid
Analysis Batch: 47215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:48	5

Lab Sample ID: LCS 440-46306/2-A ^5
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.3	53.6		mg/Kg		109	80 - 120
Arsenic	49.3	49.9		mg/Kg		101	80 - 120
Barium	49.3	51.4		mg/Kg		104	80 - 120
Beryllium	49.3	51.1		mg/Kg		104	80 - 120
Cadmium	49.3	51.3		mg/Kg		104	80 - 120
Chromium	49.3	51.7		mg/Kg		105	80 - 120
Cobalt	49.3	51.6		mg/Kg		105	80 - 120
Copper	49.3	54.1		mg/Kg		110	80 - 120
Lead	49.3	50.6		mg/Kg		103	80 - 120
Nickel	49.3	49.6		mg/Kg		101	80 - 120
Selenium	49.3	47.4		mg/Kg		96	80 - 120
Thallium	49.3	51.0		mg/Kg		104	80 - 120
Vanadium	49.3	51.5		mg/Kg		105	80 - 120
Zinc	49.3	47.8		mg/Kg		97	80 - 120
Silver	24.6	26.0		mg/Kg		106	80 - 120

Lab Sample ID: LCS 440-46306/2-A ^5
Matrix: Solid
Analysis Batch: 47215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	49.3	48.5		mg/Kg		98	80 - 120

Lab Sample ID: 440-20036-1 MS
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: SB-21-0.5
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.4	J	49.3	33.3	F	mg/Kg		65	75 - 125
Arsenic	3.7		49.3	56.3		mg/Kg		107	75 - 125
Barium	86		49.3	150	F	mg/Kg		130	75 - 125
Beryllium	ND		49.3	52.5		mg/Kg		106	75 - 125
Cadmium	0.48	J	49.3	58.6		mg/Kg		118	75 - 125
Chromium	11		49.3	62.0		mg/Kg		104	75 - 125
Cobalt	6.1		49.3	62.0		mg/Kg		113	75 - 125
Copper	23		49.3	79.6		mg/Kg		115	75 - 125
Lead	9.6		49.3	59.4		mg/Kg		101	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-20036-1 MS — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	9.6		49.3	63.0		mg/Kg		109	75 - 125
Selenium	ND		49.3	49.7		mg/Kg		101	75 - 125
Thallium	ND		49.3	48.3		mg/Kg		98	75 - 125
Vanadium	24		49.3	78.9		mg/Kg		112	75 - 125
Zinc	69		49.3	105	F	mg/Kg		73	75 - 125
Silver	ND		24.6	26.1		mg/Kg		106	75 - 125

Lab Sample ID: 440-20036-1 MS — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47215 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	ND		49.3	45.5		mg/Kg		92	75 - 125

Lab Sample ID: 440-20036-1 MSD — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1.4	J	49.5	33.2	F	mg/Kg		64	75 - 125	0	20
Arsenic	3.7		49.5	50.6		mg/Kg		95	75 - 125	11	20
Barium	86		49.5	116	F	mg/Kg		62	75 - 125	25	20
Beryllium	ND		49.5	48.0		mg/Kg		97	75 - 125	9	20
Cadmium	0.48	J	49.5	53.9		mg/Kg		108	75 - 125	8	20
Chromium	11		49.5	56.6		mg/Kg		93	75 - 125	9	20
Cobalt	6.1		49.5	56.4		mg/Kg		102	75 - 125	9	20
Copper	23		49.5	68.5		mg/Kg		92	75 - 125	15	20
Lead	9.6		49.5	54.4		mg/Kg		90	75 - 125	9	20
Nickel	9.6		49.5	57.6		mg/Kg		97	75 - 125	9	20
Selenium	ND		49.5	45.1		mg/Kg		91	75 - 125	10	20
Thallium	ND		49.5	45.1		mg/Kg		91	75 - 125	7	20
Vanadium	24		49.5	68.3		mg/Kg		90	75 - 125	14	20
Zinc	69		49.5	105	F	mg/Kg		71	75 - 125	0	20
Silver	ND		24.8	24.2		mg/Kg		98	75 - 125	7	20

Lab Sample ID: 440-20036-1 MSD — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47215 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	ND		49.5	44.6		mg/Kg		90	75 - 125	2	20

Lab Sample ID: MB 440-45063/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 45739 — **Prep Batch: 45116**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Arsenic	0.00713	J	0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Barium	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1
Beryllium	ND		0.0040	0.00090	mg/L		08/14/12 07:59	08/15/12 21:41	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-45063/1-C | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Chromium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Cobalt	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Copper	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:41	1
Lead	ND		0.0050	0.0040	mg/L		08/14/12 07:59	08/15/12 21:41	1
Molybdenum	ND		0.020	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Nickel	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Selenium	ND		0.010	0.0080	mg/L		08/14/12 07:59	08/15/12 21:41	1
Thallium	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Vanadium	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:41	1
Zinc	ND		0.020	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1
Silver	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1

Lab Sample ID: LCS 440-45063/2-C | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	1.11		mg/L		111	80 - 120
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	1.00	1.07		mg/L		107	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Cobalt	1.00	1.04		mg/L		104	80 - 120
Copper	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	1.08		mg/L		108	80 - 120
Molybdenum	1.00	0.934		mg/L		93	80 - 120
Nickel	1.00	1.04		mg/L		104	80 - 120
Selenium	1.00	0.997		mg/L		100	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	1.00	1.02		mg/L		102	80 - 120
Zinc	1.00	1.00		mg/L		100	80 - 120
Silver	0.500	0.494		mg/L		99	80 - 120

Lab Sample ID: 440-20036-14 MS | **Client Sample ID: EB-081012**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		1.00	1.12		mg/L		112	75 - 125
Arsenic	ND		1.00	1.09		mg/L		108	75 - 125
Barium	ND		1.00	1.05		mg/L		105	75 - 125
Beryllium	ND		1.00	1.09		mg/L		109	75 - 125
Cadmium	ND		1.00	1.03		mg/L		103	75 - 125
Chromium	ND		1.00	1.05		mg/L		105	75 - 125
Cobalt	ND		1.00	1.05		mg/L		105	75 - 125
Copper	ND		1.00	1.04		mg/L		104	75 - 125
Lead	ND		1.00	1.09		mg/L		109	75 - 125
Molybdenum	ND		1.00	0.951		mg/L		95	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-20036-14 MS
Matrix: Water
Analysis Batch: 45739

Client Sample ID: EB-081012
Prep Type: Dissolved
Prep Batch: 45116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nickel	ND		1.00	1.05		mg/L		105	75 - 125		
Selenium	ND		1.00	1.01		mg/L		100	75 - 125		
Thallium	ND		1.00	1.06		mg/L		106	75 - 125		
Vanadium	ND		1.00	1.04		mg/L		104	75 - 125		
Zinc	ND		1.00	1.03		mg/L		103	75 - 125		
Silver	ND		0.500	0.502		mg/L		100	75 - 125		

Lab Sample ID: 440-20036-14 MSD
Matrix: Water
Analysis Batch: 45739

Client Sample ID: EB-081012
Prep Type: Dissolved
Prep Batch: 45116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		1.00	1.10		mg/L		110	75 - 125	2	20
Arsenic	ND		1.00	1.07		mg/L		106	75 - 125	2	20
Barium	ND		1.00	1.04		mg/L		104	75 - 125	1	20
Beryllium	ND		1.00	1.07		mg/L		107	75 - 125	2	20
Cadmium	ND		1.00	1.02		mg/L		102	75 - 125	1	20
Chromium	ND		1.00	1.04		mg/L		104	75 - 125	2	20
Cobalt	ND		1.00	1.03		mg/L		103	75 - 125	2	20
Copper	ND		1.00	1.03		mg/L		103	75 - 125	1	20
Lead	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Molybdenum	ND		1.00	0.943		mg/L		94	75 - 125	1	20
Nickel	ND		1.00	1.04		mg/L		104	75 - 125	1	20
Selenium	ND		1.00	0.990		mg/L		98	75 - 125	2	20
Thallium	ND		1.00	1.05		mg/L		105	75 - 125	1	20
Vanadium	ND		1.00	1.02		mg/L		102	75 - 125	2	20
Zinc	ND		1.00	1.01		mg/L		101	75 - 125	2	20
Silver	ND		0.500	0.496		mg/L		99	75 - 125	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 440-44700/3
Matrix: Water
Analysis Batch: 44700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.025	0.0050	mg/L			08/11/12 00:36	1

Lab Sample ID: LCS 440-44700/4
Matrix: Water
Analysis Batch: 44700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			0.100	0.105		mg/L		105	90 - 110		

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 440-20036-14 MS
Matrix: Water
Analysis Batch: 44700

Client Sample ID: EB-081012
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		0.300	0.319		mg/L		106	85 - 115		

Lab Sample ID: 440-20036-14 MSD
Matrix: Water
Analysis Batch: 44700

Client Sample ID: EB-081012
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		0.300	0.314		mg/L		105	85 - 115	2	20

GC/MS Semi VOA

Prep Batch: 44894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	3546	
440-20036-2	SB-21-3	Total/NA	Solid	3546	
440-20036-6	SB-22-0.5	Total/NA	Solid	3546	
440-20036-7	SB-22-3	Total/NA	Solid	3546	
440-20036-7 MS	SB-22-3	Total/NA	Solid	3546	
440-20036-7 MSD	SB-22-3	Total/NA	Solid	3546	
440-20036-8	SB-20-0.5	Total/NA	Solid	3546	
440-20036-10	SB-20-3	Total/NA	Solid	3546	
440-20036-12	Dup-1	Total/NA	Solid	3546	
440-20036-13	Dup-2	Total/NA	Solid	3546	
LCS 440-44894/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-44894/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 45705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8270C	44894
440-20036-2	SB-21-3	Total/NA	Solid	8270C	44894
440-20036-6	SB-22-0.5	Total/NA	Solid	8270C	44894
440-20036-7	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-7 MS	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-7 MSD	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-8	SB-20-0.5	Total/NA	Solid	8270C	44894
440-20036-10	SB-20-3	Total/NA	Solid	8270C	44894
440-20036-12	Dup-1	Total/NA	Solid	8270C	44894
440-20036-13	Dup-2	Total/NA	Solid	8270C	44894
LCS 440-44894/2-A	Lab Control Sample	Total/NA	Solid	8270C	44894
MB 440-44894/1-A	Method Blank	Total/NA	Solid	8270C	44894

Prep Batch: 45901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	3520C	
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-45901/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 46371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	8270C	45901
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	8270C	45901
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	45901
MB 440-45901/1-A	Method Blank	Total/NA	Water	8270C	45901

Prep Batch: 47570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	3546	
440-21307-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-21307-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
LCS 440-47570/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-47570/1-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Analysis Batch: 47938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8270C	47570
440-21307-A-1-A MS	Matrix Spike	Total/NA	Solid	8270C	47570
440-21307-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	47570
MB 440-47570/1-A	Method Blank	Total/NA	Solid	8270C	47570

Analysis Batch: 48139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-47570/2-A	Lab Control Sample	Total/NA	Solid	8270C	47570

GC VOA

Analysis Batch: 45520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-2	SB-21-3	Total/NA	Solid	8015B	
440-20036-6	SB-22-0.5	Total/NA	Solid	8015B	
440-20036-7	SB-22-3	Total/NA	Solid	8015B	
440-20036-8	SB-20-0.5	Total/NA	Solid	8015B	
440-20036-12	Dup-1	Total/NA	Solid	8015B	
LCS 440-45520/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45520/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45520/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 45781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20015-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-20015-B-9 MS	Matrix Spike	Total/NA	Water	8015B	
440-20036-14	EB-081012	Total/NA	Water	8015B	
LCS 440-45781/27	Lab Control Sample	Total/NA	Water	8015B	
MB 440-45781/28	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 45841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-10	SB-20-3	Total/NA	Solid	8015B	
440-20036-13	Dup-2	Total/NA	Solid	8015B	
440-20268-E-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-20268-E-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-45841/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45841/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45841/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 47717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8015B	
440-21161-A-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-21161-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-47717/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-47717/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-47717/4	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	CA LUFT	
440-20036-2	SB-21-3	Total/NA	Solid	CA LUFT	
440-20036-6	SB-22-0.5	Total/NA	Solid	CA LUFT	
440-20036-7	SB-22-3	Total/NA	Solid	CA LUFT	
440-20036-8	SB-20-0.5	Total/NA	Solid	CA LUFT	
440-20036-10	SB-20-3	Total/NA	Solid	CA LUFT	
440-20036-12	Dup-1	Total/NA	Solid	CA LUFT	

Analysis Batch: 45425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	8015B	45525
LCS 440-45525/2-A	Lab Control Sample	Total/NA	Water	8015B	45525
LCSD 440-45525/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	45525
MB 440-45525/1-A	Method Blank	Total/NA	Water	8015B	45525

Prep Batch: 45525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	3510C	
LCS 440-45525/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-45525/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-45525/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 46023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8015B	45421
440-20036-2	SB-21-3	Total/NA	Solid	8015B	45421
440-20036-6	SB-22-0.5	Total/NA	Solid	8015B	45421
440-20036-7	SB-22-3	Total/NA	Solid	8015B	45421
440-20036-8	SB-20-0.5	Total/NA	Solid	8015B	45421
440-20036-10	SB-20-3	Total/NA	Solid	8015B	45421
440-20036-12	Dup-1	Total/NA	Solid	8015B	45421

Prep Batch: 46433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	CA LUFT	
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-46433/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 46446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	8015B	46433
MB 440-46433/1-A	Method Blank	Total/NA	Solid	8015B	46433

Analysis Batch: 46773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	8015B	46433

Prep Batch: 47386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	CA LUFT	
440-20877-A-12-D MS	Matrix Spike	Total/NA	Solid	CA LUFT	
440-20877-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	CA LUFT	

GC Semi VOA (Continued)

Prep Batch: 47386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-47386/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-47386/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 47599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20877-A-12-D MS	Matrix Spike	Total/NA	Solid	8015B	47386
440-20877-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	47386
LCS 440-47386/2-A	Lab Control Sample	Total/NA	Solid	8015B	47386
MB 440-47386/1-A	Method Blank	Total/NA	Solid	8015B	47386

Analysis Batch: 47884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8015B	47386

HPLC/IC

Prep Batch: 45897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-31767-B-2-C MS	Matrix Spike	Total/NA	Solid	3060A	
280-31767-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3060A	
280-31767-B-2-E MSI	Matrix Spike	Total/NA	Solid	3060A	
440-20036-1	SB-21-0.5	Total/NA	Solid	3060A	
440-20036-2	SB-21-3	Total/NA	Solid	3060A	
440-20036-6	SB-22-0.5	Total/NA	Solid	3060A	
440-20036-7	SB-22-3	Total/NA	Solid	3060A	
440-20036-8	SB-20-0.5	Total/NA	Solid	3060A	
440-20036-10	SB-20-3	Total/NA	Solid	3060A	
440-20036-12	Dup-1	Total/NA	Solid	3060A	
440-20036-13	Dup-2	Total/NA	Solid	3060A	
LCS 440-45897/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 440-45897/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 45904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-31767-B-2-C MS	Matrix Spike	Total/NA	Solid	7199	45897
280-31767-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7199	45897
280-31767-B-2-E MSI	Matrix Spike	Total/NA	Solid	7199	45897
LCS 440-45897/2-A	Lab Control Sample	Total/NA	Solid	7199	45897
MB 440-45897/1-A	Method Blank	Total/NA	Solid	7199	45897

Analysis Batch: 46017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	7199	45897
440-20036-2	SB-21-3	Total/NA	Solid	7199	45897
440-20036-6	SB-22-0.5	Total/NA	Solid	7199	45897
440-20036-7	SB-22-3	Total/NA	Solid	7199	45897
440-20036-8	SB-20-0.5	Total/NA	Solid	7199	45897
440-20036-10	SB-20-3	Total/NA	Solid	7199	45897
440-20036-12	Dup-1	Total/NA	Solid	7199	45897
440-20036-13	Dup-2	Total/NA	Solid	7199	45897

Metals

Prep Batch: 45116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	3005A	
440-20036-14 MS	EB-081012	Dissolved	Water	3005A	
440-20036-14 MSD	EB-081012	Dissolved	Water	3005A	
LCS 440-45063/2-C	Lab Control Sample	Dissolved	Water	3005A	
MB 440-45063/1-C	Method Blank	Dissolved	Water	3005A	

Analysis Batch: 45739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	6010B	45116
440-20036-14 MS	EB-081012	Dissolved	Water	6010B	45116
440-20036-14 MSD	EB-081012	Dissolved	Water	6010B	45116
LCS 440-45063/2-C	Lab Control Sample	Dissolved	Water	6010B	45116
MB 440-45063/1-C	Method Blank	Dissolved	Water	6010B	45116

Prep Batch: 46306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-2	SB-21-3	Total/NA	Solid	3050B	
440-20036-6	SB-22-0.5	Total/NA	Solid	3050B	
440-20036-7	SB-22-3	Total/NA	Solid	3050B	
440-20036-8	SB-20-0.5	Total/NA	Solid	3050B	
440-20036-10	SB-20-3	Total/NA	Solid	3050B	
440-20036-12	Dup-1	Total/NA	Solid	3050B	
440-20036-13	Dup-2	Total/NA	Solid	3050B	
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 46570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-2	SB-21-3	Total/NA	Solid	6010B	46306
440-20036-6	SB-22-0.5	Total/NA	Solid	6010B	46306
440-20036-7	SB-22-3	Total/NA	Solid	6010B	46306
440-20036-8	SB-20-0.5	Total/NA	Solid	6010B	46306
440-20036-10	SB-20-3	Total/NA	Solid	6010B	46306
440-20036-12	Dup-1	Total/NA	Solid	6010B	46306
440-20036-13	Dup-2	Total/NA	Solid	6010B	46306
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	46306
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	6010B	46306

Analysis Batch: 47199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	6010B	45116

Analysis Batch: 47215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	6010B	46306

Metals (Continued)

Analysis Batch: 47215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-2	SB-21-3	Total/NA	Solid	6010B	46306
440-20036-6	SB-22-0.5	Total/NA	Solid	6010B	46306
440-20036-7	SB-22-3	Total/NA	Solid	6010B	46306
440-20036-8	SB-20-0.5	Total/NA	Solid	6010B	46306
440-20036-10	SB-20-3	Total/NA	Solid	6010B	46306
440-20036-12	Dup-1	Total/NA	Solid	6010B	46306
440-20036-13	Dup-2	Total/NA	Solid	6010B	46306
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	46306
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	6010B	46306

General Chemistry

Analysis Batch: 44700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	7196A	
440-20036-14 MS	EB-081012	Total/NA	Water	7196A	
440-20036-14 MSD	EB-081012	Total/NA	Water	7196A	
LCS 440-44700/4	Lab Control Sample	Total/NA	Water	7196A	
MB 440-44700/3	Method Blank	Total/NA	Water	7196A	

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/10/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	1 of 2 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below ____			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler: Joan Dolmat
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)	Sample Specific Notes:
SB-21-0.5	8/9/12	1602	REG	SOIL	1		X	X	X	X	X		
SB-21-3	8/9/12	1628		SOIL	1		X	X	X	X	X		
SB-21-5	8/10/12	0742		SOIL	1								Hold
SB-21-10	8/10/12	0813		SOIL	1								Hold
SB-26-5	8/10/12	0910		SOIL	1								Hold
SB-22-0.5	8/10/12	0944		SOIL	1		X	X	X	X	X		
SB-22-3	8/10/12	1122		SOIL	1		X	X	X	X	X		
SB-20-0.5	8/10/12	1310		SOIL	1		X	X	X	X	X		
SB-22-5	8/10/12	1457		SOIL	1								Hold
SB-20-3	8/10/12	1502		SOIL	1		X	X	X	X	X		
SB-20-5	8/10/12	1520		SOIL	1								Hold
Dup-1	8/10/12	—	FD	SOIL	1		X	X	X	X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/10/12 1537		TAI	8/10/12 1537
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	8/10/12 1710		TAI	08/10/12 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

8/30/2012

4-8-C

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/10/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	2 of 2 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below ____			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler: Joan Dolmat
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)
Dup-2	8/10/12	—	FD	Soil	1		X	X	X	X	X	
EB-081012	8/10/12	1528	QCEB	AQ	7		X	X	X	X		X

DNO 8/10/12

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/10/12 1577		TAI	8/10/12 15-37
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
TAI	TAI	8/10/12 17:10		TAI	08/10/12 17:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

4.8.-

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 440-20036-1

Login Number: 20036

List Source: TestAmerica Irvine

List Number: 1

Creator: Perez, Angel

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Joan Dolvent
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Prepared for

General Electric Aviation
Duarte, CA

Focused Soil Investigation and Storm Drain Inspection Report
1700 Business Center Drive, Duarte, CA

October 23, 2012

MWH

FOCUSED SOIL INVESTIGATION AND STORM DRAIN INSPECTION REPORT

1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

Prepared for:

GENERAL ELECTRIC AVIATION
1700 Business Center Drive
Duarte, California 91010

Project Number - 10501103.010104

Prepared by:

MWH Americas, Inc.
618 Michillinda Ave, Suite 200
Arcadia, CA 91007

Michael Flaugher, P.G. No. 7626
Project Manager

Joan Dolmat
Project Geologist

PROFESSIONAL GEOLOGIST
MICHAEL FLAUGHER
No. 7626
EXP. 8/31/13
STATE OF CALIFORNIA

MWH

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ACRONYMS AND ABBREVIATIONS

AST	Advanced Sewer Technology
BC^2	BC^2 Environmental
COC	Chain-of-Custody
ft bgs	Feet Below Ground Surface
IDW	Investigation Derived Waste
mg/kg	Milligrams per Kilograms
MDL	Method Detection Limit
MWH	MWH Americas, Inc.
RSL	USEPA Region IX Regional Screening Level (USEPA, 2011)
QA/QC	Quality Assurance/Quality Control
Report	Focused Soil Investigation and Storm Drain Inspection Report
RLs	Laboratory Reporting Limits
RWQCB	Regional Water Quality Control Board
Site	1700 Business Center Drive, Duarte, California
SSL	RWQCB Soil Screening Levels for TPH in Soil (RWQCB, 1996)
SVOCs	Semi-Volatile Organic Compounds
TBP	Tributyl Phosphate
TIC	Tentatively Identified Compound
TPH	Total Petroleum Hydrocarbon
μg/kg	Micrograms per Kilograms
USA	Underground Service Alert
USEPA	United States Environmental Protection Agency
SVOCs	Semi-Volatile Organic Compounds

SECTION 1.0

INTRODUCTION AND BACKGROUND

This *Focused Soil Investigation and Storm Drain Inspection Report* (Report) has been prepared by MWH Americas, Inc. (MWH) on behalf of General Electric Aviation (GE) for the property located at 1700 Business Center Drive, in Duarte, California (Site) (Figure 1). The Report is responsive to GE's request to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and outside the East Dock area (Figure 2). In addition, the scope of work consisted of video inspecting the storm drain pipe located immediately adjacent to the East Dock area. The investigation was conducted in general accordance with the scope of work presented in MWH's proposal dated July 26, 2012, under the direction of GE.

1.1 PURPOSE AND OBJECTIVES

The purpose of this Report is to document the procedures and results of soil sampling and chemical analyses to support an assessment of the nature and extent of potential subsurface impacts. The objectives of the investigation were to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and immediately adjacent to the readily accessible East Dock area and to evaluate the storm drain pipe physical condition to further evaluate it's potential to serve as a conduit for potentially impacting storm water discharges from the Site.

1.2 SITE DESCRIPTION AND HISTORY

The Site is located at 1700 Business Center Drive, Duarte, California (Figure 1). The Site consists of approximately 9 acres of land, containing a one story 117,000-square foot manufacturing facility surrounded by asphalt-paved parking lots (Figure 2).

The Site has been used for the manufacture of hydraulic actuation systems since 1964. Current operations include design, development, and manufacture of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems. Machining, cleaning, assembly and testing are performed at the Site. Work is conducted for both commercial and military applications. GE currently owns the land and buildings within an industrial community.

Following removal of some deteriorated asphalt outside and east of the East Dock area in July 2012, hydrocarbon-impacted soil was observed (see Figure 3) adjacent to a 6-inch diameter metal storm drain pipe. At the time, the source of the visual subsurface impact was unknown, although Site personnel suggested it may have been derived from the aboveground piping that lay in concrete trenches for the associated Skydrol aboveground storage tank located in the East Dock. GE plans to replace the pumps and plumbing for the Skydrol and adjacent Red Oil aboveground tanks.

Storm water from the East Dock roof area flows from the inlet point, located on the roof adjacent to an active cooling tower, to its point of discharge at the parking lot area, located just outside the East Dock area. Surface water then flows southwest across the aphalt-paved parking lot and enters the municipal storm drain system on East Duarte Road to the

south. There is no direct, piped connection between the East Dock discharge area to the municipal storm drain system.

1.3 ENVIRONMENTAL SETTING

1.3.1 Regional Topography and Hydrology

The City of Duarte is located in the San Gabriel Valley. The San Gabriel Mountains define the northern boundary, respectively, of the valley. The Repetto, Merced, and Puente Hills make up the southern and western boundaries of the valley. Drainages of the Rio Hondo and San Gabriel Rivers drain this basin through the Whittier Narrows, a gap between the Merced and Puente Hills to the southwest (Department of Water Resources [DWR], 2004). The Santa Fe Flood Dam and Control Basin lie approximately 700 south and 3,000 feet southeast of the Site, respectively. The Santa Fe Dam and Control Basin are in within the San Gabriel wash. The Site is located at approximately 488 feet above mean sea level (msl). Regional surface drainage is towards the southwest (United States Geological Survey [USGS], 1995).

1.3.2 Regional Geology and Hydrogeology

The San Gabriel Valley and groundwater basin is located within the northeastern block of the Los Angeles Basin in the Transverse Ranges Geomorphic Province. The basin is bounded by the Raymond fault and the San Gabriel Mountains to the north; the Repetto, Merced, and Puente Hills to the south and west; and the Chino and San Jose faults to the east. Between the Merced and Puente Hills is Whittier Narrows, a structural and topographic low (DWR, 2004).

Groundwater elevations generally follow the topographic slope of the San Gabriel Groundwater Basin, with groundwater flowing from the edges of the basin towards the center of the basin, then towards the southwest to exit through the Whittier Narrows (DWR, 2004). A review of the California Regional Water Resources Control Board website indicates that groundwater was present at a depth of approximately 330 feet below ground surface (ft bgs) at sites 1.2 miles northwest (in March 2009) and 1.8 miles southeast (in November 2007) of the GE Site. In addition, at a drilling site located approximately two miles southwest of the GE Site, groundwater was encountered approximately 150 ft bgs in May 2010. Based on these data, it is estimated that groundwater in the vicinity of the Site is at least 150 ft bgs.

SECTION 2.0

SITE INVESTIGATION ACTIVITIES

Field activities at the Site were completed on August 9 and 10, 2012. Field assessment activities included utility clearance, soil sampling, investigation derived waste management, and the storm drain pipe video inspection. The field activities were completed in accordance with the Site-Specific Health and Safety Plan (MWH, 2012) and under the direct supervision of a California Professional Geologist.

2.1 GEOPHYSICAL UTILITY CLEARANCE

Prior to field activities, Underground Service Alert (USA) was notified to mark subsurface utilities that may enter the Site from public easements (Ticket No. A22190827). In addition, geophysical clearance of subsurface utilities in the general vicinity of each boring location was completed on August 9, 2012 by Geovision, a geophysical company subcontracted by MWH. The geophysical survey was completed to identify known and potentially unknown subsurface structures and readily identifiable subsurface utilities. Final sampling locations were modified based on field observations, USA, and geophysical clearances.

2.2 SUBSURFACE SOIL INVESTIGATION

Drilling

Soil samples were collected from seven (7) soil boring locations (SB-20 through SB-22 and SB-25 through SB-28, as depicted graphically on Figure 3). Two of the originally proposed soil borings, SB-23 and SB-24 from the proposal, were not completed due to difficult drilling conditions at the other locations. Based on the initial findings and discussion with MWH's project manager, GE chose not to remobilize to complete these remaining two soil borings. The drilling and subsurface soil sampling was completed by BC^2 Environmental (BC^2), a California-licensed drilling contractor subcontracted by MWH. Soil borings were advanced by either a limited-access hollow stem auger drill rig or hand augered, depending upon physical access constraints at the sampling locations. The borings were cleared for utilities to 5 ft bgs using a hand auger.

The following borings reached drilling refusal with the limited access hollow stem auger drill rig, prior to reaching the target depth of 10 ft bgs:

- Soil boring SB-20 met with refusal on dense cobbles at 6.5 ft bgs
- Soil boring SB-22 met with refusal on dense cobbles at 7 ft bgs
- Soil boring SB-25 met with refusal on dense cobbles at 3.5 ft bgs
- Soil boring SB-26 met with refusal on dense cobbles at 6 ft bgs
- Soil boring SB-27 met with refusal on dense cobbles at 4 ft bgs
- Soil boring SB-28 met with refusal on dense cobbles at 3.5 ft bgs

Soil Sampling

Soil sample collection depths and laboratory analyses assigned for each sample are summarized in Table 1. Soil samples were collected using a Modified California sampling device, equipped with stainless steel six-inch samplers. The sample retainer was immediately sealed with Teflon® film and plastic end caps for shipment to the laboratory for

analyses. Soil samples were labeled, placed in plastic resealable bags, registered into chain-of-custody (COC) protocol, and placed in an ice-chilled cooler. Sample handling and chain-of-custody procedures were completed in general accordance with U.S. Environmental Protection Agency (USEPA) SW-846 protocol. Soil samples were delivered for chemical analyses to TestAmerica Laboratories, Inc. (TestAmerica) of Irvine, California, a state-certified laboratory.

Organic vapor levels of ambient air and the headspace of recovered soil samples were measured using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp during drilling activities. Calibration of the PID was performed in accordance with the manufacturer's instructions prior to each day's use.

Soil samples were also used for soil classification and geologic logging, in accordance with the Unified Soil Classification System as presented in American Society for Testing and Materials Standard D2488, and classified by color using a Munsell Color Chart. Geologic logs for the soil borings are presented in Appendix A.

Soil Boring Abandonment

Soil borings were abandoned using cement bentonite grout (95% Portland cement mixed with 5% bentonite powder per weight) to just below surface grade, then capped at the surface with concrete or dirt to match the existing surface grade.

Decontamination Procedures

The soil sampling equipment was cleaned with a non-phosphate detergent, rinsed with tap water, twice-rinsed with deionized water, and air dried. The equipment was handled in a manner intended to prevent cross-contamination between sampling locations.

Laboratory Analysis

Table 1 summarizes the soil investigation sampling and chemical analysis program. Analytical methods may have included:

- Semi-Volatile Organic Compounds (SVOCs) using USEPA Method 8270C with Tentatively Identified Compounds (TICs);
- Total Petroleum Hydrocarbons (TPH) – carbon chain using Modified USEPA Method 8015-B;
- Title 22 Metals using USEPA 6010B;
- And hexavalent chromium using USEPA 7196.

2.3 STORM DRAIN PIPE INSPECTION

MWH subcontracted Advanced Sewer Technology (AST), a California-licensed plumbing and sanitation system contractor, to video inspect the 6-inch roof storm drain pipe located immediately adjacent to the East Dock. The depth of the storm drain pipe is approximately 2 to 3 inches below the concrete floor. The storm drain inlet is located on the roof adjacent to an active cooling tower, and its point of discharge (open-ended) is located just outside the East Dock area. AST installed a video camera from each access point to evaluate the storm drain pipe conditions along its length.

2.4 INVESTIGATION DERIVED WASTE (IDW) MANAGEMENT

Soil cuttings, decontamination water, used personal protective equipment, and disposable sampling equipment generated during field activities were appropriately stored at the Site in three labeled UN-approved 55-gallon steel drums. GE will properly transport and dispose of the IDW using GE's licensed contractor at an off-site disposal facility following receipt of sample results.

2.5 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

2.5.1 Field QA/QC Samples

The overall QA/QC objective for field activities and laboratory analyses was to produce data of sufficient quality to support an evaluation of the environmental conditions. Standard operating procedures were conducted in order to achieve sufficiently acceptable levels of accuracy, precision, completeness, representativeness, and comparability for the data. The soil data collected were evaluated for data adequacy and a report summarizing these activities is presented in Appendix B and is further discussed in the following subsections.

2.5.2 Laboratory QA/QC

USEPA mandated sample holding times and preservation were observed. Specific requirements were followed, including field and reagent blanks, calibration check standards, matrix-spike duplicates (MSD), total recoveries, and laboratory QC samples.

2.5.3 Data Management and Adequacy Evaluation

A Level II data adequacy procedure was utilized to obtain an adequate level of confidence in the data presented. A Level II data review was completed and included a cursory review of laboratory data for precision, accuracy, representativeness, completeness, and comparability. QC data was reviewed for laboratory instrument precision and accuracy from laboratory control samples, duplicate recoveries, relative percent differences, matrix spike (MS/MSD) sample recoveries, and relative percent differences. Samples were evaluated for representativeness of laboratory and site conditions based on review of method and field blanks. The results were reviewed for completeness and comparability based on the analytical methods used, sample preservation and holding time criteria specified for each method, and the laboratory reporting limits (RLs).

2.5.4 Data Adequacy Summary

Results were reviewed in accordance with the appropriate methods listed above. In addition, the USEPA Contract Laboratory Program National Functional Guidelines for Organic (USEPA, 1999) and Inorganic (USEPA, 2004) Data Review were used to provide overall guidance for the adequacy evaluation process. The data review included an evaluation of the following quality control parameters based on standard performance criteria presented in these documents. All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes.

- Analytical holding times/sample preservation
- Method blanks and field blanks
- Surrogate percent recovery
- MS/MSD sample performance
- Field duplicate comparison
- Detection limits

SECTION 3.0

SITE INVESTIGATION RESULTS

3.1 SITE SPECIFIC GEOLOGY

The subsurface soils encountered during the investigation consisted of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles to 10 ft bgs, the maximum depth explored. PID readings were generally very low in all of the borings with a maximum of 8.1 parts per million in samples collected from SB-20 at 3 ft bgs. Unusual odors or staining was not visually observed in cores collected from the soil borings. Groundwater was not encountered during the Site investigation.

3.2 ANALYTICAL RESULTS

3.2.1 Regulatory Standards

The soil chemistry results reported above analytical method detection limits were compared against various Federal and/or State standards, as tabulated in Tables 2 through 4. Descriptions of each of these criteria are provided below:

- **Soil:** Soil chemistry results reported above analytical method detection limits were compared to USEPA Region IX Regional Screening Levels (RSLs) for SVOCs, TICs, and metals (USEPA, 2012), the California background concentrations for metals (Bradford et al, 1996), and the RWQCB maximum soil screening levels (SSLs) for TPH (RWQCB, 1996).
    - USEPA RSLs are risk-based tools for evaluating and cleaning up contaminated sites using the industrial land-use scenario.
    - *Background Concentrations of Trace and Major Elements in California Soils* documents the comprehensive, scientific database on anthropogenic and natural causes of elevated trace element concentrations in California soils. Detected metal concentrations were compared to background concentrations from samples noted in the report.
    - *Determination of a Southern California Regional Background Arsenic Concentration in Soil* documented by the Department of Toxic Substance Control determined background levels for arsenic in Los Angeles County. Detected arsenic concentrations were compared to the upper-bound background arsenic concentration of 12 mg/kg (Chernoff et all., 2008).
    - RWQCB SSLs are numerical soil screening levels to evaluate the potential need for remediation of soils impacted by petroleum hydrocarbons, based on soils greater than 20 feet above groundwater, since groundwater is approximately 150 feet bgs.

3.2.2 Soil Chemistry Results

The following sections describe soil chemistry analytical results that were reported above analytical method detection limits (MDL) or RLs. Soil chemistry results and Federal and State regulatory standards are tabulated in Tables 2 through 4. Laboratory analytical

reports are presented in Appendix C. Laboratory reporting values that are above the MDL and below the practical quantitation limit or RL are labeled with a "J-flag" which indicates that the value is estimated. Results reported at concentrations above the MDL or RL are referred to as “detected” in the discussion below. Summary soil chemistry results for TPHs and TICs are presented graphically on Figure 4.

Metals

Soil chemistry results for Title 22 metals and hexavalent chromium are summarized on Table 2. The following is a summary of detected metals concentrations:

- Antimony was detected in each soil sample at concentrations ranging from 1.0 J to 1.8 J milligrams per kilogram (mg/kg).
- Arsenic was detected in each soil sample at concentrations ranging from 2.8 to 4.2 mg/kg.
- Barium was detected in each soil sample at concentrations ranging from 59 to 90 mg/kg.
- Beryllium was detected in four soil samples at concentrations ranging from 0.20 J to 0.21 J mg/kg.
- Cadmium was detected in seven soil samples at concentrations ranging from 0.23 J to 0.48 J mg/kg.
- Chromium was detected in each soil sample at concentrations ranging from 9.2 to 11 mg/kg.
- Cobalt was detected in each soil sample at concentrations ranging from 4.6 to 6.2 mg/kg.
- Copper was detected in each soil sample at concentrations ranging from 12 to 23 mg/kg.
- Lead was detected in each soil sample at concentrations ranging from 3.1 to 12 mg/kg.
- Nickel was detected in each soil sample at concentrations ranging from 7.4 to 11 mg/kg.
- Selenium was detected in one soil samples (SB-20-3) at concentration of 1.3 J mg/kg.
- Vanadium was detected in each soil sample at concentrations ranging from 19 to 25 mg/kg.
- Zinc was detected in each soil sample at concentrations ranging from 30 to 69 J mg/kg.

Of the eight primary and duplicate soil samples analyzed for metals, only arsenic was detected above the RSL for industrial land use of 1.6 mg/kg, however, below the referenced regional background concentration of 12 mg/kg (Chernoff et all., 2008).

Semi-Volatile Organic Compounds (SVOCs)

Soil chemistry results for detected SVOCs are summarized on Table 3. The full list of SVOCs is in Appendix C.

- Bis(2-Ethylhexyl) Phthalate was detected in sample from SB-27 at 3 feet bgs at a concentration of 1,400 µg/kg.
- Phenol was detected in one sample from SB-27 at 3 feet bgs at a concentration of 650 µg/kg.

No other constituents were reported above analytical method detection limits in the 17 primary and duplicate soil samples chemically analyzed for SVOCs and none were reported at concentrations exceeding RSLs for industrial land use.

Tentatively Identified Compounds (TICs)

TICs are compounds that can be detected by the analytical methods but the identity and concentration cannot be confirmed without further testing. The TICs summarized in Table 3 are compounds that the instrumentation detected but the SVOC analytical methods did not specifically target. The TICs are qualified J as estimated and "N" as presumptive evidence of material. TICs detected during SVOC analysis of the soil samples include PAH (Polycyclic Aromatic Hydrocarbon)-like compounds, napthalenes, and other hydrocarbons. The TICs can represent potential hydrocarbon contamination. TIC results are briefly summarized below and tabulated on Table 3. The full list of SVOCs is in Appendix C.

- A total of 19 TICs were detected in the soil samples submitted for analysis.
- Only one TIC, tributyl phosphate (TBP), has a USEPA RSL. TBP was detected in 16 of the 17 submitted soil samples at concentrations ranging from 1,500 to 6,200,000 µg/kg. Four soil samples from three soil boring locations (SB-20, SB-21 and SB-25) exceeded the USEPA RSL of 190,000 µk/kg for TBP.

  [TBP is an colorless, odorless liquid (organophosphorus compound) with applications as an extractant and a plasticizer. The major uses of TBP in industry are as a flame retardant component of aircraft hydraulic fluid (OECD, 2001).]

Total Petroleum Hydrocarbons (TPHs)

Soil chemistry results for TPH are briefly summarized below and tabulated on Table 4.

- TPH was detected in each of the 17 samples submitted for TPH analysis at concentrations ranging from 7.9 to 13,000 mg/kg. These detections were predominantly in the diesel and motor oil range organics (including hydraulic oils) (C13-C40). Six samples from four soil boring locations (SB-20, SB-25, SB-27 and SB-28) were above the SSL of 1,000 mg/kg for diesel range.

  [Skydrol and the Red Oil used in the East Dock are hydraulic fluids.]

3.3 STORM DRAIN PIPE INSPECTION

The storm drain pipe extends from the roof and meanders through a series of bends to exit at its open-ended discharge point, just outside the East Dock area onto the asphalt parking lot area. The results of the storm drain pipe video inspection showed the pipe to be in good condition with no staining where the pipe was visible. A dark liquid material was found beginning from approximately 3.5 feet from the pipe discharge point, and approximately 27 feet from the roof inlet point. This dark liquid precluded complete visual inspection of the storm drain pipe and its potential as a conduit for impacting storm water leaving the Site. The dark liquid could be impacted storm water or trapped sediment-laden water at a low

point in the pipe. Visual staining was not observed on the asphalt surface beyond the storm drain discharge point.

3.4 SUMMARY

Seventeen (17) soil samples were collected and chemically analyzed, from seven soil boring locations at the Site, and a storm drain pipe inspection was completed on August 9-10, 2012, to evaluate the potential presence and extent of subsurface hydrocarbon impacts within and immediately adjacent to the readily accessible East Dock area and to evaluate the storm drain pipe physical condition to further evaluate it's potential to serve as a conduit for potentially impacting storm water discharges from the Site. The following summarizes the focused soil investigation results.

- Soil chemistry results for SVOCs and Title 22 Metals (excluding arsenic) were not detected above their respective Federal and/or State regulatory standards.
- Arsenic was detected in each of the soil samples above the USEPA Region IX RSL of 1.6 mg/kg, however, below the regional background concentration of 12 mg/kg.
- A total of 19 TICs were detected in the soil samples submitted, however, only TBP has a USEPA RSL. TBP was detected in four soil samples exceeding the RSL with the highest concentrations detected in boring SB-20, located directly adjacent to the storm drain outlet. TBP is commonly used in industry as a component of aircraft hydraulic fluid.
- Concentrations of petroleum hydrocarbons-gasoline and –motor oil range in soil samples were not detected above their respective SSLs.
- Concentrations of petroleum hydrocarbons-diesel range in soil samples exceeding the SSL (1,000 mg/kg) were detected in boring SB-20 (3- and 5-ft bgs) located directly adjacent to the storm drain outlet, and interior boring locations SB-25 (3-ft bgs), SB-27 (3-ft bgs) and SB-28 (0.5-ft bgs).
- Concentrations of petroleum hydrocarbons-diesel range and/or TIC-TBP, exceeded the regulatory standards in the deepest sample analyzed in three boring locations (SB-20, SB-25 and SB-27).
- The results of the storm drain pipe video inspection showed the pipe to be in good condition with no staining where the pipe was visible. The video inspection did show the presence of a dark liquid material that precluded complete visual inspection of the storm drain pipe and its potential as a conduit for impacting storm water leaving the Site. The dark liquid could be impacted storm water or trapped sediment-laden water at a low point in the pipe.

SECTION 4.0

LIMITATIONS

In conducting this investigation, MWH's services were completed 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. Information provided to MWH by client representatives and site contacts has been accepted in good faith and is assumed to be accurate unless written documentation or visual observations present contradictions. MWH's findings are based on observations and data collected at specific points in time. A change in any of these factors may alter the findings and conclusions expressed by MWH.

This report was limited to the areas of concern which were prioritized by discussions with GE and subject to the defined scope of services, budget and project schedule as set forth in the Contract. The information contained in this report reflects MWH's professional judgment based on the above limitations and subject to information reasonably available at the time of Report preparation. National and local laws and regulations, if referenced in this report, are provided for information purposes and should not be construed as legal opinion or recommendation. The negotiated scope of work inherently imposed limitations on the collection and interpretation of evidence.

This Report was prepared for the exclusive use of GE. Any third party use of this report, or any reliance on or decisions made on the basis of this report, are the sole responsibility of such third party. MWH accepts no responsibility for any damages suffered by a third party as a result of decisions made or actions taken based on this report.

SECTION 5.0

REFERENCES

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United States Geological Survey. 1995. Azusa, California 7.5-Minute Topographic Quadrangle Map.

TABLES

TABLE 1
FOCUSED SOIL INVESTIGATION SAMPLING AND ANALYSIS PROGRAM
1700 Business Center Drive, Duarte, California

Location	SAMPLING PROGRAM				ANALYSIS			
	Field Sample ID	Collection Date	Media	Sample Depth (ft bgs)	Semi-Volatile Organic Compounds + TICs	Total Petroleum Hydrocarbons Carbon-Chain	Metals	Hexavalent Chromium
SB-20	SB-20-0.5	08/10/12	Soil	0.5 - 1.0	X	X	X	X
	SB-20-3	08/10/12	Soil	2.5 - 3.0	X	X	X	X
	DUP-2	08/10/12	Soil	3.0 - 3.5	X	X	X	X
	SB-20-5	08/10/12	Soil	4.5 - 5.0	X	X	H	H
	SB-20-10	--	--	--	--			
SB-21	SB-21-0.5	08/09/12	Soil	0.5 - 1.0	X	X	X	X
	SB-21-3	08/09/12	Soil	2.5 - 3.0	X	X	X	X
	DUP-1	08/10/12	Soil	3.0 - 3.5	X	X	X	X
	SB-21-5	08/10/12	Soil	4.5 - 5.0	H	H	H	H
	SB-21-10	08/10/12	Soil	9.5 -10.0	H	H	H	H
SB-22	SB-22-0.5	08/10/12	Soil	0.5 - 1.0	X	X	X	X
	SB-22.3	08/10/12	Soil	2.5 - 3.0	X	X	X	X
	SB-22-5	08/10/12	Soil	4.5 - 5.0	H	H	H	H
	SB-22-10	--	--	--	--			
SB-25	SB-25-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-25-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-25-5	--	--	--	--			
	SB-25-10	--	--	--	--			
SB-26	SB-26-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-26-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-26-5	08/10/12	Soil	4.5 -5.0	H	H		
	SB-26-10	---	---	---	--			
SB-27	SB-27-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-27-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-27-5	--	--	--	--			
	SB-27-10	--	--	--	--			
SB-28	SB-28-0.5	08/09/12	Soil	0.5 - 1.0	X	X		
	SB-28-3	08/09/12	Soil	2.5 - 3.0	X	X		
	SB-28-5	--	--	--	--			
	SB-28-10	--	--	--	--			

Notes:

ft bgs - Feet below ground surface

DUP - Duplicate sample

H - Held at Lab, Not Analyzed

TICs - Tentatively Identified Compounds

-- - Not collected due to drilling refusal

TABLE 2
SOIL CHEMISTRY SUMMARY - METALS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentrations (mg/kg)[a]															
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	1.7 J	3.3	90	<0.79	0.45 J	10	<1.5	5.2	22	12	<0.20	11	<0.99	<0.79	<0.79	23	57
	SB-20-3	08/10/12	2.5 - 3.0	1.0 J	3.2	64	0.20 J	0.41 J	10	<1.5	5.2	16	6.4	<0.20	8.5	1.3 J B	<0.79	<0.79	23	64
	DUP-2	08/10/12	3.0 - 3.5	1.8 J	3	63	0.21 J	0.27 J	11	<1.5	6.2	15	5.5	<0.20	9.2	<0.99	<0.79	<0.79	25	48
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	1.4 J	3.7	86 J	<0.79	0.48 J	11	<1.5	6.1	23	9.6	<0.20	9.6	<0.99	<0.79	<0.79	24	69 J
	SB-21-3	08/09/12	2.5 - 3.0	1.2 J	3.6	63	<0.79	0.29 J	9.2	<1.5	5.4	16	6.5	<0.20	8	<0.99	<0.79	<0.79	19	41
	DUP-1	08/10/12	3.0 - 3.5	1.4 J	2.8	71	0.20 J	0.34 J	9.9	<1.5	5.9	16	7.1	<0.20	10	<0.99	<0.79	<0.79	22	44
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	1.0 J	4.2	67	0.21 J	0.23 J	11	<1.5	5.4	14	5.9	<0.20	8.4	<0.99	<0.79	<0.79	24	37
	SB-22.3	08/10/12	2.5 - 3.0	1.2 J	3.1	59	<0.79	<0.20	9.3	<1.5	4.6	12	3.1	<0.20	7.4	<0.99	<0.79	<0.79	21	30
Regional Screening Level[b]:				410	1.6	190,000	2,000	800	---	5.6	300	41,000	800	5,100	20,000	5,100	5,100	---	5,200	310,000
Background[c]:				0.16	12[d]	576	0.68	0.32	67	--	11.6	13	13.2	0.10	30	0.015	0.28	0.38	85	92

Notes:

[a] Samples analyzed using U.S. Environmental Protection Agency (EPA) Methods 6010/7471A and for hexavalent chromium using EPA Method 7199.

[b] Regional Screening Level - U.S. Environmental Protection Agency Regions 3, 6, and 9. Regional Screening Levels for Chemicals Contaminants at Superfund Sites (EPA, 2012), industrial scenario

[c] Background Concentrations of Trace and Major Elements in California Soils (Bradford, et al., 1996). Concentrations near the San Bernardino area were used for comparisons if metal exceeded Regional Screening Level

[d] Determination of a Southern California Regional Background Arsenic Concentration in Soil, California Department of Toxic Substance Control. (Chernoff et al., 2008).

DUP - Duplicate sample

B - Compound was found in the blank and sample.

ft bgs - Feet below ground surface

J - Result is estimated

mg/kg - Milligrams per kilogram

NA - Not analyzed

< - Not detected above the method detection limit shown

-- - Not collected due to drilling refusal

--- - No RSL

TABLE 3
SOIL CHEMISTRY SUMMARY - DETECTED SEMI-VOLATILE ORGANIC AND TENTATIVELY IDENTIFIED COMPOUNDS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentration (µg/kg)																					
				SVOCs		TICs																			
				Bis(2-ethylhexyl) phthalate	Phenol	2-Pentanone, 4-hydroxy-4-methyl	Tributyl phosphate	2,3,4,5-Tetrafluorobenzonitrile	2,4-Hexadienedioic acid	3-Hydroxy-4-phenyl-5-butyl-1,2,4-triazol	4-(Trifluoromethyl)mandelic acid	n-Octadecane	Diphenyl phosphate	Hexatriacontane	1-Eicosene	1-Octadecene	Nonadecane, 9-methyl-	Octadecane	Propanenitrile, 2-chloro-3-(phenylsulfonyl)	9-Chloro-4,5-dihydro-4-[3,4,5-trimethoxy	Benzene, [(trifluoromethyl)sulfonyl]-	Docosane	Heptacosane	Tritetracontane
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	<360	<360	<8,600 UJ	68,000	ND	ND	ND	ND	890 J	25,000	4,000	4,500	ND	ND	ND	ND	ND	ND	ND	ND	6,700
	SB-20-3	08/10/12	2.5 - 3.0	<360	62,000 J	ND	6,200,000	ND	ND	ND	ND	67,000	2,500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DUP-2	08/10/12	3.0 - 3.5	<360	<360	ND	4,800,000	ND	ND	ND	ND	44,000	1,800,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-20-5	08/10/12	4.5 - 5.0	<360	<360	ND	970,000	ND	ND	ND	ND	ND	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	<360	6,900 J	ND	230,000	ND	ND	ND	ND	ND	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-21-3	08/09/12	2.5 - 3.0	<360	<360	ND	54,000	ND	ND	ND	ND	ND	29,000	ND	ND	ND	ND	ND	ND	ND	ND	5,500	ND	ND
	DUP-1	08/10/12	3.0 - 3.5	<360	1,400 J	<9,200 UJ	56,000	ND	ND	ND	ND	800 J	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,800
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	<360	<360	<9,500 UJ	8,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	730	1,100	ND
	SB-22.3	08/10/12	2.5 - 3.0	<360	<360	<9,200 UJ	550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-25	SB-25-0.5	08/09/12	0.5 - 1.0	<360	<360	<6,800 UJ	4,200	ND	ND	ND	13,000	ND	3,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-25-3	08/09/12	2.5 - 3.0	<360	<360	ND	220,000	660,000	ND	ND	ND	ND	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-26	SB-26-0.5	08/09/12	0.5 - 1.0	<360	<360	<8,000 UJ	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-26-3	08/09/12	2.5 - 3.0	<360	150 J	<8,700 UJ	1,500	ND	ND	ND	5,200	ND	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-27	SB-27-0.5	08/09/12	0.5 - 1.0	<360	<360	<6,700 UJ	4,800	ND	ND	ND	10,000	ND	2,900	ND	ND	3,900	7,400	8,100	ND	4,600	14,000	ND	ND	ND
	SB-27-3	08/09/12	2.5 - 3.0	1,400 J	6,700	<7,500 UJ	88,000	ND	ND	ND	190,000	ND	12,000	ND	ND	55,000	7,100	6,700	ND	1,300	5,000	ND	ND	ND
SB-28	SB-28-0.5	08/09/12	0.5 - 1.0	<360	<360	ND	44,000	ND	ND	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB-28-3	08/09/12	2.5 - 3.0	<360	<360	<7,100 UJ	130,000	ND	16,000	ND	ND	ND	110,000	ND	ND	ND	ND	ND	7,200	ND	ND	ND	ND	ND
Regional Screening Level:				---	---	---	190,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 4
SOIL CHEMISTRY SUMMARY - TOTAL PETROLEUM HYDROCARBONS
1700 Business Center Drive, Duarte, California

Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Concentrations (mg/kg)[a]		
				C4-C12	C13-C22	C23-C40
SB-20	SB-20-0.5	08/10/12	0.5 - 1.0	<140	180	330
	SB-20-3	08/10/12	2.5 - 3.0	230 J	13,000	<1,000
	DUP-2	08/10/12	3.0 - 3.5	<140 UJ	12,000	<2,100
	SB-20-5	08/10/12	4.5 - 5.0	<150	3,000	370 J
SB-21	SB-21-0.5	08/09/12	0.5 - 1.0	<140	900	630
	SB-21-3	08/09/12	2.5 - 3.0	<140	210	250
	DUP-1	08/10/12	3.0 - 3.5	<140	230	240
SB-22	SB-22-0.5	08/10/12	0.5 - 1.0	<140	35	130
	SB-22.3	08/10/12	2.5 - 3.0	<140	26	59
SB-25	SB-25-0.5	08/09/12	0.5 - 1.0	<140	150	250
	SB-25-3	08/09/12	2.5 - 3.0	<150 UJ	1,100	1,500
SB-26	SB-26-0.5	08/09/12	0.5 - 1.0	<140	<7	54
	SB-26-3	08/09/12	2.5 - 3.0	<140	7.9	5.2
SB-27	SB-27-0.5	08/09/12	0.5 - 1.0	<140	380	360
	SB-27-3	08/09/12	2.5 - 3.0	<140	1,200	320
SB-28	SB-28-0.5	08/09/12	0.5 - 1.0	<150	3,000	1,100
	SB-28-3	08/09/12	2.5 - 3.0	<150	610	170
Soil Screening Level[b]:				500 (Gasoline Range)	1,000 (Diesel Range)	10,000 (Motor Oil Range)

Notes:

[a] Samples analyzed using U.S. Environmental Protection Agency Method 8015M

[b] Soil Screening Level - Los Angeles Regional Water Quality Control Board maximum soil screening level for distance above groundwater >20 feet (RWQCB, 1996)

DUP - Duplicate sample

ft bgs - Feet below ground surface

mg/kg - Milligrams per kilogram

J - Result is estimated

UJ - the analyte is not detected; however, the reporting limit or method detection limit is qualified as estimated

< - Not detected above the detection limit shown

-- - Not collected due to drilling refusal

FIGURES

SOURCE: GOOGLE EARTH
PHOTOGRAPH TAKEN MARCH 7, 2011

0 FEET 1000
SCALE

N

MWH

GE AVIATION
1700 BUSINESS CENTER DR.
DUARTE, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

Residential

Industrial Complex

Industrial Complex

Business Center Drive

Grass

Grass

Grass

Parking

GE Aviation
Site Building

East Dock
Area

Parking

Highland Avenue

Industrial Complex

See Figure 3
for Detail

Stormwater
Catch Basin

Industrial Complex

Industrial Complex

N

0 FEET 100
SCALE

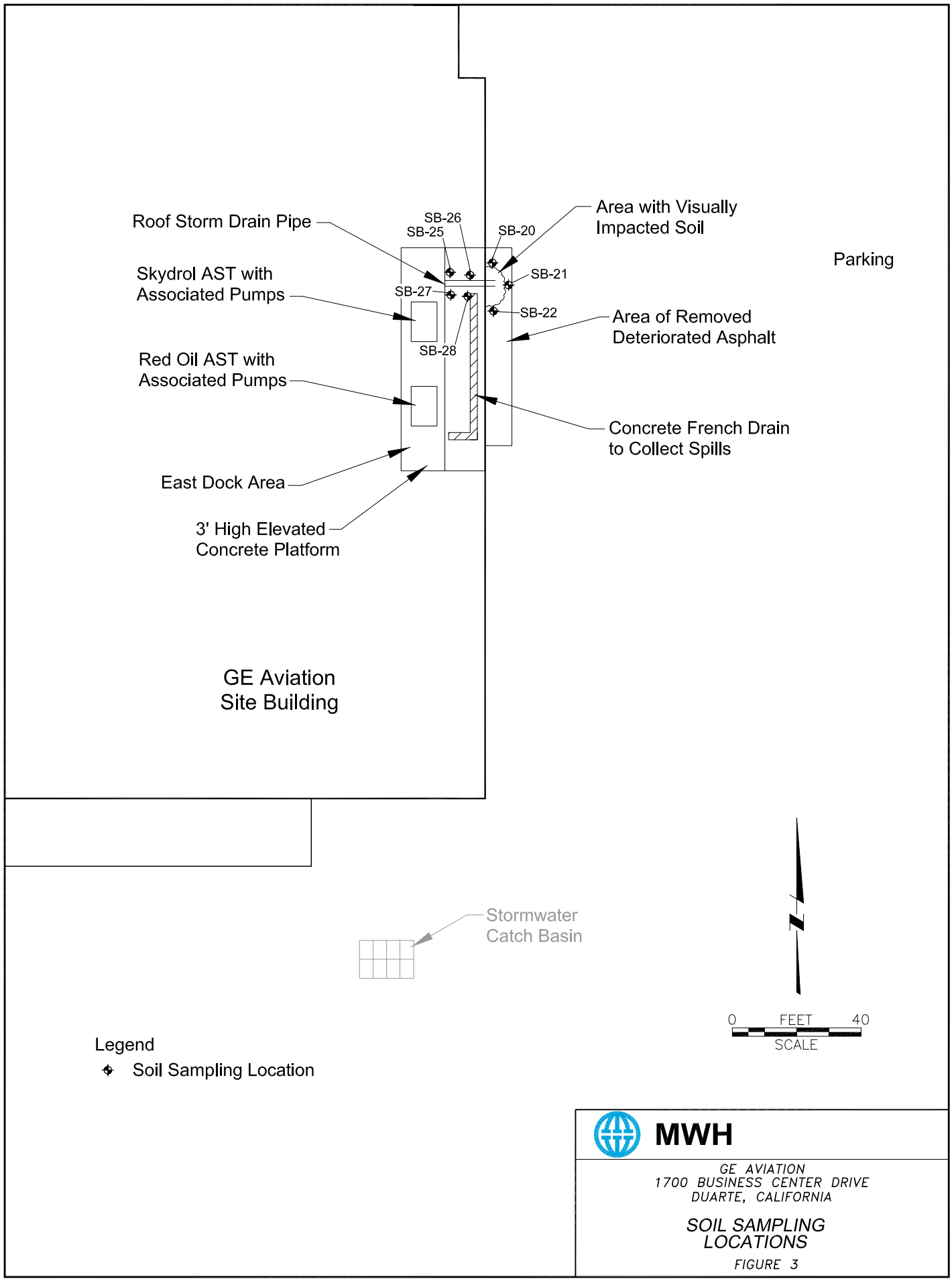
FILE No. CAD MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN 7 23 12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SITE PLAN

FIGURE 2



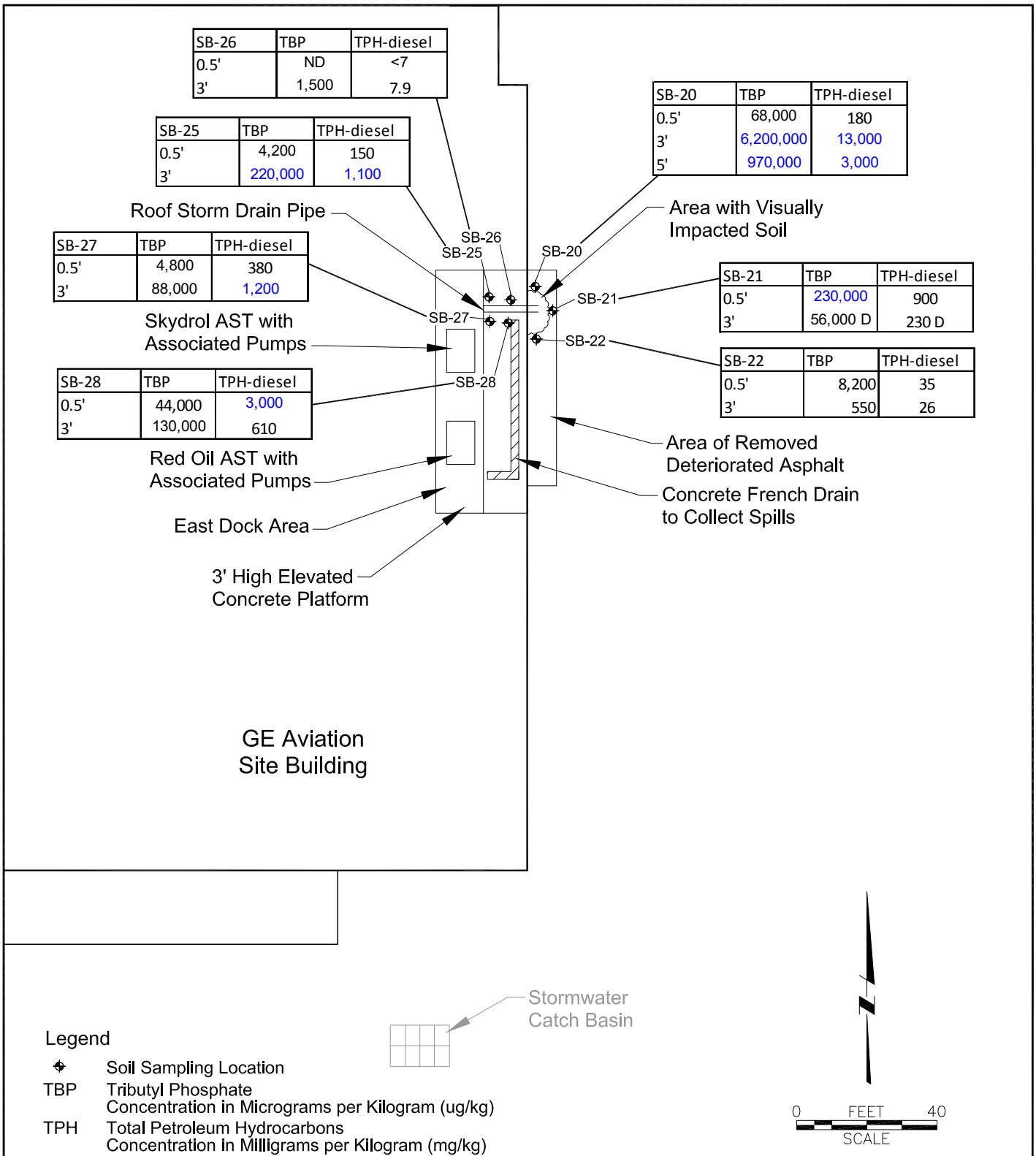
FILE No. CAD MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN 7 23 12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SOIL SAMPLING LOCATIONS

FIGURE 3



Legend

⌖	Soil Sampling Location
TBP	Tributyl Phosphate Concentration in Micrograms per Kilogram (ug/kg)
TPH	Total Petroleum Hydrocarbons Concentration in Milligrams per Kilogram (mg/kg)
1,010	TPH Concentration Above RWQCB Maximum Soil Screening Level of 1,000 mg/kg
220,000	TBP Concentration Above EPA Industrial Regional Screening Level (RSL) of 190,000 ug/kg
<	Not Detected Above the Detection Limit Shown
D	Duplicate Sample
ND	Not Detected

FILE No. CAD_MLUEBKE\GE_PROJECTS\GE_DUARTE\TPH_IN_SOIL_9_12

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

TOTAL PETROLEUM HYDROCARBONS (TPHs) & TENTATIVELY IDENTIFIED COMPOUNDS (TICs) CONCENTRATIONS IN SOIL

FIGURE 4

APPENDIX A

BORING LOGS

Drilling Log

MWH

Soil Boring **SB-20**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *6.5 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/10/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	1.3	SB-20-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, some pea gravel (fill).	
2	8.1	SB-20-3 100%			SP SM	SAND w/silt and gravel, dark greyish brown (2.5Y 4/2), dry, fine to coarse sand, gravel up to 3", subrounded to round.	
4	3.2	SB-20-5 100%			GP	GRAVEL/COBBLES w/sand, dry, fine sand, trace medium and coarse sand.`	
6						Refusal at 6.5'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-21**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *10.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	2.1	SB-21-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coase sand, some pea gravel (fill).	
2	2.8	SB-21-3 100%			SP SM	SAND w/silt and gravel, very dark greyish brown (10YR 3/2), dry, predominantly coarse with few fine and medium graines, subrounded gravel up to 2.5".	
4	2.8	SB-21-5 100%					
6						At 6.5', increase in gravel content.	
8					GP	GRAVEL w/sand, very dark greyish brown (10YR 3/2), dry, very dense, fine to coarse sand, little silt, difficult drilling.	
10	1.1	SB-21-10 100%	41 40 37			End of boring = 10'.	
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-22**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *7.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/10/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	1.8	SB-22-0.5 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, predominantly fine grained, subangular pea gravel (fill).	
2	2.8	SB-22-3 100%					
4					SP	SAND w/gravel, very dark greyish brown (10YR 3/2), dry, gravel is fine to coarse, subrounded, up to 3".	
	4.0	SB-22-5 100%					
6					GP	GRAVEL and COBBLES w/silt, very dark greyish brown (10YR 3/2), dry, difficult drilling	
						Refusal at 7'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-25**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *3.5 ft* Borehole Diameter *4.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.1	SB-25-0.5 100%			SP SM	Concrete. SAND w/silt, brown (10YR 4/3), moist, fine to coarse, predominantly fine sand, few gravel.	
2	0.0	SB-25-3 100%			GP	GRAVEL and COBBLES w/sand, very dark greyish brown (10YR 3/2), dry, cobbles up to 10".	
4						Refusal at 3.5'.	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

Drilling Log

MWH

Soil Boring **SB-26**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *6.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Limited Access Hollow-Stem Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/10/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Concrete.	
	1.7	SB-26-0.5 100%			ML	Sandy SILT w/gravel, dark brown (7.5YR 3/2).	
2	0.0	SB-26-3 100%			SP SM	SAND w/silt and gravel, brown (10YR 5/3), dry, predominantly fine to medium sand, few coarse grains, coarse subrounded gravel, some cobbles up to 11".	
4	0.0	SB-26-5 100%			GP	GRAVEL w/sand, brown (10YR 5/3), dry, coarse subrounded gravel, sand is fine to coarse, cobbles up to 11".	
6						Refusal at 6'.	
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-27**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *4.0 ft* Borehole Diameter *4.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Concrete.	
	3.5	SB-27-0.5 100%			SM	Silty SAND w/gravel, brown (10YR 4/3), dry, fine to coarse sand, predominantly fine, coarse subrounded gravel up to 3".	
2	3.7	SB-27-3 100%			GP	GRAVEL w/sand, dark greyish brown (2.5Y 4/2), coarse gravel up to 3", cobbles up to 7".	
4						Refusal at 4'.	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

Drilling Log

MWH

Soil Boring **SB-28**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *10501103*

Surface Elev. *NA* Total Depth *3.5 ft* Borehole Diameter *NA* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *BC² Environmental* Drilling Method *Hand Auger*

Driller *Sergio Perez* Driller C-57 # *969758* Log By *J. Dolmat*

Start Date *8/9/2012* Completion Date *8/9/2012* Checked By *M. Flaugher, P.G.*

COMMENTS
Backfilled with cement/bentonite grout.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.0	SB-28-0.5 100%			SM	Concrete. Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to medium sand, trace coarse sand, gravel up to 2".	
2	0.0	SB-28-3 100%			GP	GRAVEL w/sand, dark greyish brown (2.5Y 4/2), dry, fine to coarse subrounded gravel up to 3", cobbles up to 10".	
4						Refusal at 3.5".	
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 10/3/12

APPENDIX B

DATA ADEQUACY EVALUATION REPORT

M E M O R A N D U M

MWH

Data Validation Report

To: Michael Flaugher – PAS
From: Sarah Von Raesfeld – WCK
Report Reference: TestAmerica Laboratories Inc. SDGs 440-19898-1 and 440-20036-1

Date: September 17, 2012
Site: GE - Duarte
Job Number: 10501103
File Reference:

This data validation report has been prepared for the above referenced site and summarizes the review of analytical data submitted by TestAmerica Laboratories, Inc. located in Irvine, California. Samples were collected August 9-10, 2012 as part of the Site Investigation conducted in Duarte, California. Eighteen (18) primary field samples, two (2) field duplicates, and two (2) field quality control (QC) samples were submitted. The following samples were submitted as field duplicate pairs:

Duplicate	*Primary Sample*
DUP-1	SB-21-3
DUP-2	SB-23-3

Samples were analyzed by one or more of the following methods:

- Semi-volatile organic compounds (SVOCs) by United States Environmental Protection Agency (USEPA) Method SW8270C
- Title 22 Metals (no Hg) by USEPA Method SW6010B
- Diesel range organics (DRO), C13-C22 and C23-C40, by USEPA Method SW8015B
- Gasoline range organics (GRO), C4-C12), by USEPA Method SW8015B
- Hexavalent chromium by USEPA Methods SW7199 and SW7196A

Results were reviewed in accordance with the appropriate methods listed above. In addition, the USEPA Contract Laboratory Program National Functional Guidelines for Organic (USEPA 2008) and Inorganic (USEPA 2010) Data Review was used to provide overall guidance for the validation process. The data review included an evaluation of the following QC parameters based on standard performance criteria presented in these documents.

- Analytical Holding Times/Sample Preservation
- Method Blanks and Equipment Rinse Blanks
- Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Performance

- Surrogate Percent Recovery
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Performance
- Field Duplicate Comparison
- Detection Limits

Summary of Findings:

Data were qualified as necessary based on the data validation process described above. Qualified results are listed in Table 1. All samples were analyzed according to the accompanying chains of custody (COCs) and all analytical holding times were met.

QC data were reviewed for laboratory and instrument precision and accuracy from LCS/LCSD recoveries and relative percent differences (RPDs), MS/MSD sample recoveries and RPDs, lab duplicate RPDs, and surrogate recoveries (organic analyses). All precision and accuracy QC elements were found to be within acceptable limits with the following exceptions:

- The surrogate recoveries associated with the GRO analysis of SB-25-3, SB-20-3, and DUP-2 were less than the lower control limit. GRO was not detected in SB-25-3 and DUP-2 and was qualified as an estimated non-detect (UJ) at the method detection limit, with a low bias. GRO was detected in SB-20-3 and was qualified as estimated (J) with a low bias.

- The LCS/LCSD percent recoveries associated with the SVOC analysis of two equipment rinse blanks were less than the lower control limit for 17 compounds. All of the SVOCs were not detected and were qualified as estimated non-detects (UJ) at the method detection limit, with a low bias.

- The MS/MSD percent recoveries associated with the metals analysis of SB-21-0.5 were less than the lower control limit for antimony and barium. Both metals were detected in the sample and were qualified as estimated (J) with a low bias. Additionally, barium was qualified as estimated (J) because the MS percent recovery was high, the MSD percent recovery was low, and the MS/MSD RPD was greater than the laboratory-established control limit.

- The MS/MSD percent recoveries associated with the SVOC analysis of SB-26-3 were less than the lower control limit for benzidine. Benzidine was not detected in the sample and was qualified as an estimated non-detect (UJ) with a low bias.

Field sampling precision was also evaluated by using the calculated RPD between results reported for the field duplicate pairs, which are listed above. All field duplicate met the control limit of 30 with the exception of antimony and cadmium in the field duplicate pair SB-20-3 / DUP-2. These results were qualified as estimated (J) in the primary field sample, as listed in Table 1.

No target analytes were detected in any method blank or equipment rinse blank samples with the following exceptions:

- The method blank associated with the SVOC analysis of all soil samples contained 4-

hydroxy-4-methyl-2-pentanone. 4-Hydroxy-4-methyl-2-pentanone was detected in ten samples as a tentatively identified compound (TICs); since this compound is a TIC and does not have a reporting limit, the results were qualified as not detected at the estimated sample concentration (UJ) with a high bias.

- The method blank associated with the metals analysis of one equipment rinse blank sample contained arsenic. Arsenic was detected in the sample at a concentration that was below the reporting limit; the result was qualified as not detected at the reporting limit (U) with no bias.

Sample dilutions for all analyses were performed appropriately with respect to the analyte present in the highest concentration. All results that were reported had the lowest dilution factor possible while still detected within the calibration range of the instrument.

All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes.

TABLE 1

SUMMARY OF QUALIFIED DATA
GE AVIATION
DUARTE, CALIFORNIA

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flag	Bias	Comment
SB-27-0.5	440-19898-1	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 6,700	µg/kg	UJ	High	TIC; MB Contamination
SB-27-3	440-19898-2	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 7,500	µg/kg	UJ	High	TIC; MB Contamination
SB-28-3	440-19898-4	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 7,100	µg/kg	UJ	High	TIC; MB Contamination
SB-25-0.5	440-19898-5	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 6,800	µg/kg	UJ	High	TIC; MB Contamination
SB-26-0.5	440-19898-6	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,000	µg/kg	UJ	High	TIC; MB Contamination
SB-26-3	440-19898-7	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,700	µg/kg	UJ	High	TIC; MB Contamination
SB-26-3	440-19898-7	Soil	EPA 8270C	Benzidine	< 660	µg/kg	UJ	Low	MS/MSD %R < LCL
SB-25-3	440-19898-8	Soil	EPA 8015B	GRO (C4-C12)	< 150	µg/kg	UJ	Low	Surrogate %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2,6-Dinitrotoluene	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2-Chloronaphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	2-Nitroaniline	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	3,3'-Dichlorobenzidine	< 7.1	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	4-Bromophenyl phenyl ether	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	4-Chlorophenyl phenyl ether	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Acenaphthene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Benzo[a]anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Bis(2-ethylhexyl) phthalate	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Chrysene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Dibenzofuran	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Fluorene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Hexachlorobenzene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Naphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	n-Nitrosodiphenylamine	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-080912	440-19898-9	Water	EPA 8270C	Phenanthrene	< 3.3	µg/L	UJ	Low	LCS/LCSD %R < LCL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Antimony	1.4	mg/kg	J	Low	MS/MSD %R < LCL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Barium	86	mg/kg	J	NDT	MS %R > UCL; MSD %R < LCL; MS/MSD RPD > CL
SB-21-0.5	440-20036-1	Soil	EPA 6010B	Zinc	69	mg/kg	J	Low	MS/MSD %R < LCL
SB-22-0.5	440-20036-6	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,500	µg/kg	UJ	High	TIC; MB Contamination
SB-22-3	440-20036-7	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,200	µg/kg	UJ	High	TIC; MB Contamination
SB-20-0.5	440-20036-8	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 8,600	µg/kg	UJ	High	TIC; MB Contamination
SB-20-3	440-20036-10	Soil	EPA 8015B	GRO (C4-C12)	230	µg/kg	J	Low	Surrogate %R < LCL
SB-20-3	440-20036-10	Soil	EPA 6010B	Antimony	1.0	mg/kg	J	NDT	FD RPD > CL
SB-20-3	440-20036-10	Soil	EPA 6010B	Cadmium	0.41	mg/kg	J	NDT	FD RPD > CL
DUP-1	440-20036-12	Soil	EPA 8270C	4-hydroxy-4-methyl-2-pentanone	< 9,200	µg/kg	UJ	High	TIC; MB Contamination
DUP-2	440-20036-13	Soil	EPA 8015B	GRO (C4-C12)	< 140	µg/kg	UJ	Low	Surrogate %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2,6-Dinitrotoluene	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2-Chloronaphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	2-Nitroaniline	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	3,3'-Dichlorobenzidine	< 7.2	µg/L	UJ	Low	LCS/LCSD %R < LCL

TABLE 1

SUMMARY OF QUALIFIED DATA
GE AVIATION
DUARTE, CALIFORNIA

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flag	Bias	Comment
EB-081012	440-20036-14	Water	EPA 8270C	4-Bromophenyl phenyl ether	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	4-Chlorophenyl phenyl ether	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Acenaphthene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Benzo[a]anthracene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Bis(2-ethylhexyl) phthalate	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Chrysene	< 2.4	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Dibenzofuran	< 3.8	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Fluorene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Hexachlorobenzene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Naphthalene	< 2.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	n-Nitrosodiphenylamine	< 1.9	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 8270C	Phenanthrene	< 3.3	µg/L	UJ	Low	LCS/LCSD %R < LCL
EB-081012	440-20036-14	Water	EPA 6010B	Arsenic	< 0.01	mg/L	U	NA	MB Contamination

Notes:

µg/kg- microgram per kilogram

µg/L - microgram per liter

mg/kg- milligram per kilogram

mg/L - milligram per liter

J - result is estimated.

U - the result is not detected above the reporting limit

UJ - the analyte is not detected; however, the reporting limit or method detection limit is qualified as estimated

%R - percent recover

CL - control limit

EPA - Environmental Protection Agency

FD - field duplicate

GRO - gasoline range organics

LCL - lower control limit

LCS/LCSD - laboratory control sample/laboratory control sample duplicate

MB - method blank

MS/MSD - matrix spike/matrix spike duplicate

NA - not applicable

NDT - not determined

RPD - relative percent difference

TIC - tentatively identified compound

UCL - upper control limit

APPENDIX C

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-19898-1
Client Project/Site: GE duarte

For:
MWH Americas Inc
618 Michillinda Avenue, Suite 200
Arcadia, California 91007

Attn: Mr. Michael Flaugher

Authorized for release by:
8/23/2012 3:14:28 PM

Jonathan Bousselaire
Project Manager I
jonathan.bousselaire@testamericainc.com

Table of Contents

Sample Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-19898-1	SB-27-0.5	Solid	08/09/12 09:58	08/09/12 18:05
440-19898-2	SB-27-3	Solid	08/09/12 10:23	08/09/12 18:05
440-19898-3	SB-28-0.5	Solid	08/09/12 10:48	08/09/12 18:05
440-19898-4	SB-28-3	Solid	08/09/12 11:02	08/09/12 18:05
440-19898-5	SB-25-0.5	Solid	08/09/12 11:22	08/09/12 18:05
440-19898-6	SB-26-0.5	Solid	08/09/12 11:38	08/09/12 18:05
440-19898-7	SB-26-3	Solid	08/09/12 12:02	08/09/12 18:05
440-19898-8	SB-25-3	Solid	08/09/12 12:24	08/09/12 18:05
440-19898-9	EB-080912	Water	08/09/12 15:30	08/09/12 18:05

Job ID: 440-19898-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-19898-1

Comments
No additional comments.

Receipt
The samples were received on 8/9/2012 6:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 44471 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45901. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 45901 exceeded control limits for several analytes. Low recoveries are possibly due to less than optimal extraction conditions such as fluctuations in heating mantle temp, condenser water temp, ambient light, angle of apparatus, spike solvent, etc. Holdtimes for many samples have expired.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: SB-25-3 (440-19898-8).

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: SB-25-3 (440-19898-8). Re-extraction and/or re-analysis was performed with concurring results. The second analysis has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45524. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Due to the level of dilution required for the following samples, surrogate recoveries do not provide useful information: SB-25-3 (440-19898-8), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4).

Method(s) 8015B: Hydrocarbon result partly due to individual peaks in quantitation range.

No other analytical or quality issues were noted.

Metals

Method(s) 6010: Per Client request, metals have been cancelled, per Joan Dolmat

General Chemistry
No analytical or quality issues were noted.

Job ID: 440-19898-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Organic Prep

Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-25-0.5 (440-19898-5), SB-25-3 (440-19898-8), SB-26-0.5 (440-19898-6), SB-27-0.5 (440-19898-1), SB-27-3 (440-19898-2), SB-28-0.5 (440-19898-3), SB-28-3 (440-19898-4). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-0.5
Date Collected: 08/09/12 09:58
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1300	200	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,2-Dichlorobenzene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,2-Diphenylhydrazine(as Azobenzene)	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,3-Dichlorobenzene	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
1,4-Dichlorobenzene	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4,5-Trichlorophenol	ND		1300	520	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4,6-Trichlorophenol	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dichlorophenol	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dimethylphenol	ND		1300	400	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dinitrophenol	ND		2600	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,4-Dinitrotoluene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2,6-Dinitrotoluene	ND		1300	380	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Chloronaphthalene	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Chlorophenol	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Methylnaphthalene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Methylphenol	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Nitroaniline	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
2-Nitrophenol	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3,3'-Dichlorobenzidine	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3-Nitroaniline	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4,6-Dinitro-2-methylphenol	ND		1700	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Bromophenyl phenyl ether	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chloro-3-methylphenol	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chloroaniline	ND		1300	480	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Chlorophenyl phenyl ether	ND		1300	340	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
3-Methylphenol + 4-Methylphenol	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Nitroaniline	ND		3300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
4-Nitrophenol	ND		3300	560	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Acenaphthene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Acenaphthylene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Aniline	ND		1700	340	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Anthracene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzidine	ND		2600	2600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[a]anthracene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[a]pyrene	ND		1300	220	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[b]fluoranthene	ND		1300	200	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[g,h,i]perylene	ND		1300	440	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzo[k]fluoranthene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzoic acid	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Benzyl alcohol	ND		1300	800	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-chloroethoxy)methane	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-chloroethyl)ether	ND		680	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Bis(2-ethylhexyl) phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Butyl benzyl phthalate	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Chrysene	ND		1300	300	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dibenz(a,h)anthracene	ND		1700	400	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dibenzofuran	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Diethyl phthalate	ND		1300	380	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Dimethyl phthalate	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Di-n-butyl phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2

Client Sample ID: SB-27-0.5
Date Collected: 08/09/12 09:58
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Fluoranthene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Fluorene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorobenzene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorobutadiene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachlorocyclopentadiene	ND		3300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Hexachloroethane	ND		1300	260	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Indeno[1,2,3-cd]pyrene	ND		1300	520	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Isophorone	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Naphthalene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Nitrobenzene	ND		1300	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
N-Nitrosodi-n-propylamine	ND		1000	280	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
N-Nitrosodiphenylamine	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Pentachlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Phenanthrene	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Phenol	ND		1300	360	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
Pyrene	ND		1300	320	ug/Kg		08/10/12 08:51	08/13/12 05:55	2
bis (2-chloroisopropyl) ether	ND		1300	240	ug/Kg		08/10/12 08:51	08/13/12 05:55	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*6700*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Tributyl phosphate	*4800*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
4-(Trifluoromethyl)mandelic acid	*10000*	*T J N*	*ug/Kg*		*8.74*	*395-35-7*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Diphenyl phosphate	*2900*	*T J N*	*ug/Kg*		*9.55*	*838-85-7*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
1-Octadecene	*3900*	*T J N*	*ug/Kg*		*11.21*	*112-88-9*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Nonadecane, 9-methyl-	*7400*	*T J N*	*ug/Kg*		*11.31*	*13287-24-6*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Octadecane	*8100*	*T J N*	*ug/Kg*		*11.56*	*593-45-3*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
9-Chloro-4,5-dihydro-4-[3,4,5-trimethoxy	*4600*	*T J N*	*ug/Kg*		*11.60*	*1000212-48-1*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Benzene, [(trifluoromethyl)sulfonyl]-	*14000*	*T J N*	*ug/Kg*		*11.85*	*426-58-4*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Eicosane	*15000*	*T J N*	*ug/Kg*		*11.90*	*112-95-8*	*08/10/12 08:51*	*08/13/12 05:55*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 125*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Terphenyl-d14 (Surr)	*79*		*40 - 135*	*08/10/12 08:51*	*08/13/12 05:55*	*2*
Phenol-d6 (Surr)	*63*		*35 - 120*	*08/10/12 08:51*	*08/13/12 05:55*	*2*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*65 - 140*		*08/13/12 17:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**380**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 10:49	1
C23-C40	**360**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 10:49	1

Client Sample ID: SB-27-0.5

Lab Sample ID: 440-19898-1

Date Collected: 08/09/12 09:58

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	98		40 - 140	08/15/12 09:03	08/17/12 10:49	1

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2600	400	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,2-Dichlorobenzene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,2-Diphenylhydrazine(as Azobenzene)	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,3-Dichlorobenzene	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
1,4-Dichlorobenzene	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4,5-Trichlorophenol	ND		2600	1000	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4,6-Trichlorophenol	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dichlorophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dimethylphenol	ND		2600	800	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dinitrophenol	ND		5300	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,4-Dinitrotoluene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2,6-Dinitrotoluene	ND		2600	760	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Chloronaphthalene	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Chlorophenol	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Methylnaphthalene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Methylphenol	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Nitroaniline	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
2-Nitrophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3,3'-Dichlorobenzidine	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3-Nitroaniline	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4,6-Dinitro-2-methylphenol	ND		3400	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Bromophenyl phenyl ether	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chloro-3-methylphenol	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chloroaniline	ND		2600	960	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Chlorophenyl phenyl ether	ND		2600	680	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
3-Methylphenol + 4-Methylphenol	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Nitroaniline	ND		6600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
4-Nitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Acenaphthene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Acenaphthylene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Aniline	ND		3400	680	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Anthracene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzidine	ND		5300	5300	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[a]anthracene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[a]pyrene	ND		2600	440	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[b]fluoranthene	ND		2600	400	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[g,h,i]perylene	ND		2600	880	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzo[k]fluoranthene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzoic acid	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Benzyl alcohol	ND		2600	1600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-chloroethoxy)methane	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-chloroethyl)ether	ND		1400	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Bis(2-ethylhexyl) phthalate	**1400**	**J**	2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-3
Date Collected: 08/09/12 10:23
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Chrysene	ND		2600	600	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dibenz(a,h)anthracene	ND		3400	800	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dibenzofuran	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Diethyl phthalate	ND		2600	760	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Dimethyl phthalate	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-butyl phthalate	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-octyl phthalate	ND		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Fluoranthene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Fluorene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorobenzene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorobutadiene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachlorocyclopentadiene	ND		6600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Hexachloroethane	ND		2600	520	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Indeno[1,2,3-cd]pyrene	ND		2600	1000	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Isophorone	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Naphthalene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Nitrobenzene	ND		2600	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
N-Nitrosodi-n-propylamine	ND		2000	560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
N-Nitrosodiphenylamine	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Pentachlorophenol	ND		6600	1200	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Phenanthrene	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Phenol	**6700**		2600	720	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Pyrene	ND		2600	640	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
bis (2-chloroisopropyl) ether	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7500*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Tributyl phosphate	*88000*	*T J N*	*ug/Kg*		*7.87*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2,3,4,5-Tetrafluorobenzonitrile	*190000*	*T J N*	*ug/Kg*		*8.74*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
6,10,13-Trimethyltetradecanol	*12000*	*T J N*	*ug/Kg*		*9.32*	*1000131-71-0*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Diphenyl phosphate	*55000*	*T J N*	*ug/Kg*		*9.53*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
1-Eicosene	*7100*	*T J N*	*ug/Kg*		*11.17*	*3452-7-1*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*6700*	*T J N*	*ug/Kg*		*11.27*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*13000*	*T J N*	*ug/Kg*		*11.51*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
3-Acetyl-1-(3,4-dimethoxyphenyl) -5-ethyl	*5000*	*T J N*	*ug/Kg*		*11.56*	*90140-65-1*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Eicosane	*25000*	*T J N*	*ug/Kg*		*11.86*	*112-95-8*	*08/10/12 08:51*	*08/13/12 06:16*	*4*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2-Fluorophenol (Surr)	*64*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Nitrobenzene-d5 (Surr)	*62*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Terphenyl-d14 (Surr)	*82*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:16*	*4*
Phenol-d6 (Surr)	*71*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:16*	*4*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/13/12 18:05	1

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*65 - 140*		*08/13/12 18:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	1200		100	70	mg/Kg		08/15/12 09:03	08/17/12 11:30	10
C23-C40	320		100	70	mg/Kg		08/15/12 09:03	08/17/12 11:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*117*		*40 - 140*	*08/15/12 09:03*	*08/17/12 11:30*	*10*

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 06:37	5

Client Sample ID: SB-28-0.5
Date Collected: 08/09/12 10:48
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-3
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*44000*	*T J N*	*ug/Kg*		*7.86*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
3-Hydroxy-4-phenyl-5-butyl-1,2,4-triazol	*120000*	*T J N*	*ug/Kg*		*8.73*	*66921-14-0*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Diphenyl phosphate	*33000*	*T J N*	*ug/Kg*		*9.53*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:37*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Nitrobenzene-d5 (Surr)	*58*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Terphenyl-d14 (Surr)	*81*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:37*	*5*
Phenol-d6 (Surr)	*61*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:37*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/13/12 18:32	1

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*65 - 140*		*08/13/12 18:32*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	3000		500	350	mg/Kg		08/15/12 09:03	08/18/12 00:54	20
C23-C40	1100		500	350	mg/Kg		08/15/12 09:03	08/18/12 00:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*102*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:54*	*20*

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 06:58	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-28-3
Date Collected: 08/09/12 11:02
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-4
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7100*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Tributyl phosphate	*130000*	*T J N*	*ug/Kg*		*7.87*	*126-73-8*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,3,4,5-Tetrafluorobenzonitrile	*280000*	*T J N*	*ug/Kg*		*8.75*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,4-Hexadienedioic acid	*16000*	*T J N*	*ug/Kg*		*9.32*	*505-70-4*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Diphenyl phosphate	*110000*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Propanenitrile, 2-chloro-3-(phenylsulfon	*7200*	*T J N*	*ug/Kg*		*11.77*	*1424-50-6*	*08/10/12 08:51*	*08/13/12 06:58*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2-Fluorophenol (Surr)	*60*		*25 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 125*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Nitrobenzene-d5 (Surr)	*61*		*30 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Terphenyl-d14 (Surr)	*92*		*40 - 135*	*08/10/12 08:51*	*08/13/12 06:58*	*5*
Phenol-d6 (Surr)	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 06:58*	*5*

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/13/12 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*65 - 140*		*08/13/12 18:59*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	610		100	70	mg/Kg		08/15/12 09:03	08/17/12 12:11	10
C23-C40	170		100	70	mg/Kg		08/15/12 09:03	08/17/12 12:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*86*		*40 - 140*	*08/15/12 09:03*	*08/17/12 12:11*	*10*

Client Sample ID: SB-25-0.5

Lab Sample ID: 440-19898-5

Date Collected: 08/09/12 11:22

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Acenaphthene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Acenaphthylene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Aniline	ND		4200	850	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Anthracene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-0.5
Date Collected: 08/09/12 11:22
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-5
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		6600	6600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzoic acid	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Chrysene	ND		3300	750	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dibenzofuran	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Fluoranthene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Fluorene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Hexachloroethane	ND		3300	650	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Isophorone	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Naphthalene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Nitrobenzene	ND		3300	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Phenanthrene	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Phenol	ND		3300	900	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Pyrene	ND		3300	800	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*6800*	*T J N*	*ug/Kg*		*2.97*	*123-42-2*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Tributyl phosphate	*4200*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
4-(Trifluoromethyl)mandelic acid	*13000*	*T J N*	*ug/Kg*		*8.73*	*395-35-7*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Diphenyl phosphate	*3100*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 07:19*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
2-Fluorophenol (Surr)	*59*		*25 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 125*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Terphenyl-d14 (Surr)	*96*		*40 - 135*	*08/10/12 08:51*	*08/13/12 07:19*	*5*
Phenol-d6 (Surr)	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:19*	*5*

Client Sample ID: SB-25-0.5
Date Collected: 08/09/12 11:22
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-5
Matrix: Solid

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*65 - 140*		*08/13/12 19:25*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	150		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 12:31	1
C23-C40	250		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*95*		*40 - 140*	*08/15/12 09:03*	*08/17/12 12:31*	*1*

Client Sample ID: SB-26-0.5
Date Collected: 08/09/12 11:38
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-26-0.5
Date Collected: 08/09/12 11:38
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Phenol	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8000*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
4-(Trifluoromethyl)mandelic acid	*570*	*T J N*	*ug/Kg*		*8.72*	*395-35-7*	*08/10/12 08:51*	*08/13/12 07:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
2-Fluorophenol (Surr)	*71*		*25 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 125*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Nitrobenzene-d5 (Surr)	*67*		*30 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Terphenyl-d14 (Surr)	*104*		*40 - 135*	*08/10/12 08:51*	*08/13/12 07:40*	*1*
Phenol-d6 (Surr)	*75*		*35 - 120*	*08/10/12 08:51*	*08/13/12 07:40*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/13/12 19:52	1

Client Sample ID: SB-26-0.5 — **Lab Sample ID: 440-19898-6**
Date Collected: 08/09/12 11:38 — **Matrix: Solid**
Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*08/13/12 19:52*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 13:12	1
C23-C40	**54**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*40 - 140*	*08/15/12 09:03*	*08/17/12 13:12*	*1*

Client Sample ID: SB-26-3 — **Lab Sample ID: 440-19898-7**
Date Collected: 08/09/12 12:02 — **Matrix: Solid**
Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-26-3
Date Collected: 08/09/12 12:02
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Phenol	**150**	**J**	330	90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8700*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Tributyl phosphate	*1500*	*T J N*	*ug/Kg*		*7.86*	*126-73-8*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
4-(Trifluoromethyl)mandelic acid	*5200*	*T J N*	*ug/Kg*		*8.72*	*395-35-7*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Diphenyl phosphate	*1300*	*T J N*	*ug/Kg*		*9.52*	*838-85-7*	*08/10/12 08:51*	*08/13/12 04:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
2-Fluorophenol (Surr)	*77*		*25 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 125*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Nitrobenzene-d5 (Surr)	*72*		*30 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Terphenyl-d14 (Surr)	*81*		*40 - 135*	*08/10/12 08:51*	*08/13/12 04:10*	*1*
Phenol-d6 (Surr)	*80*		*35 - 120*	*08/10/12 08:51*	*08/13/12 04:10*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/13/12 20:19	1

Client Sample ID: SB-26-3

Lab Sample ID: 440-19898-7

Date Collected: 08/09/12 12:02

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*65 - 140*		*08/13/12 20:19*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	7.9		5.0	3.5	mg/Kg		08/15/12 09:03	08/17/12 13:53	1
C23-C40	5.2		5.0	3.5	mg/Kg		08/15/12 09:03	08/17/12 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*08/15/12 09:03*	*08/17/12 13:53*	*1*

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24

Matrix: Solid

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		33000	5000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,2-Dichlorobenzene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,2-Diphenylhydrazine(as Azobenzene)	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,3-Dichlorobenzene	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
1,4-Dichlorobenzene	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4,5-Trichlorophenol	ND		33000	13000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4,6-Trichlorophenol	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dichlorophenol	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dimethylphenol	ND		33000	10000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dinitrophenol	ND		66000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,4-Dinitrotoluene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2,6-Dinitrotoluene	ND		33000	9500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Chloronaphthalene	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Chlorophenol	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Methylnaphthalene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Methylphenol	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Nitroaniline	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
2-Nitrophenol	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3,3'-Dichlorobenzidine	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3-Nitroaniline	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4,6-Dinitro-2-methylphenol	ND		42000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Bromophenyl phenyl ether	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chloro-3-methylphenol	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chloroaniline	ND		33000	12000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Chlorophenyl phenyl ether	ND		33000	8500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
3-Methylphenol + 4-Methylphenol	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Nitroaniline	ND		83000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
4-Nitrophenol	ND		83000	14000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Acenaphthene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Acenaphthylene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Aniline	ND		42000	8500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Anthracene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzidine	ND		66000	66000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[a]anthracene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[a]pyrene	ND		33000	5500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-3
Date Collected: 08/09/12 12:24
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		33000	5000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[g,h,i]perylene	ND		33000	11000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzo[k]fluoranthene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzoic acid	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Benzyl alcohol	ND		33000	20000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethoxy)methane	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethyl)ether	ND		17000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Bis(2-ethylhexyl) phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Butyl benzyl phthalate	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Chrysene	ND		33000	7500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dibenz(a,h)anthracene	ND		42000	10000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dibenzofuran	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Diethyl phthalate	ND		33000	9500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Dimethyl phthalate	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Di-n-butyl phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Di-n-octyl phthalate	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Fluoranthene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Fluorene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorobenzene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorobutadiene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachlorocyclopentadiene	ND		83000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Hexachloroethane	ND		33000	6500	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Indeno[1,2,3-cd]pyrene	ND		33000	13000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Isophorone	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Naphthalene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Nitrobenzene	ND		33000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodi-n-propylamine	ND		25000	7000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodiphenylamine	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Pentachlorophenol	ND		83000	15000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Phenanthrene	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Phenol	ND		33000	9000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Pyrene	ND		33000	8000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
bis (2-chloroisopropyl) ether	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*220000*	*T J N*	*ug/Kg*		*7.88*	*126-73-8*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2,3,4,5-Tetrafluorobenzonitrile	*660000*	*T J N*	*ug/Kg*		*8.74*	*16582-93-7*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Diphenyl phosphate	*160000*	*T J N*	*ug/Kg*		*9.54*	*838-85-7*	*08/10/12 08:51*	*08/13/12 08:01*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2-Fluorophenol (Surr)	*50*		*25 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/10/12 08:51*	*08/13/12 08:01*	*50*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/10/12 08:51*	*08/13/12 08:01*	*50*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/15/12 22:06	1

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24

Matrix: Solid

Date Received: 08/09/12 18:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*39*	*X*	*65 - 140*		*08/15/12 22:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	1100		120	87	mg/Kg		08/15/12 09:03	08/17/12 09:07	5
C23-C40	1500		120	87	mg/Kg		08/15/12 09:03	08/17/12 09:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*116*		*40 - 140*	*08/15/12 09:03*	*08/17/12 09:07*	*5*

Client Sample ID: EB-080912

Lab Sample ID: 440-19898-9

Date Collected: 08/09/12 15:30

Matrix: Water

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,2-Dichlorobenzene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,3-Dichlorobenzene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
1,4-Dichlorobenzene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4,5-Trichlorophenol	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4,6-Trichlorophenol	ND		19	4.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dichlorophenol	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dimethylphenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dinitrophenol	ND		19	7.6	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,4-Dinitrotoluene	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
2,6-Dinitrotoluene	ND	*	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Chloronaphthalene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Chlorophenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Methylnaphthalene	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Methylphenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Nitroaniline	ND	*	19	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
2-Nitrophenol	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
3,3'-Dichlorobenzidine	ND	*	19	7.1	ug/L		08/16/12 15:58	08/20/12 04:28	1
3-Nitroaniline	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4,6-Dinitro-2-methylphenol	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Bromophenyl phenyl ether	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chloro-3-methylphenol	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chloroaniline	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Chlorophenyl phenyl ether	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
3-Methylphenol + 4-Methylphenol	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Nitroaniline	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
4-Nitrophenol	ND		19	5.2	ug/L		08/16/12 15:58	08/20/12 04:28	1
Acenaphthene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Acenaphthylene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Aniline	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Anthracene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzidine	ND		19	9.5	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[a]anthracene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[a]pyrene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[g,h,i]perylene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzo[k]fluoranthene	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzoic acid	ND		19	9.5	ug/L		08/16/12 15:58	08/20/12 04:28	1
Benzyl alcohol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-chloroethoxy)methane	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-chloroethyl)ether	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Bis(2-ethylhexyl) phthalate	ND	*	48	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Butyl benzyl phthalate	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Chrysene	ND	*	9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dibenz(a,h)anthracene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dibenzofuran	ND	*	9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Diethyl phthalate	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Dimethyl phthalate	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Di-n-butyl phthalate	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Di-n-octyl phthalate	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Fluoranthene	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Fluorene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorobenzene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorobutadiene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachlorocyclopentadiene	ND		19	4.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachloroethane	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Indeno[1,2,3-cd]pyrene	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Isophorone	ND		9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Naphthalene	ND	*	9.5	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Nitrobenzene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodi-n-propylamine	ND		9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodiphenylamine	ND	*	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pentachlorophenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Phenanthrene	ND	*	9.5	3.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Phenol	**3.3**	**J**	9.5	1.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pyrene	ND		9.5	3.8	ug/L		08/16/12 15:58	08/20/12 04:28	1
bis (2-chloroisopropyl) ether	ND		9.5	2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/16/12 15:58*	*08/20/12 04:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*50 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
2-Fluorophenol (Surr)	*51*		*30 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*40 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Terphenyl-d14 (Surr)	*63*		*50 - 125*	*08/16/12 15:58*	*08/20/12 04:28*	*1*
Phenol-d6 (Surr)	*56*		*35 - 120*	*08/16/12 15:58*	*08/20/12 04:28*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**27**	**J**	50	25	ug/L			08/15/12 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/15/12 00:55*	*1*

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.48	0.095	mg/L		08/15/12 13:16	08/15/12 23:57	1
C23-C40	0.11	J	0.48	0.095	mg/L		08/15/12 13:16	08/15/12 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*08/15/12 13:16*	*08/15/12 23:57*	*1*

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-27-0.5

Lab Sample ID: 440-19898-1

Date Collected: 08/09/12 09:58

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		2			44815	08/13/12 05:55	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.37 g	10 mL	44867	08/13/12 17:38	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 10:49	JR	TAL IRV

Client Sample ID: SB-27-3

Lab Sample ID: 440-19898-2

Date Collected: 08/09/12 10:23

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		4			44815	08/13/12 06:16	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.21 g	10 mL	44867	08/13/12 18:05	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 11:30	JR	TAL IRV

Client Sample ID: SB-28-0.5

Lab Sample ID: 440-19898-3

Date Collected: 08/09/12 10:48

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 06:37	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.08 g	10 mL	44867	08/13/12 18:32	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		20			46023	08/18/12 00:54	JR	TAL IRV

Client Sample ID: SB-28-3

Lab Sample ID: 440-19898-4

Date Collected: 08/09/12 11:02

Matrix: Solid

Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 06:58	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.06 g	10 mL	44867	08/13/12 18:59	RG	TAL IRV
Total/NA	Prep	CA LUFT			29.99 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 12:11	JR	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: SB-25-0.5

Lab Sample ID: 440-19898-5

Date Collected: 08/09/12 11:22
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		5			44815	08/13/12 07:19	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.38 g	10 mL	44867	08/13/12 19:25	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 12:31	JR	TAL IRV

Client Sample ID: SB-26-0.5

Lab Sample ID: 440-19898-6

Date Collected: 08/09/12 11:38
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	1 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		1			44815	08/13/12 07:40	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.24 g	10 mL	44867	08/13/12 19:52	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 13:12	JR	TAL IRV

Client Sample ID: SB-26-3

Lab Sample ID: 440-19898-7

Date Collected: 08/09/12 12:02
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	1 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		1			44815	08/13/12 04:10	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.35 g	10 mL	44867	08/13/12 20:19	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	1 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 13:53	JR	TAL IRV

Client Sample ID: SB-25-3

Lab Sample ID: 440-19898-8

Date Collected: 08/09/12 12:24
Matrix: Solid
Date Received: 08/09/12 18:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	44471	08/10/12 08:51	AG	TAL IRV
Total/NA	Analysis	8270C		50			44815	08/13/12 08:01	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.17 g	10 mL	45520	08/15/12 22:06	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		5			46023	08/17/12 09:07	JR	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Client Sample ID: EB-080912
Date Collected: 08/09/12 15:30
Date Received: 08/09/12 18:05

Lab Sample ID: 440-19898-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1050 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV
Total/NA	Analysis	8270C		1			46371	08/20/12 04:28	AI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	45258	08/15/12 00:55	PH	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	45524	08/15/12 13:16	AD	TAL IRV
Total/NA	Analysis	8015B		1			45426	08/15/12 23:57	RR	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-44471/1-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chlorophenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloroaniline	ND		330	120	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Nitroaniline	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Nitrophenol	ND		830	140	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Acenaphthene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Acenaphthylene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Aniline	ND		420	85	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Anthracene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzidine	ND		660	660	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzoic acid	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzyl alcohol	ND		330	200	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Chrysene	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dibenzofuran	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Diethyl phthalate	ND		330	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-44471/1-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Fluoranthene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Fluorene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Hexachloroethane	ND		330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Isophorone	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Naphthalene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Nitrobenzene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Pentachlorophenol	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Phenanthrene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Phenol	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Pyrene	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*7300*	*T J N*	*ug/Kg*		*3.00*	*123-42-2*	*08/10/12 08:51*	*08/13/12 00:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 125*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Nitrobenzene-d5 (Surr)	*62*		*30 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Terphenyl-d14 (Surr)	*75*		*40 - 135*	*08/10/12 08:51*	*08/13/12 00:39*	*1*
Phenol-d6 (Surr)	*64*		*35 - 120*	*08/10/12 08:51*	*08/13/12 00:39*	*1*

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2140		ug/Kg		64	40 - 120
1,2-Dichlorobenzene	3330	2130		ug/Kg		64	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2240		ug/Kg		67	50 - 125
1,3-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
1,4-Dichlorobenzene	3330	2070		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2460		ug/Kg		74	50 - 120
2,4,6-Trichlorophenol	3330	2400		ug/Kg		72	50 - 120
2,4-Dichlorophenol	3330	2450		ug/Kg		73	45 - 120
2,4-Dimethylphenol	3330	2050		ug/Kg		62	40 - 120
2,4-Dinitrophenol	3330	2230		ug/Kg		67	25 - 120
2,4-Dinitrotoluene	3330	2360		ug/Kg		71	55 - 125
2,6-Dinitrotoluene	3330	2400		ug/Kg		72	55 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3330	2210		ug/Kg		66	45 - 120
2-Chlorophenol	3330	2330		ug/Kg		70	40 - 120
2-Methylnaphthalene	3330	2280		ug/Kg		68	45 - 120
2-Methylphenol	3330	2390		ug/Kg		72	40 - 120
2-Nitroaniline	3330	2310		ug/Kg		69	50 - 125
2-Nitrophenol	3330	2390		ug/Kg		72	45 - 120
3,3'-Dichlorobenzidine	3330	2020		ug/Kg		61	20 - 130
3-Nitroaniline	3330	1900		ug/Kg		57	35 - 120
4,6-Dinitro-2-methylphenol	3330	2460		ug/Kg		74	40 - 120
4-Bromophenyl phenyl ether	3330	2340		ug/Kg		70	45 - 120
4-Chloro-3-methylphenol	3330	2400		ug/Kg		72	50 - 125
4-Chloroaniline	3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	3330	2200		ug/Kg		66	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2510		ug/Kg		75	50 - 120
4-Nitroaniline	3330	2020		ug/Kg		61	45 - 125
4-Nitrophenol	3330	2320		ug/Kg		70	40 - 125
Acenaphthene	3330	2170		ug/Kg		65	50 - 120
Acenaphthylene	3330	2440		ug/Kg		73	50 - 120
Aniline	3330	2020		ug/Kg		61	25 - 120
Anthracene	3330	2290		ug/Kg		69	55 - 120
Benzidine	3330	896		ug/Kg		27	20 - 120
Benzo[a]anthracene	3330	2300		ug/Kg		69	55 - 120
Benzo[a]pyrene	3330	2260		ug/Kg		68	50 - 125
Benzo[b]fluoranthene	3330	2260		ug/Kg		68	45 - 125
Benzo[g,h,i]perylene	3330	2590		ug/Kg		78	35 - 130
Benzo[k]fluoranthene	3330	2330		ug/Kg		70	45 - 125
Benzoic acid	3330	1890		ug/Kg		57	20 - 120
Benzyl alcohol	3330	2500		ug/Kg		75	35 - 120
Bis(2-chloroethoxy)methane	3330	2160		ug/Kg		65	45 - 120
Bis(2-chloroethyl)ether	3330	2100		ug/Kg		63	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2160		ug/Kg		65	50 - 130
Butyl benzyl phthalate	3330	2390		ug/Kg		72	50 - 125
Chrysene	3330	2250		ug/Kg		67	55 - 120
Dibenz(a,h)anthracene	3330	2350		ug/Kg		70	40 - 135
Dibenzofuran	3330	2260		ug/Kg		68	55 - 120
Diethyl phthalate	3330	2390		ug/Kg		72	50 - 125
Dimethyl phthalate	3330	2360		ug/Kg		71	50 - 125
Di-n-butyl phthalate	3330	2180		ug/Kg		66	50 - 125
Di-n-octyl phthalate	3330	2440		ug/Kg		73	50 - 135
Fluoranthene	3330	2190		ug/Kg		66	55 - 120
Fluorene	3330	2270		ug/Kg		68	55 - 120
Hexachlorobenzene	3330	2330		ug/Kg		70	50 - 120
Hexachlorobutadiene	3330	2130		ug/Kg		64	40 - 120
Hexachlorocyclopentadiene	3330	2360		ug/Kg		71	30 - 125
Hexachloroethane	3330	2090		ug/Kg		63	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2560		ug/Kg		77	30 - 135
Isophorone	3330	2280		ug/Kg		68	40 - 120
Naphthalene	3330	2170		ug/Kg		65	45 - 120
Nitrobenzene	3330	2160		ug/Kg		65	45 - 120
N-Nitrosodi-n-propylamine	3330	2530		ug/Kg		76	40 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2-A
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	3330	2390		ug/Kg		72	50 - 120
Pentachlorophenol	3330	2360		ug/Kg		71	40 - 120
Phenanthrene	3330	2250		ug/Kg		67	50 - 120
Phenol	3330	2450		ug/Kg		73	40 - 120
Pyrene	3330	2410		ug/Kg		72	45 - 125
bis (2-chloroisopropyl) ether	3330	2140		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 120*
2-Fluorophenol (Surr)	*71*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 125*
Nitrobenzene-d5 (Surr)	*70*		*30 - 120*
Terphenyl-d14 (Surr)	*76*		*40 - 135*
Phenol-d6 (Surr)	*73*		*35 - 120*

Lab Sample ID: 440-19898-7 MS
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3320	1940		ug/Kg		59	40 - 120
1,2-Dichlorobenzene	ND		3320	1940		ug/Kg		58	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3320	2200		ug/Kg		66	50 - 125
1,3-Dichlorobenzene	ND		3320	1880		ug/Kg		57	35 - 120
1,4-Dichlorobenzene	ND		3320	1920		ug/Kg		58	35 - 120
2,4,5-Trichlorophenol	ND		3320	2420		ug/Kg		73	45 - 120
2,4,6-Trichlorophenol	ND		3320	2340		ug/Kg		71	45 - 120
2,4-Dichlorophenol	ND		3320	2300		ug/Kg		69	45 - 120
2,4-Dimethylphenol	ND		3320	2140		ug/Kg		64	30 - 120
2,4-Dinitrophenol	ND		3320	2240		ug/Kg		67	20 - 120
2,4-Dinitrotoluene	ND		3320	2350		ug/Kg		71	50 - 125
2,6-Dinitrotoluene	ND		3320	2340		ug/Kg		71	50 - 125
2-Chloronaphthalene	ND		3320	2010		ug/Kg		61	45 - 120
2-Chlorophenol	ND		3320	2210		ug/Kg		67	40 - 120
2-Methylnaphthalene	ND		3320	2080		ug/Kg		63	40 - 120
2-Methylphenol	ND		3320	2350		ug/Kg		71	40 - 120
2-Nitroaniline	ND		3320	2320		ug/Kg		70	45 - 120
2-Nitrophenol	ND		3320	2230		ug/Kg		67	40 - 120
3,3'-Dichlorobenzidine	ND		3320	2040		ug/Kg		62	20 - 130
3-Nitroaniline	ND		3320	2030		ug/Kg		61	30 - 120
4,6-Dinitro-2-methylphenol	ND		3320	2440		ug/Kg		73	35 - 120
4-Bromophenyl phenyl ether	ND		3320	2310		ug/Kg		70	45 - 120
4-Chloro-3-methylphenol	ND		3320	2410		ug/Kg		73	50 - 125
4-Chloroaniline	ND		3320	1720		ug/Kg		52	20 - 120
4-Chlorophenyl phenyl ether	ND		3320	2110		ug/Kg		64	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3320	2450		ug/Kg		74	50 - 120
4-Nitroaniline	ND		3320	2120		ug/Kg		64	40 - 125
4-Nitrophenol	ND		3320	2380		ug/Kg		72	35 - 125
Acenaphthene	ND		3320	2050		ug/Kg		62	45 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MS
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		3320	2260		ug/Kg		68	45 - 120
Aniline	ND		3320	1930		ug/Kg		58	25 - 120
Anthracene	ND		3320	2320		ug/Kg		70	55 - 120
Benzidine	ND		3320	ND	F	ug/Kg		0	20 - 120
Benzo[a]anthracene	ND		3320	2310		ug/Kg		70	50 - 120
Benzo[a]pyrene	ND		3320	2350		ug/Kg		71	45 - 125
Benzo[b]fluoranthene	ND		3320	2460		ug/Kg		74	45 - 125
Benzo[g,h,i]perylene	ND		3320	3080		ug/Kg		93	25 - 130
Benzo[k]fluoranthene	ND		3320	2570		ug/Kg		77	45 - 125
Benzoic acid	ND		3320	2540		ug/Kg		77	20 - 120
Benzyl alcohol	ND		3320	2010		ug/Kg		61	20 - 120
Bis(2-chloroethoxy)methane	ND		3320	1970		ug/Kg		59	45 - 120
Bis(2-chloroethyl)ether	ND		3320	1960		ug/Kg		59	35 - 110
Bis(2-ethylhexyl) phthalate	ND		3320	2240		ug/Kg		67	45 - 130
Butyl benzyl phthalate	ND		3320	2520		ug/Kg		76	45 - 125
Chrysene	ND		3320	2260		ug/Kg		68	55 - 120
Dibenz(a,h)anthracene	ND		3320	2450		ug/Kg		74	25 - 135
Dibenzofuran	ND		3320	2140		ug/Kg		65	50 - 120
Diethyl phthalate	ND		3320	2410		ug/Kg		72	50 - 125
Dimethyl phthalate	ND		3320	2250		ug/Kg		68	45 - 125
Di-n-butyl phthalate	ND		3320	2190		ug/Kg		66	50 - 125
Di-n-octyl phthalate	ND		3320	2630		ug/Kg		79	50 - 135
Fluoranthene	ND		3320	2130		ug/Kg		64	45 - 120
Fluorene	ND		3320	2180		ug/Kg		66	50 - 120
Hexachlorobenzene	ND		3320	2270		ug/Kg		68	50 - 120
Hexachlorobutadiene	ND		3320	1930		ug/Kg		58	40 - 120
Hexachlorocyclopentadiene	ND		3320	1980		ug/Kg		60	20 - 125
Hexachloroethane	ND		3320	1920		ug/Kg		58	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3320	2810		ug/Kg		85	20 - 130
Isophorone	ND		3320	2090		ug/Kg		63	40 - 120
Naphthalene	ND		3320	1960		ug/Kg		59	40 - 120
Nitrobenzene	ND		3320	1970		ug/Kg		59	40 - 120
N-Nitrosodi-n-propylamine	ND		3320	2370		ug/Kg		71	35 - 120
N-Nitrosodiphenylamine	ND		3320	2390		ug/Kg		72	45 - 125
Pentachlorophenol	ND		3320	2330		ug/Kg		70	30 - 120
Phenanthrene	ND		3320	2260		ug/Kg		68	50 - 120
Phenol	150	J	3320	2430		ug/Kg		69	40 - 120
Pyrene	ND		3320	2460		ug/Kg		74	40 - 125
bis (2-chloroisopropyl) ether	ND		3320	1980		ug/Kg		60	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*35 - 120*
2-Fluorophenol (Surr)	*67*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 125*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*
Terphenyl-d14 (Surr)	*76*		*40 - 135*
Phenol-d6 (Surr)	*69*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MSD
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	2000		ug/Kg		60	40 - 120	3	25
1,2-Dichlorobenzene	ND		3330	2000		ug/Kg		60	40 - 120	3	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2140		ug/Kg		64	50 - 125	3	25
1,3-Dichlorobenzene	ND		3330	1900		ug/Kg		57	35 - 120	1	25
1,4-Dichlorobenzene	ND		3330	1930		ug/Kg		58	35 - 120	1	25
2,4,5-Trichlorophenol	ND		3330	2350		ug/Kg		71	45 - 120	3	20
2,4,6-Trichlorophenol	ND		3330	2380		ug/Kg		71	45 - 120	1	25
2,4-Dichlorophenol	ND		3330	2320		ug/Kg		70	45 - 120	1	25
2,4-Dimethylphenol	ND		3330	2150		ug/Kg		65	30 - 120	1	25
2,4-Dinitrophenol	ND		3330	2120		ug/Kg		64	20 - 120	5	25
2,4-Dinitrotoluene	ND		3330	2240		ug/Kg		67	50 - 125	5	25
2,6-Dinitrotoluene	ND		3330	2270		ug/Kg		68	50 - 125	3	20
2-Chloronaphthalene	ND		3330	2060		ug/Kg		62	45 - 120	2	20
2-Chlorophenol	ND		3330	2230		ug/Kg		67	40 - 120	1	20
2-Methylnaphthalene	ND		3330	2120		ug/Kg		64	40 - 120	2	20
2-Methylphenol	ND		3330	2340		ug/Kg		70	40 - 120	1	25
2-Nitroaniline	ND		3330	2280		ug/Kg		69	45 - 120	2	25
2-Nitrophenol	ND		3330	2280		ug/Kg		69	40 - 120	3	25
3,3'-Dichlorobenzidine	ND		3330	1880		ug/Kg		57	20 - 130	8	25
3-Nitroaniline	ND		3330	1810		ug/Kg		54	30 - 120	12	25
4,6-Dinitro-2-methylphenol	ND		3330	2390		ug/Kg		72	35 - 120	2	25
4-Bromophenyl phenyl ether	ND		3330	2300		ug/Kg		69	45 - 120	0	20
4-Chloro-3-methylphenol	ND		3330	2370		ug/Kg		71	50 - 125	2	25
4-Chloroaniline	ND		3330	1710		ug/Kg		51	20 - 120	0	30
4-Chlorophenyl phenyl ether	ND		3330	2090		ug/Kg		63	50 - 120	1	25
3-Methylphenol + 4-Methylphenol	ND		3330	2450		ug/Kg		73	50 - 120	0	25
4-Nitroaniline	ND		3330	2010		ug/Kg		60	40 - 125	5	30
4-Nitrophenol	ND		3330	2260		ug/Kg		68	35 - 125	5	30
Acenaphthene	ND		3330	2060		ug/Kg		62	45 - 120	1	25
Acenaphthylene	ND		3330	2290		ug/Kg		69	45 - 120	1	20
Aniline	ND		3330	1910		ug/Kg		57	25 - 120	1	30
Anthracene	ND		3330	2260		ug/Kg		68	55 - 120	3	25
Benzidine	ND		3330	ND	F	ug/Kg		0	20 - 120	NC	30
Benzo[a]anthracene	ND		3330	2250		ug/Kg		68	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2300		ug/Kg		69	45 - 125	2	25
Benzo[b]fluoranthene	ND		3330	2410		ug/Kg		72	45 - 125	2	30
Benzo[g,h,i]perylene	ND		3330	3160		ug/Kg		95	25 - 130	3	30
Benzo[k]fluoranthene	ND		3330	2590		ug/Kg		78	45 - 125	1	30
Benzoic acid	ND		3330	2480		ug/Kg		74	20 - 120	2	30
Benzyl alcohol	ND		3330	2290		ug/Kg		69	20 - 120	13	30
Bis(2-chloroethoxy)methane	ND		3330	2000		ug/Kg		60	45 - 120	1	25
Bis(2-chloroethyl)ether	ND		3330	2000		ug/Kg		60	35 - 110	2	25
Bis(2-ethylhexyl) phthalate	ND		3330	2220		ug/Kg		67	45 - 130	1	25
Butyl benzyl phthalate	ND		3330	2460		ug/Kg		74	45 - 125	3	25
Chrysene	ND		3330	2220		ug/Kg		67	55 - 120	2	25
Dibenz(a,h)anthracene	ND		3330	2480		ug/Kg		75	25 - 135	2	30
Dibenzofuran	ND		3330	2130		ug/Kg		64	50 - 120	1	25
Diethyl phthalate	ND		3330	2360		ug/Kg		71	50 - 125	2	25
Dimethyl phthalate	ND		3330	2230		ug/Kg		67	45 - 125	1	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-19898-7 MSD
Matrix: Solid
Analysis Batch: 44815

Client Sample ID: SB-26-3
Prep Type: Total/NA
Prep Batch: 44471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		3330	2210		ug/Kg		66	50 - 125	1	25
Di-n-octyl phthalate	ND		3330	2630		ug/Kg		79	50 - 135	0	25
Fluoranthene	ND		3330	2080		ug/Kg		62	45 - 120	2	25
Fluorene	ND		3330	2130		ug/Kg		64	50 - 120	2	25
Hexachlorobenzene	ND		3330	2260		ug/Kg		68	50 - 120	0	25
Hexachlorobutadiene	ND		3330	1960		ug/Kg		59	40 - 120	2	25
Hexachlorocyclopentadiene	ND		3330	2060		ug/Kg		62	20 - 125	4	30
Hexachloroethane	ND		3330	1940		ug/Kg		58	35 - 120	1	30
Indeno[1,2,3-cd]pyrene	ND		3330	2790		ug/Kg		84	20 - 130	1	30
Isophorone	ND		3330	2140		ug/Kg		64	40 - 120	2	25
Naphthalene	ND		3330	2010		ug/Kg		60	40 - 120	3	25
Nitrobenzene	ND		3330	2060		ug/Kg		62	40 - 120	4	25
N-Nitrosodi-n-propylamine	ND		3330	2420		ug/Kg		73	35 - 120	2	25
N-Nitrosodiphenylamine	ND		3330	2350		ug/Kg		71	45 - 125	2	25
Pentachlorophenol	ND		3330	2300		ug/Kg		69	30 - 120	1	25
Phenanthrene	ND		3330	2180		ug/Kg		65	50 - 120	4	25
Phenol	150	J	3330	2450		ug/Kg		69	40 - 120	1	25
Pyrene	ND		3330	2380		ug/Kg		72	40 - 125	3	30
bis (2-chloroisopropyl) ether	ND		3330	2060		ug/Kg		62	40 - 120	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 120*
2-Fluorophenol (Surr)	*66*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 125*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*
Terphenyl-d14 (Surr)	*75*		*40 - 135*
Phenol-d6 (Surr)	*70*		*35 - 120*

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,3-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,4-Dichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,5-Trichlorophenol	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,6-Trichlorophenol	ND		20	4.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dichlorophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dimethylphenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrophenol	ND		20	8.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chloronaphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chlorophenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylnaphthalene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		20	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Nitrophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Nitroaniline	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloro-3-methylphenol	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloroaniline	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chlorophenyl phenyl ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Methylphenol + 4-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitroaniline	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitrophenol	ND		20	5.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthylene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Aniline	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzidine	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]pyrene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[b]fluoranthene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[g,h,i]perylene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[k]fluoranthene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzoic acid	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzyl alcohol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethoxy)methane	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethyl)ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-ethylhexyl) phthalate	6.07	J	50	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Butyl benzyl phthalate	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Chrysene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenz(a,h)anthracene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenzofuran	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Diethyl phthalate	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dimethyl phthalate	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-butyl phthalate	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-octyl phthalate	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluoranthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1,2,3-cd]pyrene	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Isophorone	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Naphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenanthrene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenol	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
bis (2-chloroisopropyl) ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tritetracontane	*8.41*	*T J N*	*ug/L*		*10.52*	*7098-21-7*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*50 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2-Fluorophenol (Surr)	*49*		*30 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*40 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Terphenyl-d14 (Surr)	*71*		*50 - 125*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Phenol-d6 (Surr)	*58*		*35 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	46.0		ug/L		46	45 - 120
1,2-Dichlorobenzene	100	44.6		ug/L		45	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	100	61.3		ug/L		61	60 - 120
1,3-Dichlorobenzene	100	41.2		ug/L		41	35 - 120
1,4-Dichlorobenzene	100	42.1		ug/L		42	35 - 120
2,4,5-Trichlorophenol	100	57.2		ug/L		57	55 - 120
2,4,6-Trichlorophenol	100	58.3		ug/L		58	55 - 120
2,4-Dichlorophenol	100	57.6		ug/L		58	55 - 120
2,4-Dimethylphenol	100	52.9		ug/L		53	40 - 120
2,4-Dinitrophenol	100	63.5		ug/L		63	40 - 120
2,4-Dinitrotoluene	100	65.6		ug/L		66	65 - 120
2,6-Dinitrotoluene	100	61.3	*	ug/L		61	65 - 120
2-Chloronaphthalene	100	55.3	*	ug/L		55	60 - 120
2-Chlorophenol	100	53.9		ug/L		54	45 - 120
2-Methylnaphthalene	100	55.3		ug/L		55	55 - 120
2-Methylphenol	100	58.7		ug/L		59	50 - 120
2-Nitroaniline	100	62.2	*	ug/L		62	65 - 120
2-Nitrophenol	100	59.8		ug/L		60	50 - 120
3,3'-Dichlorobenzidine	100	42.7	*	ug/L		43	45 - 135
3-Nitroaniline	100	60.6		ug/L		61	60 - 120
4,6-Dinitro-2-methylphenol	100	63.2		ug/L		63	45 - 120
4-Bromophenyl phenyl ether	100	59.0	*	ug/L		59	60 - 120
4-Chloro-3-methylphenol	100	60.4		ug/L		60	60 - 120
4-Chloroaniline	100	63.3		ug/L		63	55 - 120
4-Chlorophenyl phenyl ether	100	55.7	*	ug/L		56	65 - 120
3-Methylphenol + 4-Methylphenol	100	61.8		ug/L		62	50 - 120
4-Nitroaniline	100	61.5		ug/L		61	55 - 125
4-Nitrophenol	100	59.8		ug/L		60	45 - 120
Acenaphthene	100	57.2	*	ug/L		57	60 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	100	60.6		ug/L		61	60 - 120
Aniline	100	64.9		ug/L		65	35 - 120
Anthracene	100	60.5	*	ug/L		60	65 - 120
Benzidine	100	62.6		ug/L		63	30 - 160
Benzo[a]anthracene	100	60.5	*	ug/L		60	65 - 120
Benzo[a]pyrene	100	60.4		ug/L		60	55 - 130
Benzo[b]fluoranthene	100	61.9		ug/L		62	55 - 125
Benzo[g,h,i]perylene	100	74.7		ug/L		75	45 - 135
Benzo[k]fluoranthene	100	62.3		ug/L		62	50 - 125
Benzoic acid	100	57.9		ug/L		58	25 - 120
Benzyl alcohol	100	66.9		ug/L		67	50 - 120
Bis(2-chloroethoxy)methane	100	59.4		ug/L		59	55 - 120
Bis(2-chloroethyl)ether	100	57.7		ug/L		58	50 - 120
Bis(2-ethylhexyl) phthalate	100	56.5	*	ug/L		56	65 - 130
Butyl benzyl phthalate	100	62.7		ug/L		63	55 - 130
Chrysene	100	61.0	*	ug/L		61	65 - 120
Dibenz(a,h)anthracene	100	58.2		ug/L		58	50 - 135
Dibenzofuran	100	58.4	*	ug/L		58	65 - 120
Diethyl phthalate	100	63.5		ug/L		63	55 - 120
Dimethyl phthalate	100	60.4		ug/L		60	30 - 120
Di-n-butyl phthalate	100	59.7		ug/L		60	60 - 125
Di-n-octyl phthalate	100	66.6		ug/L		67	65 - 135
Fluoranthene	100	59.9		ug/L		60	60 - 120
Fluorene	100	58.4	*	ug/L		58	65 - 120
Hexachlorobenzene	100	58.6	*	ug/L		59	60 - 120
Hexachlorobutadiene	100	40.4		ug/L		40	40 - 120
Hexachlorocyclopentadiene	100	42.9		ug/L		43	25 - 120
Hexachloroethane	100	38.5		ug/L		39	35 - 120
Indeno[1,2,3-cd]pyrene	100	68.4		ug/L		68	45 - 135
Isophorone	100	63.5		ug/L		64	50 - 120
Naphthalene	100	51.9	*	ug/L		52	55 - 120
Nitrobenzene	100	59.4		ug/L		59	55 - 120
N-Nitrosodi-n-propylamine	100	70.4		ug/L		70	45 - 120
N-Nitrosodiphenylamine	100	57.4	*	ug/L		57	60 - 120
Pentachlorophenol	100	61.1		ug/L		61	24 - 121
Phenanthrene	100	59.9	*	ug/L		60	65 - 120
Phenol	100	51.6		ug/L		52	40 - 120
Pyrene	100	59.2		ug/L		59	55 - 125
bis (2-chloroisopropyl) ether	100	58.9		ug/L		59	45 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*62*		*45 - 120*
Terphenyl-d14 (Surr)	*61*		*50 - 125*
Phenol-d6 (Surr)	*51*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	48.1		ug/L		48	45 - 120	5	20
1,2-Dichlorobenzene	100	44.0		ug/L		44	40 - 120	1	25
1,2-Diphenylhydrazine(as Azobenzene)	100	64.6		ug/L		65	60 - 120	5	25
1,3-Dichlorobenzene	100	41.1		ug/L		41	35 - 120	0	25
1,4-Dichlorobenzene	100	42.6		ug/L		43	35 - 120	1	25
2,4,5-Trichlorophenol	100	63.3		ug/L		63	55 - 120	10	30
2,4,6-Trichlorophenol	100	63.8		ug/L		64	55 - 120	9	30
2,4-Dichlorophenol	100	59.1		ug/L		59	55 - 120	2	20
2,4-Dimethylphenol	100	52.6		ug/L		53	40 - 120	0	25
2,4-Dinitrophenol	100	63.2		ug/L		63	40 - 120	1	25
2,4-Dinitrotoluene	100	68.4		ug/L		68	65 - 120	4	20
2,6-Dinitrotoluene	100	66.8		ug/L		67	65 - 120	9	20
2-Chloronaphthalene	100	59.2	*	ug/L		59	60 - 120	7	20
2-Chlorophenol	100	52.1		ug/L		52	45 - 120	4	25
2-Methylnaphthalene	100	57.3		ug/L		57	55 - 120	4	20
2-Methylphenol	100	56.7		ug/L		57	50 - 120	4	20
2-Nitroaniline	100	67.3		ug/L		67	65 - 120	8	20
2-Nitrophenol	100	62.8		ug/L		63	50 - 120	5	25
3,3'-Dichlorobenzidine	100	54.1		ug/L		54	45 - 135	24	25
3-Nitroaniline	100	64.5		ug/L		65	60 - 120	6	25
4,6-Dinitro-2-methylphenol	100	65.6		ug/L		66	45 - 120	4	25
4-Bromophenyl phenyl ether	100	62.7		ug/L		63	60 - 120	6	25
4-Chloro-3-methylphenol	100	63.0		ug/L		63	60 - 120	4	25
4-Chloroaniline	100	63.7		ug/L		64	55 - 120	1	25
4-Chlorophenyl phenyl ether	100	57.0	*	ug/L		57	65 - 120	2	20
3-Methylphenol + 4-Methylphenol	100	59.9		ug/L		60	50 - 120	3	20
4-Nitroaniline	100	66.9		ug/L		67	55 - 125	8	20
4-Nitrophenol	100	68.5		ug/L		68	45 - 120	14	30
Acenaphthene	100	63.0		ug/L		63	60 - 120	10	20
Acenaphthylene	100	65.8		ug/L		66	60 - 120	8	20
Aniline	100	64.3		ug/L		64	35 - 120	1	30
Anthracene	100	64.8		ug/L		65	65 - 120	7	20
Benzidine	100	63.3		ug/L		63	30 - 160	1	35
Benzo[a]anthracene	100	64.6		ug/L		65	65 - 120	7	20
Benzo[a]pyrene	100	65.8		ug/L		66	55 - 130	9	25
Benzo[b]fluoranthene	100	65.4		ug/L		65	55 - 125	5	25
Benzo[g,h,i]perylene	100	81.3		ug/L		81	45 - 135	8	25
Benzo[k]fluoranthene	100	67.8		ug/L		68	50 - 125	8	20
Benzoic acid	100	63.5		ug/L		63	25 - 120	9	30
Benzyl alcohol	100	65.4		ug/L		65	50 - 120	2	20
Bis(2-chloroethoxy)methane	100	62.6		ug/L		63	55 - 120	5	20
Bis(2-chloroethyl)ether	100	57.8		ug/L		58	50 - 120	0	20
Bis(2-ethylhexyl) phthalate	100	61.9	*	ug/L		62	65 - 130	9	20
Butyl benzyl phthalate	100	68.1		ug/L		68	55 - 130	8	20
Chrysene	100	65.5		ug/L		66	65 - 120	7	20
Dibenz(a,h)anthracene	100	62.0		ug/L		62	50 - 135	6	25
Dibenzofuran	100	63.5	*	ug/L		63	65 - 120	8	20
Diethyl phthalate	100	66.6		ug/L		67	55 - 120	5	30
Dimethyl phthalate	100	64.2		ug/L		64	30 - 120	6	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate			100	63.6		ug/L		64	60 - 125	6	20
Di-n-octyl phthalate			100	75.4		ug/L		75	65 - 135	12	20
Fluoranthene			100	64.5		ug/L		65	60 - 120	7	20
Fluorene			100	61.3	*	ug/L		61	65 - 120	5	20
Hexachlorobenzene			100	62.0		ug/L		62	60 - 120	6	20
Hexachlorobutadiene			100	42.2		ug/L		42	40 - 120	4	25
Hexachlorocyclopentadiene			100	44.8		ug/L		45	25 - 120	4	30
Hexachloroethane			100	37.8		ug/L		38	35 - 120	2	25
Indeno[1,2,3-cd]pyrene			100	74.0		ug/L		74	45 - 135	8	25
Isophorone			100	67.2		ug/L		67	50 - 120	6	20
Naphthalene			100	54.6		ug/L		55	55 - 120	5	20
Nitrobenzene			100	61.5		ug/L		61	55 - 120	4	25
N-Nitrosodi-n-propylamine			100	68.9		ug/L		69	45 - 120	2	20
N-Nitrosodiphenylamine			100	61.5		ug/L		61	60 - 120	7	20
Pentachlorophenol			100	64.8		ug/L		65	24 - 121	6	25
Phenanthrene			100	63.3	*	ug/L		63	65 - 120	6	20
Phenol			100	49.4		ug/L		49	40 - 120	4	25
Pyrene			100	63.2		ug/L		63	55 - 125	7	25
bis (2-chloroisopropyl) ether			100	58.3		ug/L		58	45 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*64*		*45 - 120*
Terphenyl-d14 (Surr)	*63*		*50 - 125*
Phenol-d6 (Surr)	*50*		*35 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-44867/4
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/13/12 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*		*08/13/12 10:20*	*1*

Lab Sample ID: LCS 440-44867/2
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1410		ug/Kg		88	70 - 135		

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-44867/2
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		65 - 140

Lab Sample ID: LCSD 440-44867/3
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1430		ug/Kg		89	70 - 135	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		65 - 140

Lab Sample ID: 440-19872-A-3 MS
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1450	1070		ug/Kg		74	60 - 140		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		65 - 140

Lab Sample ID: 440-19872-A-3 MSD
Matrix: Solid
Analysis Batch: 44867

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1430	1010		ug/Kg		71	60 - 140	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		65 - 140

Lab Sample ID: MB 440-45258/3
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/14/12 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		65 - 140		08/14/12 15:17	1

Lab Sample ID: LCS 440-45258/2
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	667		ug/L		83	80 - 120		

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-45258/2
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		65 - 140

Lab Sample ID: 440-19892-A-3 MS
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	42	J	800	673		ug/L		79	65 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		65 - 140

Lab Sample ID: 440-19892-A-3 MSD
Matrix: Water
Analysis Batch: 45258

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	42	J	800	654		ug/L		77	65 - 140	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		65 - 140

Lab Sample ID: MB 440-45520/4
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/15/12 15:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		65 - 140		08/15/12 15:06	1

Lab Sample ID: LCS 440-45520/2
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1480		ug/Kg		92	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		65 - 140

Lab Sample ID: LCSD 440-45520/3
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1520		ug/Kg		95	70 - 135	3	20

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-45520/3
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		65 - 140

Lab Sample ID: 440-20036-A-1 MS
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1470	1160		ug/Kg		79	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		65 - 140

Lab Sample ID: 440-20036-A-1 MSD
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		65 - 140

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45524/1-A
Matrix: Water
Analysis Batch: 45425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.50	0.10	mg/L		08/15/12 13:16	08/16/12 08:54	1
C23-C40	ND		0.50	0.10	mg/L		08/15/12 13:16	08/16/12 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	81		45 - 120	08/15/12 13:16	08/16/12 08:54	1

Lab Sample ID: LCS 440-45524/2-A
Matrix: Water
Analysis Batch: 45426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	1.00	0.801		mg/L		80	40 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane	76		45 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 440-45524/3-A
Matrix: Water
Analysis Batch: 45426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45524

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			1.00	0.681		mg/L		68	40 - 115	16	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*64*		*45 - 120*

Lab Sample ID: MB 440-46121/1-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/17/12 12:04	08/18/12 01:54	1
C23-C40	ND		5.0	3.5	mg/Kg		08/17/12 12:04	08/18/12 01:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*77*		*40 - 140*	*08/17/12 12:04*	*08/18/12 01:54*	*1*

Lab Sample ID: LCS 440-46121/2-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	24.2		mg/Kg		73	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*72*		*40 - 140*

Lab Sample ID: LCS 440-46121/3-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	22.7		mg/Kg		68	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*68*		*40 - 140*

Lab Sample ID: LCS 440-46121/4-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28			33.3	25.2		mg/Kg		75	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*74*		*40 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46121/5-A
Matrix: Solid
Analysis Batch: 46023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	24.5		mg/Kg		74	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*73*		*40 - 140*

GC/MS Semi VOA

Prep Batch: 44471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	3546	
440-19898-2	SB-27-3	Total/NA	Solid	3546	
440-19898-3	SB-28-0.5	Total/NA	Solid	3546	
440-19898-4	SB-28-3	Total/NA	Solid	3546	
440-19898-5	SB-25-0.5	Total/NA	Solid	3546	
440-19898-6	SB-26-0.5	Total/NA	Solid	3546	
440-19898-7	SB-26-3	Total/NA	Solid	3546	
440-19898-7 MS	SB-26-3	Total/NA	Solid	3546	
440-19898-7 MSD	SB-26-3	Total/NA	Solid	3546	
440-19898-8	SB-25-3	Total/NA	Solid	3546	
LCS 440-44471/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-44471/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 44815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	8270C	44471
440-19898-2	SB-27-3	Total/NA	Solid	8270C	44471
440-19898-3	SB-28-0.5	Total/NA	Solid	8270C	44471
440-19898-4	SB-28-3	Total/NA	Solid	8270C	44471
440-19898-5	SB-25-0.5	Total/NA	Solid	8270C	44471
440-19898-6	SB-26-0.5	Total/NA	Solid	8270C	44471
440-19898-7	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-7 MS	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-7 MSD	SB-26-3	Total/NA	Solid	8270C	44471
440-19898-8	SB-25-3	Total/NA	Solid	8270C	44471
LCS 440-44471/2-A	Lab Control Sample	Total/NA	Solid	8270C	44471
MB 440-44471/1-A	Method Blank	Total/NA	Solid	8270C	44471

Prep Batch: 45901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	3520C	
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-45901/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 46371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	8270C	45901
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	8270C	45901
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	45901
MB 440-45901/1-A	Method Blank	Total/NA	Water	8270C	45901

GC VOA

Analysis Batch: 44867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19872-A-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-19872-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
440-19898-1	SB-27-0.5	Total/NA	Solid	8015B	
440-19898-2	SB-27-3	Total/NA	Solid	8015B	
440-19898-3	SB-28-0.5	Total/NA	Solid	8015B	
440-19898-4	SB-28-3	Total/NA	Solid	8015B	

GC VOA (Continued)

Analysis Batch: 44867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-5	SB-25-0.5	Total/NA	Solid	8015B	
440-19898-6	SB-26-0.5	Total/NA	Solid	8015B	
440-19898-7	SB-26-3	Total/NA	Solid	8015B	
LCS 440-44867/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-44867/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-44867/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 45258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19892-A-3 MS	Matrix Spike	Total/NA	Water	8015B	
440-19892-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-19898-9	EB-080912	Total/NA	Water	8015B	
LCS 440-45258/2	Lab Control Sample	Total/NA	Water	8015B	
MB 440-45258/3	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 45520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-8	SB-25-3	Total/NA	Solid	8015B	
440-20036-A-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-20036-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-45520/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45520/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45520/4	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	CA LUFT	
440-19898-2	SB-27-3	Total/NA	Solid	CA LUFT	
440-19898-3	SB-28-0.5	Total/NA	Solid	CA LUFT	
440-19898-4	SB-28-3	Total/NA	Solid	CA LUFT	
440-19898-5	SB-25-0.5	Total/NA	Solid	CA LUFT	
440-19898-6	SB-26-0.5	Total/NA	Solid	CA LUFT	
440-19898-7	SB-26-3	Total/NA	Solid	CA LUFT	
440-19898-8	SB-25-3	Total/NA	Solid	CA LUFT	

Analysis Batch: 45425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-45524/1-A	Method Blank	Total/NA	Water	8015B	45524

Analysis Batch: 45426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	8015B	45524
LCS 440-45524/2-A	Lab Control Sample	Total/NA	Water	8015B	45524
LCSD 440-45524/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	45524

Prep Batch: 45524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-9	EB-080912	Total/NA	Water	3510C	
LCS 440-45524/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-45524/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 45524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-45524/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 46023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-19898-1	SB-27-0.5	Total/NA	Solid	8015B	45421
440-19898-2	SB-27-3	Total/NA	Solid	8015B	45421
440-19898-3	SB-28-0.5	Total/NA	Solid	8015B	45421
440-19898-4	SB-28-3	Total/NA	Solid	8015B	45421
440-19898-5	SB-25-0.5	Total/NA	Solid	8015B	45421
440-19898-6	SB-26-0.5	Total/NA	Solid	8015B	45421
440-19898-7	SB-26-3	Total/NA	Solid	8015B	45421
440-19898-8	SB-25-3	Total/NA	Solid	8015B	45421
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	8015B	46121
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	8015B	46121
MB 440-46121/1-A	Method Blank	Total/NA	Solid	8015B	46121

Prep Batch: 46121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-46121/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-19898-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

1140-19898

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/9/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	1 of 1 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler:
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)	Sample Specific Notes:
SB-27-0.5	8/9/12	0958	REG	SOIL	1		X	X	X	X	X		
SB-27-3		1023	REG	SOIL	1		X	X	X	X	X		
SB-28-0.5		1049	REG	SOIL	1		X	X	X	X	X		
SB-28-3		1102	REG	SOIL	1		X	X	X	X	X		
SB-25-0.5		1122	REG	SOIL	1		X	X	X	X	X		
SB-26-0.5		1138	REG	SOIL	1		X	X	X	X	X		
SB-26-3		1207	REG	SOIL	1		X	X	X	X	X		
SB-25-3		1224	REG	SOIL	1		X	X	X	X	X		
EB-080912	↓	1530	QCEB	AQ	7		X	X	X	X		X	

8/9/12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/9/12 1539	Vincent Padilla	TA-I	8/9/12 1539
Relinquished by: Vincent Padilla	Company: TA-I	8/9/12 1805	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: TAT	Date/Time: 08/10/12 8:05

1.4C

8/23/2012

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 440-19898-1

Login Number: 19898

List Source: TestAmerica Irvine

List Number: 1

Creator: Perez, Angel

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Joan Dolmat
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-20036-1
Client Project/Site: GE duarte
Revision: 1

For:
MWH Americas Inc
618 Michillinda Avenue, Suite 200
Arcadia, California 91007

Attn: Mr. Michael Flaugher

Authorized for release by:
8/30/2012 7:17:26 AM

Jonathan Bousselaire
Project Manager I
jonathan.bousselaire@testamericainc.com

Table of Contents

Sample Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-20036-1	SB-21-0.5	Solid	08/09/12 16:02	08/10/12 17:10
440-20036-2	SB-21-3	Solid	08/09/12 16:28	08/10/12 17:10
440-20036-6	SB-22-0.5	Solid	08/10/12 09:44	08/10/12 17:10
440-20036-7	SB-22-3	Solid	08/10/12 11:22	08/10/12 17:10
440-20036-8	SB-20-0.5	Solid	08/10/12 13:10	08/10/12 17:10
440-20036-10	SB-20-3	Solid	08/10/12 15:02	08/10/12 17:10
440-20036-11	SB-20-5	Solid	08/10/12 15:20	08/10/12 17:10
440-20036-12	Dup-1	Solid	08/10/12 00:01	08/10/12 17:10
440-20036-13	Dup-2	Solid	08/10/12 00:01	08/10/12 17:10
440-20036-14	EB-081012	Water	08/10/12 15:28	08/10/12 17:10

Job ID: 440-20036-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-20036-1

Comments
Report was revised to include sample SB-20-5 (440-20036-11). This sample was initially on hold and was taken off hold for analysis by 8270 and 8015.

Receipt
The samples were received on 8/10/2012 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7º C.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) for 4-chlorophenylphenylether associated with batch 45705 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The grand mean exception, as outlined in EPA Method 8000B, was applied to the continuing calibration verification (CCV) standard associated with batch 45705. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D.

Method(s) 8270C: The continuing calibration verification (CCV) for hexachlorophene and kepone associated with batch 45705 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45901. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 45901 exceeded control limits for several analytes. Low recoveries are possibly due to less than optimal extraction conditions such as fluctuations in heating mantle temp, condenser water temp, ambient light, angle of apparatus, spike solvent, etc. Holdtimes for many samples have expired.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: Dup-2 (440-20036-13), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1).

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: SB-20-5 (440-20036-11).

Method(s) 8015B: Hydrocarbon result partly due to individual peak(s) in quantitation range. SB-20-5 (440-20036-11).

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 47570 were outside control limits for 2,4-dinitrophenol and benzoic acid: (440-21307-1 MS), (440-21307-1 MSD). Matrix interference is suspected.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SB-20-5 (440-20036-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Job ID: 440-20036-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

HPLC
Method(s) 7199: The sample matrix has been determined to be reductive in nature.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: Dup-2 (440-20036-13), SB-20-3 (440-20036-10). Re-extraction and/or re-analysis was performed with concurring results. The re-analysis has been reported.

Method(s) 8015B: Surrogate recovery for the following samples was outside control limits: SB-20-5 (440-20036-11). Re-analysis was performed with concurring results. This re-analysis has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 45525. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Due to the level of dilution required for the following samples, surrogate recoveries do not provide useful information: Dup-1 (440-20036-12), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1).

Method(s) 8015B: Hydrocarbon result partly due to individual peaks in quantitation range.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: Dup-2 (440-20036-13).

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 46433 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 46306 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (440-20036-13 MS), (440-20036-13 MSD), Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Job ID: 440-20036-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-20-5 (440-20036-11). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: SB-20-5 (440-20036-11).

Method(s) 8015B: Hydrocarbon result partly due to individual peak(s) in quantitation range. SB-20-5 (440-20036-11).

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 46306 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
Method(s) SM 2580B: The following sample(s) was analyzed outside of analytical holding time due to analysis being added after hold time expired: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-20-5 (440-20036-11), SB-21-0.5 (440-20036-1), SB-21-10 (440-20036-4), SB-21-3 (440-20036-2), SB-21-5 (440-20036-3), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7), SB-22-5 (440-20036-9), SB-26-5 (440-20036-5).

Method(s) 9045C: The following sample(s) was analyzed outside of analytical holding time due to the analysis being added after hold time expired: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-20-5 (440-20036-11), SB-21-0.5 (440-20036-1), SB-21-10 (440-20036-4), SB-21-3 (440-20036-2), SB-21-5 (440-20036-3), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7), SB-22-5 (440-20036-9), SB-26-5 (440-20036-5).

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3546: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), Dup-2 (440-20036-13), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-1 (440-20036-12), SB-20-0.5 (440-20036-8), SB-20-3 (440-20036-10), SB-21-0.5 (440-20036-1), SB-21-3 (440-20036-2), SB-22-0.5 (440-20036-6), SB-22-3 (440-20036-7). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: (440-20036-13 MS), (440-20036-13 MSD), Dup-2 (440-20036-13). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-20-5 (440-20036-11). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5
Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		16000	2500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,2-Dichlorobenzene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,3-Dichlorobenzene	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
1,4-Dichlorobenzene	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4,5-Trichlorophenol	ND		16000	6500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4,6-Trichlorophenol	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dichlorophenol	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dimethylphenol	ND		16000	5000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dinitrophenol	ND		33000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,4-Dinitrotoluene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2,6-Dinitrotoluene	ND		16000	4700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Chloronaphthalene	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Chlorophenol	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Methylnaphthalene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Methylphenol	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Nitroaniline	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
2-Nitrophenol	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3,3'-Dichlorobenzidine	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3-Nitroaniline	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4,6-Dinitro-2-methylphenol	ND		21000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Bromophenyl phenyl ether	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chloro-3-methylphenol	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chloroaniline	ND		16000	6000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Chlorophenyl phenyl ether	ND		16000	4200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
3-Methylphenol + 4-Methylphenol	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Nitroaniline	ND		41000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
4-Nitrophenol	ND		41000	7000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Acenaphthene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Acenaphthylene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Aniline	ND		21000	4200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Anthracene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzidine	ND		33000	33000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[a]anthracene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[a]pyrene	ND		16000	2700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[b]fluoranthene	ND		16000	2500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[g,h,i]perylene	ND		16000	5500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzo[k]fluoranthene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzoic acid	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Benzyl alcohol	ND		16000	10000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-chloroethoxy)methane	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-chloroethyl)ether	ND		8500	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Bis(2-ethylhexyl) phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Butyl benzyl phthalate	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Chrysene	ND		16000	3700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dibenz(a,h)anthracene	ND		21000	5000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dibenzofuran	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Diethyl phthalate	ND		16000	4700	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Dimethyl phthalate	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Di-n-butyl phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5
Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Fluoranthene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Fluorene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorobenzene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorobutadiene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachlorocyclopentadiene	ND		41000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Hexachloroethane	ND		16000	3200	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Indeno[1,2,3-cd]pyrene	ND		16000	6500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Isophorone	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Naphthalene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Nitrobenzene	ND		16000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
N-Nitrosodi-n-propylamine	ND		12000	3500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
N-Nitrosodiphenylamine	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Pentachlorophenol	ND		41000	7500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Phenanthrene	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Phenol	**6900**	**J**	16000	4500	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
Pyrene	ND		16000	4000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25
bis (2-chloroisopropyl) ether	ND		16000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:07	25

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*230000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Unknown	*740000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 17:07*	*25*
Diphenyl phosphate	*120000*	*T J N*	*ug/Kg*		*9.32*	*838-85-7*	*08/13/12 09:24*	*08/16/12 17:07*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
2-Fluorophenol (Surr)	*48*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
2,4,6-Tribromophenol (Surr)	*109*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Terphenyl-d14 (Surr)	*183*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 17:07*	*25*
Phenol-d6 (Surr)	*57*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:07*	*25*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*65 - 140*		*08/15/12 15:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**900**		100	70	mg/Kg		08/15/12 09:03	08/17/12 22:52	10
C23-C40	**630**		100	70	mg/Kg		08/15/12 09:03	08/17/12 22:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*85*		*40 - 140*	*08/15/12 09:03*	*08/17/12 22:52*	*10*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 11:38	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-1
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.4	J	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Arsenic	3.7		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Barium	86		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Cadmium	0.48	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Chromium	11		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Cobalt	6.1		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Copper	23		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Lead	9.6		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:53	5
Nickel	9.6		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Vanadium	24		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Zinc	69		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:16	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:16	5

Client Sample ID: SB-21-3

Date Collected: 08/09/12 16:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		6600	990	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,2-Dichlorobenzene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,2-Diphenylhydrazine(as Azobenzene)	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,3-Dichlorobenzene	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
1,4-Dichlorobenzene	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4,5-Trichlorophenol	ND		6600	2600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4,6-Trichlorophenol	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dichlorophenol	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dimethylphenol	ND		6600	2000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dinitrophenol	ND		13000	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,4-Dinitrotoluene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2,6-Dinitrotoluene	ND		6600	1900	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Chloronaphthalene	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Chlorophenol	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Methylnaphthalene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Methylphenol	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Nitroaniline	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
2-Nitrophenol	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3,3'-Dichlorobenzidine	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3-Nitroaniline	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4,6-Dinitro-2-methylphenol	ND		8400	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Bromophenyl phenyl ether	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chloro-3-methylphenol	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chloroaniline	ND		6600	2400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Chlorophenyl phenyl ether	ND		6600	1700	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
3-Methylphenol + 4-Methylphenol	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
4-Nitroaniline	ND		17000	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-21-3
Date Collected: 08/09/12 16:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-2
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		17000	2800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Acenaphthene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Acenaphthylene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Aniline	ND		8400	1700	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Anthracene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzidine	ND		13000	13000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[a]anthracene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[a]pyrene	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[b]fluoranthene	ND		6600	990	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[g,h,i]perylene	ND		6600	2200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzo[k]fluoranthene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzoic acid	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Benzyl alcohol	ND		6600	4000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-chloroethoxy)methane	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-chloroethyl)ether	ND		3400	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Bis(2-ethylhexyl) phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Butyl benzyl phthalate	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Chrysene	ND		6600	1500	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dibenz(a,h)anthracene	ND		8400	2000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dibenzofuran	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Diethyl phthalate	ND		6600	1900	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dimethyl phthalate	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Di-n-butyl phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Di-n-octyl phthalate	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Fluoranthene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Fluorene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobenzene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobutadiene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachlorocyclopentadiene	ND		17000	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Hexachloroethane	ND		6600	1300	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Indeno[1,2,3-cd]pyrene	ND		6600	2600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Isophorone	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Naphthalene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Nitrobenzene	ND		6600	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodi-n-propylamine	ND		5000	1400	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodiphenylamine	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Pentachlorophenol	ND		17000	3000	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Phenanthrene	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Phenol	ND		6600	1800	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Pyrene	ND		6600	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
bis (2-chloroisopropyl) ether	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*54000*	*T J N*	*ug/Kg*		*7.65*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Unknown	*170000*	*T J*	*ug/Kg*		*8.52*		*08/13/12 09:24*	*08/16/12 17:28*	*10*
Diphenyl phosphate	*29000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Docosane	*5500*	*T J N*	*ug/Kg*		*11.40*	*629-97-0*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
2-Fluorophenol (Surr)	*57*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Client Sample ID: SB-21-3

Lab Sample ID: 440-20036-2

Date Collected: 08/09/12 16:28

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Nitrobenzene-d5 (Surr)	*52*		*30 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Terphenyl-d14 (Surr)	*105*		*40 - 135*	*08/13/12 09:24*	*08/16/12 17:28*	*10*
Phenol-d6 (Surr)	*57*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:28*	*10*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		360	140	ug/Kg			08/15/12 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*		*08/15/12 17:09*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**210**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:12	1
C23-C40	**250**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*71*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:12*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 11:51	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**	**J**	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Arsenic	**3.6**		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Barium	**63**		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cadmium	**0.29**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Chromium	**9.2**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cobalt	**5.4**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Copper	**16**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Lead	**6.5**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:59	5
Nickel	**8.0**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Vanadium	**19**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Zinc	**41**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:22	5

Client Sample ID: SB-22-0.5

Lab Sample ID: 440-20036-6

Date Collected: 08/10/12 09:44

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		660	100	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,2-Dichlorobenzene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5
Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,3-Dichlorobenzene	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
1,4-Dichlorobenzene	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4,5-Trichlorophenol	ND		660	260	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4,6-Trichlorophenol	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dichlorophenol	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dimethylphenol	ND		660	200	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dinitrophenol	ND		1300	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,4-Dinitrotoluene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2,6-Dinitrotoluene	ND		660	190	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Chloronaphthalene	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Chlorophenol	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Methylnaphthalene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Methylphenol	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Nitroaniline	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
2-Nitrophenol	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3,3'-Dichlorobenzidine	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3-Nitroaniline	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4,6-Dinitro-2-methylphenol	ND		840	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Bromophenyl phenyl ether	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chloro-3-methylphenol	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chloroaniline	ND		660	240	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Chlorophenyl phenyl ether	ND		660	170	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
3-Methylphenol + 4-Methylphenol	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Nitroaniline	ND		1700	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
4-Nitrophenol	ND		1700	280	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Acenaphthene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Acenaphthylene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Aniline	ND		840	170	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Anthracene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzidine	ND		1300	1300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[a]anthracene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[a]pyrene	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[b]fluoranthene	ND		660	100	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[g,h,i]perylene	ND		660	220	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzo[k]fluoranthene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzoic acid	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Benzyl alcohol	ND		660	400	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-chloroethoxy)methane	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-chloroethyl)ether	ND		340	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Bis(2-ethylhexyl) phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Butyl benzyl phthalate	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Chrysene	ND		660	150	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dibenz(a,h)anthracene	ND		840	200	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dibenzofuran	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Diethyl phthalate	ND		660	190	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Dimethyl phthalate	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Di-n-butyl phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Di-n-octyl phthalate	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Fluoranthene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5
Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorobenzene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorobutadiene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachlorocyclopentadiene	ND		1700	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Hexachloroethane	ND		660	130	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Indeno[1,2,3-cd]pyrene	ND		660	260	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Isophorone	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Naphthalene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Nitrobenzene	ND		660	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
N-Nitrosodi-n-propylamine	ND		500	140	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
N-Nitrosodiphenylamine	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Pentachlorophenol	ND		1700	300	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Phenanthrene	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Phenol	ND		660	180	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
Pyrene	ND		660	160	ug/Kg		08/13/12 09:24	08/16/12 17:49	1
bis (2-chloroisopropyl) ether	ND		660	120	ug/Kg		08/13/12 09:24	08/16/12 17:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9500*	*T J N*	*ug/Kg*		*2.43*	*123-42-2*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Tributyl phosphate	*8200*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*16000*	*T J*	*ug/Kg*		*8.52*		*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*2700*	*T J*	*ug/Kg*		*9.31*		*08/13/12 09:24*	*08/16/12 17:49*	*1*
Nonadecane, 9-methyl-	*560*	*T J N*	*ug/Kg*		*10.90*	*13287-24-6*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Docosane	*730*	*T J N*	*ug/Kg*		*11.12*	*629-97-0*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Heptacosane	*1100*	*T J N*	*ug/Kg*		*11.40*	*593-49-7*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Unknown	*570*	*T J*	*ug/Kg*		*13.66*		*08/13/12 09:24*	*08/16/12 17:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
2-Fluorophenol (Surr)	*73*		*25 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 125*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Terphenyl-d14 (Surr)	*82*		*40 - 135*	*08/13/12 09:24*	*08/16/12 17:49*	*1*
Phenol-d6 (Surr)	*81*		*35 - 120*	*08/13/12 09:24*	*08/16/12 17:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg			08/15/12 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*		*08/15/12 17:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**35**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:33	1
C23-C40	**130**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*78*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:33*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:04	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-0.5

Date Collected: 08/10/12 09:44
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-6
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	J	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Arsenic	4.2		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Barium	67		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Beryllium	0.21	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Cadmium	0.23	J	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Chromium	11		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Cobalt	5.4		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Copper	14		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Lead	5.9		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:01	5
Nickel	8.4		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/22/12 17:01	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Vanadium	24		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Zinc	37		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:23	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:23	5

Client Sample ID: SB-22-3

Date Collected: 08/10/12 11:22
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Chlorophenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Nitroaniline	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
2-Nitrophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3-Nitroaniline	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chloroaniline	ND		330	120	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
4-Nitroaniline	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-22-3
Date Collected: 08/10/12 11:22
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-7
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		830	140	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Acenaphthene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Acenaphthylene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Aniline	ND		420	85	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Anthracene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzidine	ND		660	660	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzoic acid	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Benzyl alcohol	ND		330	200	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Chrysene	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dibenzofuran	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Diethyl phthalate	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Fluorene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Hexachloroethane	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Isophorone	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Naphthalene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Nitrobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Pentachlorophenol	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Phenanthrene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Phenol	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Pyrene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9200*	*T J N*	*ug/Kg*		*2.45*	*123-42-2*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Tributyl phosphate	*550*	*T J N*	*ug/Kg*		*7.65*	*126-73-8*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Unknown	*760*	*T J*	*ug/Kg*		*8.51*		*08/13/12 09:24*	*08/16/12 13:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 125*	*08/13/12 09:24*	*08/16/12 13:37*	*1*

Client Sample ID: SB-22-3

Lab Sample ID: 440-20036-7

Date Collected: 08/10/12 11:22

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Terphenyl-d14 (Surr)	*68*		*40 - 135*	*08/13/12 09:24*	*08/16/12 13:37*	*1*
Phenol-d6 (Surr)	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 13:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350	130	ug/Kg			08/15/12 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*65 - 140*		*08/15/12 18:03*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**26**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:53	1
C23-C40	**59**		10	7.0	mg/Kg		08/15/12 09:03	08/17/12 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*40 - 140*	*08/15/12 09:03*	*08/17/12 23:53*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:16	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**	**J**	10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Arsenic	**3.1**		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Barium	**59**		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Cadmium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Chromium	**9.3**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Cobalt	**4.6**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Copper	**12**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Lead	**3.1**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:12	5
Nickel	**7.4**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Selenium	ND		2.0	1.0	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Vanadium	**21**		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Zinc	**30**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:25	5
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:25	5

Client Sample ID: SB-20-0.5

Lab Sample ID: 440-20036-8

Date Collected: 08/10/12 13:10

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5
Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Acenaphthene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Acenaphthylene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Aniline	ND		4200	850	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Anthracene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzidine	ND		6600	6600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzoic acid	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Chrysene	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dibenzofuran	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Fluorene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5
Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Hexachloroethane	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Isophorone	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Naphthalene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Nitrobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Phenanthrene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Phenol	**2100**	**J**	3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Pyrene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*8600*	*T J N*	*ug/Kg*		*2.40*	*123-42-2*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Tributyl phosphate	*68000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
n-Octadecane	*890*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Unknown	*170000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 18:09*	*5*
Diphenyl phosphate	*25000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Hexatriacontane	*4000*	*T J N*	*ug/Kg*		*10.91*	*630-6-8*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
1-Eicosene	*4500*	*T J N*	*ug/Kg*		*11.12*	*3452-7-1*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Tritetracontane	*6700*	*T J N*	*ug/Kg*		*11.41*	*7098-21-7*	*08/13/12 09:24*	*08/16/12 18:09*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 125*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Nitrobenzene-d5 (Surr)	*54*		*30 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Terphenyl-d14 (Surr)	*86*		*40 - 135*	*08/13/12 09:24*	*08/16/12 18:09*	*5*
Phenol-d6 (Surr)	*73*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:09*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*65 - 140*		*08/15/12 18:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**180**		10	7.0	mg/Kg		08/15/12 09:03	08/18/12 00:13	1
C23-C40	**330**		10	7.0	mg/Kg		08/15/12 09:03	08/18/12 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*61*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:13*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:29	10

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-0.5

Date Collected: 08/10/12 13:10
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-8
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.7**	**J**	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Arsenic	**3.3**		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Barium	**90**		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Beryllium	ND		0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Cadmium	**0.45**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Chromium	**10**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Cobalt	**5.2**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Copper	**22**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Lead	**12**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:14	5
Nickel	**11**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Selenium	ND		2.0	0.98	mg/Kg		08/18/12 12:47	08/22/12 17:14	5
Thallium	ND		9.8	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Vanadium	**23**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Zinc	**57**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:27	5
Silver	ND		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27	5

Client Sample ID: SB-20-3

Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,2-Dichlorobenzene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,2-Diphenylhydrazine(as Azobenzene)	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,3-Dichlorobenzene	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
1,4-Dichlorobenzene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4,5-Trichlorophenol	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4,6-Trichlorophenol	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dichlorophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dimethylphenol	ND		160000	50000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dinitrophenol	ND		330000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,4-Dinitrotoluene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2,6-Dinitrotoluene	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Chloronaphthalene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Chlorophenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Methylnaphthalene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Nitroaniline	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
2-Nitrophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3,3'-Dichlorobenzidine	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3-Nitroaniline	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4,6-Dinitro-2-methylphenol	ND		210000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Bromophenyl phenyl ether	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chloro-3-methylphenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chloroaniline	ND		160000	60000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Chlorophenyl phenyl ether	ND		160000	42000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
3-Methylphenol + 4-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
4-Nitroaniline	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250

Client Sample ID: SB-20-3
Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		410000	70000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Acenaphthene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Acenaphthylene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Aniline	ND		210000	42000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Anthracene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzidine	ND		330000	330000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[a]anthracene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[a]pyrene	ND		160000	27000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[b]fluoranthene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[g,h,i]perylene	ND		160000	55000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzo[k]fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzoic acid	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Benzyl alcohol	ND		160000	100000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-chloroethoxy)methane	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-chloroethyl)ether	ND		85000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Bis(2-ethylhexyl) phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Butyl benzyl phthalate	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Chrysene	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dibenz(a,h)anthracene	ND		210000	50000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dibenzofuran	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Diethyl phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Dimethyl phthalate	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Di-n-butyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Di-n-octyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Fluorene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorobutadiene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachlorocyclopentadiene	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachloroethane	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Indeno[1,2,3-cd]pyrene	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Isophorone	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Naphthalene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Nitrobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodi-n-propylamine	ND		120000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodiphenylamine	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Pentachlorophenol	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Phenanthrene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Phenol	**62000**	**J**	160000	45000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Pyrene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
bis (2-chloroisopropyl) ether	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*6200000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
n-Octadecane	*67000*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Unknown	*19000000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 18:30*	*250*
Unknown	*350000*	*T J*	*ug/Kg*		*9.13*		*08/13/12 09:24*	*08/16/12 18:30*	*250*
Diphenyl phosphate	*2500000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Client Sample ID: SB-20-3

Date Collected: 08/10/12 15:02
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-10

Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 18:30*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 18:30*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**230**	**J**	380	140	ug/Kg			08/17/12 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*47*	*X*	*65 - 140*		*08/17/12 03:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**13000**		1500	1000	mg/Kg		08/15/12 09:03	08/17/12 14:13	60
C23-C40	ND		1500	1000	mg/Kg		08/15/12 09:03	08/17/12 14:13	60

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*132*		*40 - 140*	*08/15/12 09:03*	*08/17/12 14:13*	*60*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:42	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	9.9	0.87	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Arsenic	**3.2**		2.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Barium	**64**		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Beryllium	**0.20**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Cadmium	**0.41**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Chromium	**10**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Cobalt	**5.2**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Copper	**16**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Lead	**6.4**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:15	5
Nickel	**8.5**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Selenium	**1.3**	**J B ^**	2.0	0.99	mg/Kg		08/18/12 12:47	08/22/12 17:15	5
Thallium	ND		9.9	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Vanadium	**23**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Zinc	**64**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:29	5
Silver	ND		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:29	5

Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11

Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,2-Dichlorobenzene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: SB-20-5
Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,3-Dichlorobenzene	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
1,4-Dichlorobenzene	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4,5-Trichlorophenol	ND		82000	32000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4,6-Trichlorophenol	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dichlorophenol	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dimethylphenol	ND		82000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dinitrophenol	ND		160000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,4-Dinitrotoluene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2,6-Dinitrotoluene	ND		82000	24000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Chloronaphthalene	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Chlorophenol	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Methylnaphthalene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Methylphenol	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Nitroaniline	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
2-Nitrophenol	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3,3'-Dichlorobenzidine	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3-Nitroaniline	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4,6-Dinitro-2-methylphenol	ND		100000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Bromophenyl phenyl ether	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chloro-3-methylphenol	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chloroaniline	ND		82000	30000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Chlorophenyl phenyl ether	ND		82000	21000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
3-Methylphenol + 4-Methylphenol	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Nitroaniline	ND		210000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
4-Nitrophenol	ND		210000	35000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Acenaphthene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Acenaphthylene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Aniline	ND		100000	21000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Anthracene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzidine	ND		160000	160000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[a]anthracene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[a]pyrene	ND		82000	14000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[b]fluoranthene	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[g,h,i]perylene	ND		82000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[k]fluoranthene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzoic acid	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzyl alcohol	ND		82000	50000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-chloroethoxy)methane	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-chloroethyl)ether	ND		42000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-ethylhexyl) phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Butyl benzyl phthalate	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Chrysene	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dibenz(a,h)anthracene	ND		100000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dibenzofuran	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Diethyl phthalate	ND		82000	24000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Dimethyl phthalate	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Di-n-butyl phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Di-n-octyl phthalate	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Fluoranthene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-11
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorobenzene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorobutadiene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachlorocyclopentadiene	ND		210000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Hexachloroethane	ND		82000	16000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Indeno[1,2,3-cd]pyrene	ND		82000	32000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Isophorone	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Naphthalene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Nitrobenzene	ND		82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
N-Nitrosodi-n-propylamine	ND		62000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
N-Nitrosodiphenylamine	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Pentachlorophenol	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Phenanthrene	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Phenol	ND		82000	22000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Pyrene	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
bis (2-chloroisopropyl) ether	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*970000*	*T J N*	*ug/Kg*		*7.89*	*126-73-8*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Unknown	*2600000*	*T J*	*ug/Kg*		*8.76*		*08/24/12 13:49*	*08/27/12 06:30*	*250*
Unknown	*98000*	*T J*	*ug/Kg*		*9.34*		*08/24/12 13:49*	*08/27/12 06:30*	*250*
Diphenyl phosphate	*410000*	*T J N*	*ug/Kg*		*9.57*	*838-85-7*	*08/24/12 13:49*	*08/27/12 06:30*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/24/12 13:49*	*08/27/12 06:30*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/24/12 13:49*	*08/27/12 06:30*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	150	ug/Kg			08/24/12 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*52*	*X*	*65 - 140*		*08/24/12 19:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**3000**		500	350	mg/Kg		08/23/12 12:19	08/25/12 20:34	20
C23-C40	**370**	**J**	500	350	mg/Kg		08/23/12 12:19	08/25/12 20:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*102*		*40 - 140*	*08/23/12 12:19*	*08/25/12 20:34*	*20*

Client Sample ID: Dup-1

Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: Dup-1
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,2-Diphenylhydrazine(as Azobenzene)	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,3-Dichlorobenzene	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
1,4-Dichlorobenzene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4,5-Trichlorophenol	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4,6-Trichlorophenol	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dichlorophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dimethylphenol	ND		3300	1000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dinitrophenol	ND		6600	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,4-Dinitrotoluene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2,6-Dinitrotoluene	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Chloronaphthalene	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Chlorophenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Methylnaphthalene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Nitroaniline	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
2-Nitrophenol	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3,3'-Dichlorobenzidine	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3-Nitroaniline	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4,6-Dinitro-2-methylphenol	ND		4200	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Bromophenyl phenyl ether	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chloro-3-methylphenol	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chloroaniline	ND		3300	1200	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Chlorophenyl phenyl ether	ND		3300	850	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Nitroaniline	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
4-Nitrophenol	ND		8300	1400	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Acenaphthene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Acenaphthylene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Aniline	ND		4200	850	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Anthracene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzidine	ND		6600	6600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[a]anthracene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[a]pyrene	ND		3300	550	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[b]fluoranthene	ND		3300	500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[g,h,i]perylene	ND		3300	1100	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzo[k]fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzoic acid	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Benzyl alcohol	ND		3300	2000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-chloroethoxy)methane	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-chloroethyl)ether	ND		1700	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Bis(2-ethylhexyl) phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Butyl benzyl phthalate	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Chrysene	ND		3300	750	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dibenz(a,h)anthracene	ND		4200	1000	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dibenzofuran	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Diethyl phthalate	ND		3300	950	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Dimethyl phthalate	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Di-n-butyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Di-n-octyl phthalate	ND		3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Client Sample ID: Dup-1
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-12
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Fluorene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorobutadiene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachlorocyclopentadiene	ND		8300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Hexachloroethane	ND		3300	650	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Indeno[1,2,3-cd]pyrene	ND		3300	1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Isophorone	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Naphthalene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Nitrobenzene	ND		3300	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
N-Nitrosodi-n-propylamine	ND		2500	700	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
N-Nitrosodiphenylamine	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Pentachlorophenol	ND		8300	1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Phenanthrene	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Phenol	**1400**	**J**	3300	900	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
Pyrene	ND		3300	800	ug/Kg		08/13/12 09:24	08/16/12 18:51	5
bis (2-chloroisopropyl) ether	ND		3300	600	ug/Kg		08/13/12 09:24	08/16/12 18:51	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9200*	*T J N*	*ug/Kg*		*2.40*	*123-42-2*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Tributyl phosphate	*56000*	*T J N*	*ug/Kg*		*7.68*	*126-73-8*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
n-Octadecane	*800*	*J*	*ug/Kg*		*8.45*	*593-45-3*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Unknown	*150000*	*T J*	*ug/Kg*		*8.55*		*08/13/12 09:24*	*08/16/12 18:51*	*5*
Diphenyl phosphate	*24000*	*T J N*	*ug/Kg*		*9.33*	*838-85-7*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Tritetracontane	*3800*	*T J N*	*ug/Kg*		*11.43*	*7098-21-7*	*08/13/12 09:24*	*08/16/12 18:51*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
2-Fluorophenol (Surr)	*66*		*25 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 125*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Terphenyl-d14 (Surr)	*91*		*40 - 135*	*08/13/12 09:24*	*08/16/12 18:51*	*5*
Phenol-d6 (Surr)	*76*		*35 - 120*	*08/13/12 09:24*	*08/16/12 18:51*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg			08/15/12 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*65 - 140*		*08/15/12 19:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**230**		30	21	mg/Kg		08/15/12 09:03	08/18/12 00:33	3
C23-C40	**240**		30	21	mg/Kg		08/15/12 09:03	08/18/12 00:33	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*40 - 140*	*08/15/12 09:03*	*08/18/12 00:33*	*3*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 12:54	10

Client Sample ID: Dup-1

Lab Sample ID: 440-20036-12

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Arsenic	**2.8**		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Barium	**71**		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Beryllium	**0.20**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Cadmium	**0.34**	**J**	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Chromium	**9.9**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Cobalt	**5.9**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Copper	**16**		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Lead	**7.1**		2.0	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:17	5
Nickel	**10**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Selenium	ND		2.0	0.98	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Thallium	ND		9.8	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Vanadium	**22**		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Zinc	**44**		4.9	0.49	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
Silver	ND		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:50	5

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,2-Dichlorobenzene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,2-Diphenylhydrazine(as Azobenzene)	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,3-Dichlorobenzene	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
1,4-Dichlorobenzene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4,5-Trichlorophenol	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4,6-Trichlorophenol	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dichlorophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dimethylphenol	ND		160000	50000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dinitrophenol	ND		330000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,4-Dinitrotoluene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2,6-Dinitrotoluene	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Chloronaphthalene	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Chlorophenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Methylnaphthalene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Nitroaniline	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
2-Nitrophenol	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3,3'-Dichlorobenzidine	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3-Nitroaniline	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4,6-Dinitro-2-methylphenol	ND		210000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Bromophenyl phenyl ether	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chloro-3-methylphenol	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chloroaniline	ND		160000	60000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Chlorophenyl phenyl ether	ND		160000	42000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
3-Methylphenol + 4-Methylphenol	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
4-Nitroaniline	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: Dup-2
Date Collected: 08/10/12 00:01
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-13
Matrix: Solid

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		410000	70000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Acenaphthene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Acenaphthylene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Aniline	ND		210000	42000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Anthracene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzidine	ND		330000	330000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[a]anthracene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[a]pyrene	ND		160000	27000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[b]fluoranthene	ND		160000	25000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[g,h,i]perylene	ND		160000	55000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzo[k]fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzoic acid	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Benzyl alcohol	ND		160000	100000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-chloroethoxy)methane	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-chloroethyl)ether	ND		85000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Bis(2-ethylhexyl) phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Butyl benzyl phthalate	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Chrysene	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dibenz(a,h)anthracene	ND		210000	50000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dibenzofuran	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Diethyl phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Dimethyl phthalate	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Di-n-butyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Di-n-octyl phthalate	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Fluoranthene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Fluorene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorobutadiene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachlorocyclopentadiene	ND		410000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Hexachloroethane	ND		160000	32000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Indeno[1,2,3-cd]pyrene	ND		160000	65000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Isophorone	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Naphthalene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Nitrobenzene	ND		160000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
N-Nitrosodi-n-propylamine	ND		120000	35000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
N-Nitrosodiphenylamine	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Pentachlorophenol	ND		410000	75000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Phenanthrene	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Phenol	ND		160000	45000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Pyrene	ND		160000	40000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
bis (2-chloroisopropyl) ether	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*4800000*	*T J N*	*ug/Kg*		*7.66*	*126-73-8*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
n-Octadecane	*44000*	*J*	*ug/Kg*		*8.43*	*593-45-3*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Unknown	*15000000*	*T J*	*ug/Kg*		*8.53*		*08/13/12 09:24*	*08/16/12 19:12*	*250*
Unknown	*170000*	*T J*	*ug/Kg*		*9.16*		*08/13/12 09:24*	*08/16/12 19:12*	*250*
Diphenyl phosphate	*1800000*	*T J N*	*ug/Kg*		*9.31*	*838-85-7*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*0*	*X*	*25 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
2,4,6-Tribromophenol (Surr)	*0*	*X*	*35 - 125*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Nitrobenzene-d5 (Surr)	*0*	*X*	*30 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Terphenyl-d14 (Surr)	*0*	*X*	*40 - 135*	*08/13/12 09:24*	*08/16/12 19:12*	*250*
Phenol-d6 (Surr)	*0*	*X*	*35 - 120*	*08/13/12 09:24*	*08/16/12 19:12*	*250*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		360	140	ug/Kg			08/17/12 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*45*	*X*	*65 - 140*		*08/17/12 03:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	**12000**		3000	2100	mg/Kg		08/20/12 08:52	08/21/12 13:13	120
C23-C40	ND		3000	2100	mg/Kg		08/20/12 08:52	08/21/12 13:13	120

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*23*	*X*	*40 - 140*	*08/20/12 08:52*	*08/21/12 13:13*	*120*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/17/12 13:07	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.8**	**J**	9.9	0.87	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Arsenic	**3.0**		2.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Barium	**63**		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Beryllium	**0.21**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Cadmium	**0.27**	**J**	0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Chromium	**11**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Cobalt	**6.2**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Copper	**15**		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Lead	**5.5**		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 17:19	5
Nickel	**9.2**		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Selenium	ND		2.0	0.99	mg/Kg		08/18/12 12:47	08/22/12 17:19	5
Thallium	ND		9.9	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Vanadium	**25**		0.99	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Zinc	**48**		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:52	5
Silver	ND		0.99	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:52	5

Client Sample ID: EB-081012

Lab Sample ID: 440-20036-14

Date Collected: 08/10/12 15:28

Matrix: Water

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,2-Dichlorobenzene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as Azobenzene)	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,3-Dichlorobenzene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,4-Dichlorobenzene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4,5-Trichlorophenol	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4,6-Trichlorophenol	ND		19	4.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dichlorophenol	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dimethylphenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dinitrophenol	ND		19	7.7	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,4-Dinitrotoluene	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
2,6-Dinitrotoluene	ND	*	9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Chloronaphthalene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Chlorophenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Methylnaphthalene	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Methylphenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Nitroaniline	ND	*	19	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
2-Nitrophenol	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
3,3'-Dichlorobenzidine	ND	*	19	7.2	ug/L		08/16/12 15:58	08/20/12 05:11	1
3-Nitroaniline	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4,6-Dinitro-2-methylphenol	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Bromophenyl phenyl ether	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chloro-3-methylphenol	ND		19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chloroaniline	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Chlorophenyl phenyl ether	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
3-Methylphenol + 4-Methylphenol	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Nitroaniline	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
4-Nitrophenol	ND		19	5.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Acenaphthene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Acenaphthylene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Aniline	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Anthracene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzidine	ND		19	9.6	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[a]anthracene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[a]pyrene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[g,h,i]perylene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzo[k]fluoranthene	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzoic acid	ND		19	9.6	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzyl alcohol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethoxy)methane	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethyl)ether	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-ethylhexyl) phthalate	ND	*	48	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Butyl benzyl phthalate	ND		19	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Chrysene	ND	*	9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dibenz(a,h)anthracene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dibenzofuran	ND	*	9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Diethyl phthalate	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Dimethyl phthalate	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Di-n-butyl phthalate	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Di-n-octyl phthalate	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Fluoranthene	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorobenzene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorobutadiene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachlorocyclopentadiene	ND		19	4.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
Hexachloroethane	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Indeno[1,2,3-cd]pyrene	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Isophorone	ND		9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Naphthalene	ND	*	9.6	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Nitrobenzene	ND		19	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
N-Nitrosodi-n-propylamine	ND		9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
N-Nitrosodiphenylamine	ND	*	9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pentachlorophenol	ND		19	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Phenanthrene	ND	*	9.6	3.3	ug/L		08/16/12 15:58	08/20/12 05:11	1
Phenol	ND		9.6	1.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pyrene	ND		9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	1
bis (2-chloroisopropyl) ether	ND		9.6	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/16/12 15:58*	*08/20/12 05:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*50 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
2-Fluorophenol (Surr)	*58*		*30 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*40 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Terphenyl-d14 (Surr)	*63*		*50 - 125*	*08/16/12 15:58*	*08/20/12 05:11*	*1*
Phenol-d6 (Surr)	*62*		*35 - 120*	*08/16/12 15:58*	*08/20/12 05:11*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/17/12 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*		*08/17/12 00:50*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.48	0.095	mg/L		08/15/12 13:18	08/15/12 23:37	1
C23-C40	ND		0.48	0.095	mg/L		08/15/12 13:18	08/15/12 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*08/15/12 13:18*	*08/15/12 23:37*	*1*

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Arsenic	**0.0081**	**J B**	0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Barium	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1
Beryllium	ND		0.0040	0.00090	mg/L		08/14/12 07:59	08/15/12 21:46	1
Cadmium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Chromium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Cobalt	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Copper	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:46	1

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012
Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14
Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0040	mg/L		08/14/12 07:59	08/15/12 21:46	1
Molybdenum	**0.0022**	**J**	0.020	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Nickel	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:46	1
Selenium	ND		0.010	0.0080	mg/L		08/14/12 07:59	08/22/12 16:38	1
Thallium	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:46	1
Vanadium	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:46	1
Zinc	ND		0.020	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1
Silver	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.025	0.0050	mg/L			08/11/12 00:36	1

Client Sample ID: SB-21-0.5

Lab Sample ID: 440-20036-1

Date Collected: 08/09/12 16:02

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		25			45705	08/16/12 17:07	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.47 g	10 mL	45520	08/15/12 15:47	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		10			46023	08/17/12 22:52	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 11:38	SL	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:16	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:53	MP	TAL IRV

Client Sample ID: SB-21-3

Lab Sample ID: 440-20036-2

Date Collected: 08/09/12 16:28

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		10			45705	08/16/12 17:28	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.54 g	10 mL	45520	08/15/12 17:09	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:12	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 11:51	SL	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:22	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:59	MP	TAL IRV

Client Sample ID: SB-22-0.5

Lab Sample ID: 440-20036-6

Date Collected: 08/10/12 09:44

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		1			45705	08/16/12 17:49	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.3 g	10 mL	45520	08/15/12 17:36	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:33	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:04	SL	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:23	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:01	MP	TAL IRV

Client Sample ID: SB-22-3

Lab Sample ID: 440-20036-7

Date Collected: 08/10/12 11:22

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		1			45705	08/16/12 13:37	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.69 g	10 mL	45520	08/15/12 18:03	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.05 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/17/12 23:53	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:16	SL	TAL IRV
Total/NA	Prep	3050B			1.99 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:25	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:12	MP	TAL IRV

Client Sample ID: SB-20-0.5

Lab Sample ID: 440-20036-8

Date Collected: 08/10/12 13:10

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		5			45705	08/16/12 18:09	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.43 g	10 mL	45520	08/15/12 18:30	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		1			46023	08/18/12 00:13	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:29	SL	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:27	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:14	MP	TAL IRV

Client Sample ID: SB-20-3

Lab Sample ID: 440-20036-10

Date Collected: 08/10/12 15:02

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		250			45705	08/16/12 18:30	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.31 g	10 mL	45841	08/17/12 03:30	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.02 g	5 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		60			46023	08/17/12 14:13	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:42	SL	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:29	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:15	MP	TAL IRV

Client Sample ID: SB-20-5

Lab Sample ID: 440-20036-11

Date Collected: 08/10/12 15:20

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	1 mL	47570	08/24/12 13:49	AD	TAL IRV
Total/NA	Analysis	8270C		250			47938	08/27/12 06:30	DF	TAL IRV
Total/NA	Analysis	8015B		1	5.12 g	10 mL	47717	08/24/12 19:47	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.03 g	5 mL	47386	08/23/12 12:19	TM	TAL IRV
Total/NA	Analysis	8015B		20			47884	08/25/12 20:34	JR	TAL IRV

Client Sample ID: Dup-1

Lab Sample ID: 440-20036-12

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		5			45705	08/16/12 18:51	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.39 g	10 mL	45520	08/15/12 19:24	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	2 mL	45421	08/15/12 09:03	AD	TAL IRV
Total/NA	Analysis	8015B		3			46023	08/18/12 00:33	JR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 12:54	SL	TAL IRV
Total/NA	Prep	3050B			2.04 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:50	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:17	MP	TAL IRV

Client Sample ID: Dup-2

Lab Sample ID: 440-20036-13

Date Collected: 08/10/12 00:01

Matrix: Solid

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	44894	08/13/12 09:24	AG	TAL IRV
Total/NA	Analysis	8270C		250			45705	08/16/12 19:12	AI	TAL IRV
Total/NA	Analysis	8015B		1	5.48 g	10 mL	45841	08/17/12 03:57	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	5 mL	46433	08/20/12 08:52	TM	TAL IRV
Total/NA	Analysis	8015B		120			46773	08/21/12 13:13	RR	TAL IRV
Total/NA	Prep	3060A			1.25 g	50 mL	45897	08/16/12 15:44	CH	TAL IRV
Total/NA	Analysis	7199		10			46017	08/17/12 13:07	SL	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	46306	08/18/12 12:47	DT	TAL IRV
Total/NA	Analysis	6010B		5			46570	08/20/12 15:52	TK	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:19	MP	TAL IRV

Client Sample ID: EB-081012

Lab Sample ID: 440-20036-14

Date Collected: 08/10/12 15:28

Matrix: Water

Date Received: 08/10/12 17:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1045 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Client Sample ID: EB-081012

Date Collected: 08/10/12 15:28
Date Received: 08/10/12 17:10

Lab Sample ID: 440-20036-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		1			46371	08/20/12 05:11	AI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	45781	08/17/12 00:50	RG	TAL IRV
Total/NA	Prep	3510C			1050 mL	1 mL	45525	08/15/12 13:18	AD	TAL IRV
Total/NA	Analysis	8015B		1			45425	08/15/12 23:37	RR	TAL IRV
Dissolved	Prep	3005A			50 mL	50 mL	45116	08/14/12 07:59	EN	TAL IRV
Dissolved	Analysis	6010B		1			45739	08/15/12 21:46	MP	TAL IRV
Dissolved	Analysis	6010B		1			47199	08/22/12 16:38	MP	TAL IRV
Total/NA	Analysis	7196A		1			44700	08/11/12 00:36	SL	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-44894/1-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Chlorophenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Nitroaniline	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
2-Nitrophenol	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3-Nitroaniline	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chloroaniline	ND		330	120	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Nitroaniline	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
4-Nitrophenol	ND		830	140	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Acenaphthene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Acenaphthylene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Aniline	ND		420	85	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Anthracene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzidine	ND		660	660	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzoic acid	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Benzyl alcohol	ND		330	200	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Chrysene	ND		330	75	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dibenzofuran	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Diethyl phthalate	ND		330	95	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-44894/1-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Fluoranthene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Fluorene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Hexachloroethane	ND		330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Isophorone	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Naphthalene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Nitrobenzene	ND		330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Pentachlorophenol	ND		830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Phenanthrene	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Phenol	ND		330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
Pyrene	ND		330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
2-Pentanone, 4-hydroxy-4-methyl-	*9110*	*T J N*	*ug/Kg*		*2.45*	*123-42-2*	*08/13/12 09:24*	*08/16/12 11:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 125*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Nitrobenzene-d5 (Surr)	*60*		*30 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Terphenyl-d14 (Surr)	*67*		*40 - 135*	*08/13/12 09:24*	*08/16/12 11:31*	*1*
Phenol-d6 (Surr)	*67*		*35 - 120*	*08/13/12 09:24*	*08/16/12 11:31*	*1*

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2180		ug/Kg		65	40 - 120
1,2-Dichlorobenzene	3330	2110		ug/Kg		63	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2190		ug/Kg		66	50 - 125
1,3-Dichlorobenzene	3330	2030		ug/Kg		61	35 - 120
1,4-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2210		ug/Kg		66	50 - 120
2,4,6-Trichlorophenol	3330	2510		ug/Kg		75	50 - 120
2,4-Dichlorophenol	3330	2240		ug/Kg		67	45 - 120
2,4-Dimethylphenol	3330	2190		ug/Kg		66	40 - 120
2,4-Dinitrophenol	3330	2190		ug/Kg		66	25 - 120
2,4-Dinitrotoluene	3330	2380		ug/Kg		71	55 - 125
2,6-Dinitrotoluene	3330	2300		ug/Kg		69	55 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	3330	2260		ug/Kg		68	45 - 120
2-Chlorophenol	3330	2350		ug/Kg		70	40 - 120
2-Methylnaphthalene	3330	2170		ug/Kg		65	45 - 120
2-Methylphenol	3330	2390		ug/Kg		72	40 - 120
2-Nitroaniline	3330	2270		ug/Kg		68	50 - 125
2-Nitrophenol	3330	2360		ug/Kg		71	45 - 120
3,3'-Dichlorobenzidine	3330	2040		ug/Kg		61	20 - 130
3-Nitroaniline	3330	1910		ug/Kg		57	35 - 120
4,6-Dinitro-2-methylphenol	3330	2250		ug/Kg		67	40 - 120
4-Bromophenyl phenyl ether	3330	2200		ug/Kg		66	45 - 120
4-Chloro-3-methylphenol	3330	2160		ug/Kg		65	50 - 125
4-Chloroaniline	3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	3330	2700		ug/Kg		81	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2390		ug/Kg		72	50 - 120
4-Nitroaniline	3330	2020		ug/Kg		61	45 - 125
4-Nitrophenol	3330	2080		ug/Kg		62	40 - 125
Acenaphthene	3330	2330		ug/Kg		70	50 - 120
Acenaphthylene	3330	2320		ug/Kg		70	50 - 120
Aniline	3330	1830		ug/Kg		55	25 - 120
Anthracene	3330	2180		ug/Kg		65	55 - 120
Benzidine	3330	660		ug/Kg		20	20 - 120
Benzo[a]anthracene	3330	2570		ug/Kg		77	55 - 120
Benzo[a]pyrene	3330	2290		ug/Kg		69	50 - 125
Benzo[b]fluoranthene	3330	2470		ug/Kg		74	45 - 125
Benzo[g,h,i]perylene	3330	3260		ug/Kg		98	35 - 130
Benzo[k]fluoranthene	3330	2710		ug/Kg		81	45 - 125
Benzoic acid	3330	1920		ug/Kg		58	20 - 120
Benzyl alcohol	3330	1920		ug/Kg		58	35 - 120
Bis(2-chloroethoxy)methane	3330	2060		ug/Kg		62	45 - 120
Bis(2-chloroethyl)ether	3330	2050		ug/Kg		62	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2640		ug/Kg		79	50 - 130
Butyl benzyl phthalate	3330	2220		ug/Kg		67	50 - 125
Chrysene	3330	2220		ug/Kg		66	55 - 120
Dibenz(a,h)anthracene	3330	3210		ug/Kg		96	40 - 135
Dibenzofuran	3330	2170		ug/Kg		65	55 - 120
Diethyl phthalate	3330	2420		ug/Kg		72	50 - 125
Dimethyl phthalate	3330	2260		ug/Kg		68	50 - 125
Di-n-butyl phthalate	3330	2050		ug/Kg		62	50 - 125
Di-n-octyl phthalate	3330	2080		ug/Kg		62	50 - 135
Fluoranthene	3330	2180		ug/Kg		65	55 - 120
Fluorene	3330	2500		ug/Kg		75	55 - 120
Hexachlorobenzene	3330	2300		ug/Kg		69	50 - 120
Hexachlorobutadiene	3330	2220		ug/Kg		67	40 - 120
Hexachlorocyclopentadiene	3330	2230		ug/Kg		67	30 - 125
Hexachloroethane	3330	2070		ug/Kg		62	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2490		ug/Kg		75	30 - 135
Isophorone	3330	2130		ug/Kg		64	40 - 120
Naphthalene	3330	2070		ug/Kg		62	45 - 120
Nitrobenzene	3330	2140		ug/Kg		64	45 - 120
N-Nitrosodi-n-propylamine	3330	2210		ug/Kg		66	40 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	3330	2240		ug/Kg		67	50 - 120
Pentachlorophenol	3330	2350		ug/Kg		70	40 - 120
Phenanthrene	3330	2440		ug/Kg		73	50 - 120
Phenol	3330	2390		ug/Kg		72	40 - 120
Pyrene	3330	2050		ug/Kg		62	45 - 125
bis (2-chloroisopropyl) ether	3330	2140		ug/Kg		64	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 120*
2-Fluorophenol (Surr)	*72*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*88*		*35 - 125*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*
Terphenyl-d14 (Surr)	*64*		*40 - 135*
Phenol-d6 (Surr)	*73*		*35 - 120*

Lab Sample ID: 440-20036-7 MS
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3330	1900		ug/Kg		57	40 - 120
1,2-Dichlorobenzene	ND		3330	1830		ug/Kg		55	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2120		ug/Kg		64	50 - 125
1,3-Dichlorobenzene	ND		3330	1740		ug/Kg		52	35 - 120
1,4-Dichlorobenzene	ND		3330	1750		ug/Kg		53	35 - 120
2,4,5-Trichlorophenol	ND		3330	2180		ug/Kg		66	45 - 120
2,4,6-Trichlorophenol	ND		3330	2360		ug/Kg		71	45 - 120
2,4-Dichlorophenol	ND		3330	2080		ug/Kg		62	45 - 120
2,4-Dimethylphenol	ND		3330	2080		ug/Kg		62	30 - 120
2,4-Dinitrophenol	ND		3330	2170		ug/Kg		65	20 - 120
2,4-Dinitrotoluene	ND		3330	2220		ug/Kg		67	50 - 125
2,6-Dinitrotoluene	ND		3330	2180		ug/Kg		65	50 - 125
2-Chloronaphthalene	ND		3330	2100		ug/Kg		63	45 - 120
2-Chlorophenol	ND		3330	2070		ug/Kg		62	40 - 120
2-Methylnaphthalene	ND		3330	1960		ug/Kg		59	40 - 120
2-Methylphenol	ND		3330	2140		ug/Kg		64	40 - 120
2-Nitroaniline	ND		3330	2160		ug/Kg		65	45 - 120
2-Nitrophenol	ND		3330	2100		ug/Kg		63	40 - 120
3,3'-Dichlorobenzidine	ND		3330	2180		ug/Kg		66	20 - 130
3-Nitroaniline	ND		3330	1860		ug/Kg		56	30 - 120
4,6-Dinitro-2-methylphenol	ND		3330	2130		ug/Kg		64	35 - 120
4-Bromophenyl phenyl ether	ND		3330	2130		ug/Kg		64	45 - 120
4-Chloro-3-methylphenol	ND		3330	2100		ug/Kg		63	50 - 125
4-Chloroaniline	ND		3330	1840		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	ND		3330	2500		ug/Kg		75	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3330	2210		ug/Kg		66	50 - 120
4-Nitroaniline	ND		3330	2000		ug/Kg		60	40 - 125
4-Nitrophenol	ND		3330	1830		ug/Kg		55	35 - 125
Acenaphthene	ND		3330	2170		ug/Kg		65	45 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MS
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		3330	2120		ug/Kg		64	45 - 120
Aniline	ND		3330	1740		ug/Kg		52	25 - 120
Anthracene	ND		3330	2060		ug/Kg		62	55 - 120
Benzidine	ND		3330	685		ug/Kg		21	20 - 120
Benzo[a]anthracene	ND		3330	2470		ug/Kg		74	50 - 120
Benzo[a]pyrene	ND		3330	2300		ug/Kg		69	45 - 125
Benzo[b]fluoranthene	ND		3330	2610		ug/Kg		78	45 - 125
Benzo[g,h,i]perylene	ND		3330	3310		ug/Kg		99	25 - 130
Benzo[k]fluoranthene	ND		3330	2830		ug/Kg		85	45 - 125
Benzoic acid	ND		3330	2220		ug/Kg		67	20 - 120
Benzyl alcohol	ND		3330	1950		ug/Kg		59	20 - 120
Bis(2-chloroethoxy)methane	ND		3330	1830		ug/Kg		55	45 - 120
Bis(2-chloroethyl)ether	ND		3330	1760		ug/Kg		53	35 - 110
Bis(2-ethylhexyl) phthalate	ND		3330	2660		ug/Kg		80	45 - 130
Butyl benzyl phthalate	ND		3330	2210		ug/Kg		67	45 - 125
Chrysene	ND		3330	2120		ug/Kg		64	55 - 120
Dibenz(a,h)anthracene	ND		3330	2860		ug/Kg		86	25 - 135
Dibenzofuran	ND		3330	2010		ug/Kg		60	50 - 120
Diethyl phthalate	ND		3330	2300		ug/Kg		69	50 - 125
Dimethyl phthalate	ND		3330	2130		ug/Kg		64	45 - 125
Di-n-butyl phthalate	ND		3330	2010		ug/Kg		60	50 - 125
Di-n-octyl phthalate	ND		3330	2140		ug/Kg		64	50 - 135
Fluoranthene	ND		3330	1990		ug/Kg		60	45 - 120
Fluorene	ND		3330	2360		ug/Kg		71	50 - 120
Hexachlorobenzene	ND		3330	2220		ug/Kg		67	50 - 120
Hexachlorobutadiene	ND		3330	1940		ug/Kg		58	40 - 120
Hexachlorocyclopentadiene	ND		3330	1350		ug/Kg		41	20 - 125
Hexachloroethane	ND		3330	1760		ug/Kg		53	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2290		ug/Kg		69	20 - 130
Isophorone	ND		3330	1920		ug/Kg		58	40 - 120
Naphthalene	ND		3330	1800		ug/Kg		54	40 - 120
Nitrobenzene	ND		3330	1850		ug/Kg		56	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2000		ug/Kg		60	35 - 120
N-Nitrosodiphenylamine	ND		3330	2220		ug/Kg		67	45 - 125
Pentachlorophenol	ND		3330	2280		ug/Kg		69	30 - 120
Phenanthrene	ND		3330	2360		ug/Kg		71	50 - 120
Phenol	ND		3330	2120		ug/Kg		64	40 - 120
Pyrene	ND		3330	1960		ug/Kg		59	40 - 125
bis (2-chloroisopropyl) ether	ND		3330	1860		ug/Kg		56	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 120*
2-Fluorophenol (Surr)	*62*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 125*
Nitrobenzene-d5 (Surr)	*57*		*30 - 120*
Terphenyl-d14 (Surr)	*62*		*40 - 135*
Phenol-d6 (Surr)	*65*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MSD
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	2090		ug/Kg		63	40 - 120	9	25
1,2-Dichlorobenzene	ND		3330	2020		ug/Kg		61	40 - 120	10	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2230		ug/Kg		67	50 - 125	5	25
1,3-Dichlorobenzene	ND		3330	1930		ug/Kg		58	35 - 120	10	25
1,4-Dichlorobenzene	ND		3330	1940		ug/Kg		58	35 - 120	10	25
2,4,5-Trichlorophenol	ND		3330	2330		ug/Kg		70	45 - 120	7	20
2,4,6-Trichlorophenol	ND		3330	2510		ug/Kg		75	45 - 120	6	25
2,4-Dichlorophenol	ND		3330	2260		ug/Kg		68	45 - 120	9	25
2,4-Dimethylphenol	ND		3330	2240		ug/Kg		67	30 - 120	8	25
2,4-Dinitrophenol	ND		3330	2270		ug/Kg		68	20 - 120	5	25
2,4-Dinitrotoluene	ND		3330	2390		ug/Kg		72	50 - 125	7	25
2,6-Dinitrotoluene	ND		3330	2300		ug/Kg		69	50 - 125	5	20
2-Chloronaphthalene	ND		3330	2270		ug/Kg		68	45 - 120	8	20
2-Chlorophenol	ND		3330	2240		ug/Kg		67	40 - 120	8	20
2-Methylnaphthalene	ND		3330	2140		ug/Kg		64	40 - 120	9	20
2-Methylphenol	ND		3330	2270		ug/Kg		68	40 - 120	6	25
2-Nitroaniline	ND		3330	2320		ug/Kg		70	45 - 120	7	25
2-Nitrophenol	ND		3330	2290		ug/Kg		69	40 - 120	8	25
3,3'-Dichlorobenzidine	ND		3330	2230		ug/Kg		67	20 - 130	2	25
3-Nitroaniline	ND		3330	1840		ug/Kg		55	30 - 120	1	25
4,6-Dinitro-2-methylphenol	ND		3330	2210		ug/Kg		66	35 - 120	4	25
4-Bromophenyl phenyl ether	ND		3330	2220		ug/Kg		67	45 - 120	4	20
4-Chloro-3-methylphenol	ND		3330	2190		ug/Kg		66	50 - 125	4	25
4-Chloroaniline	ND		3330	1880		ug/Kg		57	20 - 120	2	30
4-Chlorophenyl phenyl ether	ND		3330	2670		ug/Kg		80	50 - 120	6	25
3-Methylphenol + 4-Methylphenol	ND		3330	2330		ug/Kg		70	50 - 120	5	25
4-Nitroaniline	ND		3330	2090		ug/Kg		63	40 - 125	4	30
4-Nitrophenol	ND		3330	2290		ug/Kg		69	35 - 125	22	30
Acenaphthene	ND		3330	2340		ug/Kg		70	45 - 120	7	25
Acenaphthylene	ND		3330	2290		ug/Kg		69	45 - 120	8	20
Aniline	ND		3330	1970		ug/Kg		59	25 - 120	12	30
Anthracene	ND		3330	2170		ug/Kg		65	55 - 120	5	25
Benzidine	ND		3330	789		ug/Kg		24	20 - 120	14	30
Benzo[a]anthracene	ND		3330	2550		ug/Kg		77	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2320		ug/Kg		70	45 - 125	1	25
Benzo[b]fluoranthene	ND		3330	2630		ug/Kg		79	45 - 125	1	30
Benzo[g,h,i]perylene	ND		3330	3330		ug/Kg		100	25 - 130	1	30
Benzo[k]fluoranthene	ND		3330	2820		ug/Kg		85	45 - 125	0	30
Benzoic acid	ND		3330	2220		ug/Kg		67	20 - 120	0	30
Benzyl alcohol	ND		3330	2100		ug/Kg		63	20 - 120	8	30
Bis(2-chloroethoxy)methane	ND		3330	2000		ug/Kg		60	45 - 120	9	25
Bis(2-chloroethyl)ether	ND		3330	1940		ug/Kg		58	35 - 110	10	25
Bis(2-ethylhexyl) phthalate	ND		3330	2760		ug/Kg		83	45 - 130	4	25
Butyl benzyl phthalate	ND		3330	2330		ug/Kg		70	45 - 125	5	25
Chrysene	ND		3330	2220		ug/Kg		67	55 - 120	5	25
Dibenz(a,h)anthracene	ND		3330	2910		ug/Kg		87	25 - 135	2	30
Dibenzofuran	ND		3330	2160		ug/Kg		65	50 - 120	7	25
Diethyl phthalate	ND		3330	2400		ug/Kg		72	50 - 125	5	25
Dimethyl phthalate	ND		3330	2240		ug/Kg		67	45 - 125	5	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-20036-7 MSD
Matrix: Solid
Analysis Batch: 45705

Client Sample ID: SB-22-3
Prep Type: Total/NA
Prep Batch: 44894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND		3330	2070		ug/Kg		62	50 - 125	3	25
Di-n-octyl phthalate	ND		3330	2230		ug/Kg		67	50 - 135	4	25
Fluoranthene	ND		3330	2030		ug/Kg		61	45 - 120	2	25
Fluorene	ND		3330	2480		ug/Kg		74	50 - 120	5	25
Hexachlorobenzene	ND		3330	2280		ug/Kg		69	50 - 120	3	25
Hexachlorobutadiene	ND		3330	2160		ug/Kg		65	40 - 120	11	25
Hexachlorocyclopentadiene	ND		3330	1490		ug/Kg		45	20 - 125	10	30
Hexachloroethane	ND		3330	1970		ug/Kg		59	35 - 120	11	30
Indeno[1,2,3-cd]pyrene	ND		3330	2340		ug/Kg		70	20 - 130	2	30
Isophorone	ND		3330	2050		ug/Kg		62	40 - 120	7	25
Naphthalene	ND		3330	2010		ug/Kg		60	40 - 120	11	25
Nitrobenzene	ND		3330	2080		ug/Kg		62	40 - 120	11	25
N-Nitrosodi-n-propylamine	ND		3330	2140		ug/Kg		64	35 - 120	7	25
N-Nitrosodiphenylamine	ND		3330	2270		ug/Kg		68	45 - 125	2	25
Pentachlorophenol	ND		3330	2340		ug/Kg		70	30 - 120	3	25
Phenanthrene	ND		3330	2430		ug/Kg		73	50 - 120	3	25
Phenol	ND		3330	2330		ug/Kg		70	40 - 120	10	25
Pyrene	ND		3330	2030		ug/Kg		61	40 - 125	3	30
bis (2-chloroisopropyl) ether	ND		3330	2030		ug/Kg		61	40 - 120	9	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 120*
2-Fluorophenol (Surr)	*68*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*87*		*35 - 125*
Nitrobenzene-d5 (Surr)	*63*		*30 - 120*
Terphenyl-d14 (Surr)	*64*		*40 - 135*
Phenol-d6 (Surr)	*70*		*35 - 120*

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,3-Dichlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
1,4-Dichlorobenzene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,5-Trichlorophenol	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4,6-Trichlorophenol	ND		20	4.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dichlorophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dimethylphenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrophenol	ND		20	8.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chloronaphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Chlorophenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylnaphthalene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		20	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
2-Nitrophenol	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Nitroaniline	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloro-3-methylphenol	ND		20	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chloroaniline	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Chlorophenyl phenyl ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
3-Methylphenol + 4-Methylphenol	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitroaniline	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
4-Nitrophenol	ND		20	5.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Acenaphthylene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Aniline	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzidine	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]anthracene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[a]pyrene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[b]fluoranthene	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[g,h,i]perylene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzo[k]fluoranthene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzoic acid	ND		20	10	ug/L		08/16/12 15:58	08/19/12 22:16	1
Benzyl alcohol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethoxy)methane	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-chloroethyl)ether	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Bis(2-ethylhexyl) phthalate	6.07	J	50	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Butyl benzyl phthalate	ND		20	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Chrysene	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenz(a,h)anthracene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dibenzofuran	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Diethyl phthalate	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Dimethyl phthalate	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-butyl phthalate	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Di-n-octyl phthalate	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluoranthene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1,2,3-cd]pyrene	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Isophorone	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Naphthalene	ND		10	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol	ND		20	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenanthrene	ND		10	3.5	ug/L		08/16/12 15:58	08/19/12 22:16	1
Phenol	ND		10	2.0	ug/L		08/16/12 15:58	08/19/12 22:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-45901/1-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		10	4.0	ug/L		08/16/12 15:58	08/19/12 22:16	1
bis (2-chloroisopropyl) ether	ND		10	2.5	ug/L		08/16/12 15:58	08/19/12 22:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tritetracontane	*8.41*	*T J N*	*ug/L*		*10.52*	*7098-21-7*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*50 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2-Fluorophenol (Surr)	*49*		*30 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*40 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Terphenyl-d14 (Surr)	*71*		*50 - 125*	*08/16/12 15:58*	*08/19/12 22:16*	*1*
Phenol-d6 (Surr)	*58*		*35 - 120*	*08/16/12 15:58*	*08/19/12 22:16*	*1*

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	46.0		ug/L		46	45 - 120
1,2-Dichlorobenzene	100	44.6		ug/L		45	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	100	61.3		ug/L		61	60 - 120
1,3-Dichlorobenzene	100	41.2		ug/L		41	35 - 120
1,4-Dichlorobenzene	100	42.1		ug/L		42	35 - 120
2,4,5-Trichlorophenol	100	57.2		ug/L		57	55 - 120
2,4,6-Trichlorophenol	100	58.3		ug/L		58	55 - 120
2,4-Dichlorophenol	100	57.6		ug/L		58	55 - 120
2,4-Dimethylphenol	100	52.9		ug/L		53	40 - 120
2,4-Dinitrophenol	100	63.5		ug/L		63	40 - 120
2,4-Dinitrotoluene	100	65.6		ug/L		66	65 - 120
2,6-Dinitrotoluene	100	61.3	*	ug/L		61	65 - 120
2-Chloronaphthalene	100	55.3	*	ug/L		55	60 - 120
2-Chlorophenol	100	53.9		ug/L		54	45 - 120
2-Methylnaphthalene	100	55.3		ug/L		55	55 - 120
2-Methylphenol	100	58.7		ug/L		59	50 - 120
2-Nitroaniline	100	62.2	*	ug/L		62	65 - 120
2-Nitrophenol	100	59.8		ug/L		60	50 - 120
3,3'-Dichlorobenzidine	100	42.7	*	ug/L		43	45 - 135
3-Nitroaniline	100	60.6		ug/L		61	60 - 120
4,6-Dinitro-2-methylphenol	100	63.2		ug/L		63	45 - 120
4-Bromophenyl phenyl ether	100	59.0	*	ug/L		59	60 - 120
4-Chloro-3-methylphenol	100	60.4		ug/L		60	60 - 120
4-Chloroaniline	100	63.3		ug/L		63	55 - 120
4-Chlorophenyl phenyl ether	100	55.7	*	ug/L		56	65 - 120
3-Methylphenol + 4-Methylphenol	100	61.8		ug/L		62	50 - 120
4-Nitroaniline	100	61.5		ug/L		61	55 - 125
4-Nitrophenol	100	59.8		ug/L		60	45 - 120
Acenaphthene	100	57.2	*	ug/L		57	60 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-45901/2-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	100	60.6		ug/L		61	60 - 120
Aniline	100	64.9		ug/L		65	35 - 120
Anthracene	100	60.5	*	ug/L		60	65 - 120
Benzidine	100	62.6		ug/L		63	30 - 160
Benzo[a]anthracene	100	60.5	*	ug/L		60	65 - 120
Benzo[a]pyrene	100	60.4		ug/L		60	55 - 130
Benzo[b]fluoranthene	100	61.9		ug/L		62	55 - 125
Benzo[g,h,i]perylene	100	74.7		ug/L		75	45 - 135
Benzo[k]fluoranthene	100	62.3		ug/L		62	50 - 125
Benzoic acid	100	57.9		ug/L		58	25 - 120
Benzyl alcohol	100	66.9		ug/L		67	50 - 120
Bis(2-chloroethoxy)methane	100	59.4		ug/L		59	55 - 120
Bis(2-chloroethyl)ether	100	57.7		ug/L		58	50 - 120
Bis(2-ethylhexyl) phthalate	100	56.5	*	ug/L		56	65 - 130
Butyl benzyl phthalate	100	62.7		ug/L		63	55 - 130
Chrysene	100	61.0	*	ug/L		61	65 - 120
Dibenz(a,h)anthracene	100	58.2		ug/L		58	50 - 135
Dibenzofuran	100	58.4	*	ug/L		58	65 - 120
Diethyl phthalate	100	63.5		ug/L		63	55 - 120
Dimethyl phthalate	100	60.4		ug/L		60	30 - 120
Di-n-butyl phthalate	100	59.7		ug/L		60	60 - 125
Di-n-octyl phthalate	100	66.6		ug/L		67	65 - 135
Fluoranthene	100	59.9		ug/L		60	60 - 120
Fluorene	100	58.4	*	ug/L		58	65 - 120
Hexachlorobenzene	100	58.6	*	ug/L		59	60 - 120
Hexachlorobutadiene	100	40.4		ug/L		40	40 - 120
Hexachlorocyclopentadiene	100	42.9		ug/L		43	25 - 120
Hexachloroethane	100	38.5		ug/L		39	35 - 120
Indeno[1,2,3-cd]pyrene	100	68.4		ug/L		68	45 - 135
Isophorone	100	63.5		ug/L		64	50 - 120
Naphthalene	100	51.9	*	ug/L		52	55 - 120
Nitrobenzene	100	59.4		ug/L		59	55 - 120
N-Nitrosodi-n-propylamine	100	70.4		ug/L		70	45 - 120
N-Nitrosodiphenylamine	100	57.4	*	ug/L		57	60 - 120
Pentachlorophenol	100	61.1		ug/L		61	24 - 121
Phenanthrene	100	59.9	*	ug/L		60	65 - 120
Phenol	100	51.6		ug/L		52	40 - 120
Pyrene	100	59.2		ug/L		59	55 - 125
bis (2-chloroisopropyl) ether	100	58.9		ug/L		59	45 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*62*		*45 - 120*
Terphenyl-d14 (Surr)	*61*		*50 - 125*
Phenol-d6 (Surr)	*51*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	48.1		ug/L		48	45 - 120	5	20
1,2-Dichlorobenzene	100	44.0		ug/L		44	40 - 120	1	25
1,2-Diphenylhydrazine(as Azobenzene)	100	64.6		ug/L		65	60 - 120	5	25
1,3-Dichlorobenzene	100	41.1		ug/L		41	35 - 120	0	25
1,4-Dichlorobenzene	100	42.6		ug/L		43	35 - 120	1	25
2,4,5-Trichlorophenol	100	63.3		ug/L		63	55 - 120	10	30
2,4,6-Trichlorophenol	100	63.8		ug/L		64	55 - 120	9	30
2,4-Dichlorophenol	100	59.1		ug/L		59	55 - 120	2	20
2,4-Dimethylphenol	100	52.6		ug/L		53	40 - 120	0	25
2,4-Dinitrophenol	100	63.2		ug/L		63	40 - 120	1	25
2,4-Dinitrotoluene	100	68.4		ug/L		68	65 - 120	4	20
2,6-Dinitrotoluene	100	66.8		ug/L		67	65 - 120	9	20
2-Chloronaphthalene	100	59.2	*	ug/L		59	60 - 120	7	20
2-Chlorophenol	100	52.1		ug/L		52	45 - 120	4	25
2-Methylnaphthalene	100	57.3		ug/L		57	55 - 120	4	20
2-Methylphenol	100	56.7		ug/L		57	50 - 120	4	20
2-Nitroaniline	100	67.3		ug/L		67	65 - 120	8	20
2-Nitrophenol	100	62.8		ug/L		63	50 - 120	5	25
3,3'-Dichlorobenzidine	100	54.1		ug/L		54	45 - 135	24	25
3-Nitroaniline	100	64.5		ug/L		65	60 - 120	6	25
4,6-Dinitro-2-methylphenol	100	65.6		ug/L		66	45 - 120	4	25
4-Bromophenyl phenyl ether	100	62.7		ug/L		63	60 - 120	6	25
4-Chloro-3-methylphenol	100	63.0		ug/L		63	60 - 120	4	25
4-Chloroaniline	100	63.7		ug/L		64	55 - 120	1	25
4-Chlorophenyl phenyl ether	100	57.0	*	ug/L		57	65 - 120	2	20
3-Methylphenol + 4-Methylphenol	100	59.9		ug/L		60	50 - 120	3	20
4-Nitroaniline	100	66.9		ug/L		67	55 - 125	8	20
4-Nitrophenol	100	68.5		ug/L		68	45 - 120	14	30
Acenaphthene	100	63.0		ug/L		63	60 - 120	10	20
Acenaphthylene	100	65.8		ug/L		66	60 - 120	8	20
Aniline	100	64.3		ug/L		64	35 - 120	1	30
Anthracene	100	64.8		ug/L		65	65 - 120	7	20
Benzidine	100	63.3		ug/L		63	30 - 160	1	35
Benzo[a]anthracene	100	64.6		ug/L		65	65 - 120	7	20
Benzo[a]pyrene	100	65.8		ug/L		66	55 - 130	9	25
Benzo[b]fluoranthene	100	65.4		ug/L		65	55 - 125	5	25
Benzo[g,h,i]perylene	100	81.3		ug/L		81	45 - 135	8	25
Benzo[k]fluoranthene	100	67.8		ug/L		68	50 - 125	8	20
Benzoic acid	100	63.5		ug/L		63	25 - 120	9	30
Benzyl alcohol	100	65.4		ug/L		65	50 - 120	2	20
Bis(2-chloroethoxy)methane	100	62.6		ug/L		63	55 - 120	5	20
Bis(2-chloroethyl)ether	100	57.8		ug/L		58	50 - 120	0	20
Bis(2-ethylhexyl) phthalate	100	61.9	*	ug/L		62	65 - 130	9	20
Butyl benzyl phthalate	100	68.1		ug/L		68	55 - 130	8	20
Chrysene	100	65.5		ug/L		66	65 - 120	7	20
Dibenz(a,h)anthracene	100	62.0		ug/L		62	50 - 135	6	25
Dibenzofuran	100	63.5	*	ug/L		63	65 - 120	8	20
Diethyl phthalate	100	66.6		ug/L		67	55 - 120	5	30
Dimethyl phthalate	100	64.2		ug/L		64	30 - 120	6	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A
Matrix: Water
Analysis Batch: 46371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45901

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate			100	63.6		ug/L		64	60 - 125	6	20
Di-n-octyl phthalate			100	75.4		ug/L		75	65 - 135	12	20
Fluoranthene			100	64.5		ug/L		65	60 - 120	7	20
Fluorene			100	61.3	*	ug/L		61	65 - 120	5	20
Hexachlorobenzene			100	62.0		ug/L		62	60 - 120	6	20
Hexachlorobutadiene			100	42.2		ug/L		42	40 - 120	4	25
Hexachlorocyclopentadiene			100	44.8		ug/L		45	25 - 120	4	30
Hexachloroethane			100	37.8		ug/L		38	35 - 120	2	25
Indeno[1,2,3-cd]pyrene			100	74.0		ug/L		74	45 - 135	8	25
Isophorone			100	67.2		ug/L		67	50 - 120	6	20
Naphthalene			100	54.6		ug/L		55	55 - 120	5	20
Nitrobenzene			100	61.5		ug/L		61	55 - 120	4	25
N-Nitrosodi-n-propylamine			100	68.9		ug/L		69	45 - 120	2	20
N-Nitrosodiphenylamine			100	61.5		ug/L		61	60 - 120	7	20
Pentachlorophenol			100	64.8		ug/L		65	24 - 121	6	25
Phenanthrene			100	63.3	*	ug/L		63	65 - 120	6	20
Phenol			100	49.4		ug/L		49	40 - 120	4	25
Pyrene			100	63.2		ug/L		63	55 - 125	7	25
bis (2-chloroisopropyl) ether			100	58.3		ug/L		58	45 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*50 - 120*
2-Fluorophenol (Surr)	*44*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*61*		*40 - 120*
Nitrobenzene-d5 (Surr)	*64*		*45 - 120*
Terphenyl-d14 (Surr)	*63*		*50 - 125*
Phenol-d6 (Surr)	*50*		*35 - 120*

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
1,4-Dichlorobenzene	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4,5-Trichlorophenol	ND		330	130	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4,6-Trichlorophenol	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dichlorophenol	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dimethylphenol	ND		330	100	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dinitrophenol	ND		660	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,4-Dinitrotoluene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2,6-Dinitrotoluene	ND		330	95	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Chloronaphthalene	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Chlorophenol	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Methylnaphthalene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Methylphenol	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
2-Nitrophenol	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3-Nitroaniline	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chloro-3-methylphenol	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chloroaniline	ND		330	120	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Chlorophenyl phenyl ether	ND		330	85	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
3-Methylphenol + 4-Methylphenol	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Nitroaniline	ND		830	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
4-Nitrophenol	ND		830	140	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Acenaphthene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Acenaphthylene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Aniline	ND		420	85	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Anthracene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzidine	ND		660	660	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[a]anthracene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[a]pyrene	ND		330	55	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[b]fluoranthene	ND		330	50	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[g,h,i]perylene	ND		330	110	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzo[k]fluoranthene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzoic acid	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Benzyl alcohol	ND		330	200	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-chloroethoxy)methane	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-chloroethyl)ether	ND		170	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Bis(2-ethylhexyl) phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Butyl benzyl phthalate	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Chrysene	ND		330	75	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dibenz(a,h)anthracene	ND		420	100	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dibenzofuran	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Diethyl phthalate	ND		330	95	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Dimethyl phthalate	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Di-n-butyl phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Di-n-octyl phthalate	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Fluoranthene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Fluorene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorobenzene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorobutadiene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachlorocyclopentadiene	ND		830	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Hexachloroethane	ND		330	65	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Indeno[1,2,3-cd]pyrene	ND		330	130	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Isophorone	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Naphthalene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Nitrobenzene	ND		330	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodi-n-propylamine	ND		250	70	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodiphenylamine	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Pentachlorophenol	ND		830	150	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenanthrene	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenol	ND		330	90	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		330	80	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
bis (2-chloroisopropyl) ether	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane, 2-methoxy-2-methyl-	*1190*	*T J N*	*ug/Kg*		*1.60*	*994-5-8*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Unknown	*7720*	*T J*	*ug/Kg*		*2.95*		*08/24/12 07:27*	*08/27/12 02:40*	*1*
1-Eicosanol	*299*	*T J N*	*ug/Kg*		*10.65*	*629-96-9*	*08/24/12 07:27*	*08/27/12 02:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
2-Fluorophenol (Surr)	*74*		*25 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 125*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Nitrobenzene-d5 (Surr)	*65*		*30 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Terphenyl-d14 (Surr)	*77*		*40 - 135*	*08/24/12 07:27*	*08/27/12 02:40*	*1*
Phenol-d6 (Surr)	*73*		*35 - 120*	*08/24/12 07:27*	*08/27/12 02:40*	*1*

Lab Sample ID: LCS 440-47570/2-A
Matrix: Solid
Analysis Batch: 48139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	3330	2110		ug/Kg		63	40 - 120
1,2-Dichlorobenzene	3330	2060		ug/Kg		62	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	3330	2220		ug/Kg		67	50 - 125
1,3-Dichlorobenzene	3330	2010		ug/Kg		60	35 - 120
1,4-Dichlorobenzene	3330	2060		ug/Kg		62	35 - 120
2,4,5-Trichlorophenol	3330	2560		ug/Kg		77	50 - 120
2,4,6-Trichlorophenol	3330	2470		ug/Kg		74	50 - 120
2,4-Dichlorophenol	3330	2330		ug/Kg		70	45 - 120
2,4-Dimethylphenol	3330	2230		ug/Kg		67	40 - 120
2,4-Dinitrophenol	3330	2400		ug/Kg		72	25 - 120
2,4-Dinitrotoluene	3330	2420		ug/Kg		72	55 - 125
2,6-Dinitrotoluene	3330	2300		ug/Kg		69	55 - 125
2-Chloronaphthalene	3330	2190		ug/Kg		66	45 - 120
2-Chlorophenol	3330	2300		ug/Kg		69	40 - 120
2-Methylnaphthalene	3330	2250		ug/Kg		67	45 - 120
2-Methylphenol	3330	2290		ug/Kg		69	40 - 120
2-Nitroaniline	3330	2430		ug/Kg		73	50 - 125
2-Nitrophenol	3330	2190		ug/Kg		66	45 - 120
3,3'-Dichlorobenzidine	3330	1630		ug/Kg		49	20 - 130
3-Nitroaniline	3330	1830		ug/Kg		55	35 - 120
4,6-Dinitro-2-methylphenol	3330	2500		ug/Kg		75	40 - 120
4-Bromophenyl phenyl ether	3330	2540		ug/Kg		76	45 - 120
4-Chloro-3-methylphenol	3330	2280		ug/Kg		68	50 - 125
4-Chloroaniline	3330	1200		ug/Kg		36	20 - 120
4-Chlorophenyl phenyl ether	3330	2420		ug/Kg		73	55 - 120
3-Methylphenol + 4-Methylphenol	3330	2290		ug/Kg		69	50 - 120
4-Nitroaniline	3330	2430		ug/Kg		73	45 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-47570/2-A
Matrix: Solid
Analysis Batch: 48139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	3330	2260		ug/Kg		68	40 - 125
Acenaphthene	3330	2250		ug/Kg		68	50 - 120
Acenaphthylene	3330	2400		ug/Kg		72	50 - 120
Aniline	3330	1940		ug/Kg		58	25 - 120
Anthracene	3330	2390		ug/Kg		72	55 - 120
Benzidine	3330	1580		ug/Kg		47	20 - 120
Benzo[a]anthracene	3330	2400		ug/Kg		72	55 - 120
Benzo[a]pyrene	3330	2370		ug/Kg		71	50 - 125
Benzo[b]fluoranthene	3330	2210		ug/Kg		66	45 - 125
Benzo[g,h,i]perylene	3330	2460		ug/Kg		74	35 - 130
Benzo[k]fluoranthene	3330	2490		ug/Kg		75	45 - 125
Benzoic acid	3330	1760		ug/Kg		53	20 - 120
Benzyl alcohol	3330	2160		ug/Kg		65	35 - 120
Bis(2-chloroethoxy)methane	3330	2050		ug/Kg		62	45 - 120
Bis(2-chloroethyl)ether	3330	2060		ug/Kg		62	35 - 120
Bis(2-ethylhexyl) phthalate	3330	2200		ug/Kg		66	50 - 130
Butyl benzyl phthalate	3330	2140		ug/Kg		64	50 - 125
Chrysene	3330	2250		ug/Kg		68	55 - 120
Dibenz(a,h)anthracene	3330	2550		ug/Kg		76	40 - 135
Dibenzofuran	3330	2370		ug/Kg		71	55 - 120
Diethyl phthalate	3330	2350		ug/Kg		70	50 - 125
Dimethyl phthalate	3330	2240		ug/Kg		67	50 - 125
Di-n-butyl phthalate	3330	2260		ug/Kg		68	50 - 125
Di-n-octyl phthalate	3330	2140		ug/Kg		64	50 - 135
Fluoranthene	3330	2400		ug/Kg		72	55 - 120
Fluorene	3330	2430		ug/Kg		73	55 - 120
Hexachlorobenzene	3330	2320		ug/Kg		70	50 - 120
Hexachlorobutadiene	3330	2000		ug/Kg		60	40 - 120
Hexachlorocyclopentadiene	3330	2410		ug/Kg		72	30 - 125
Hexachloroethane	3330	1910		ug/Kg		57	40 - 120
Indeno[1,2,3-cd]pyrene	3330	2390		ug/Kg		72	30 - 135
Isophorone	3330	2100		ug/Kg		63	40 - 120
Naphthalene	3330	2100		ug/Kg		63	45 - 120
Nitrobenzene	3330	2080		ug/Kg		62	45 - 120
N-Nitrosodi-n-propylamine	3330	2280		ug/Kg		68	40 - 120
N-Nitrosodiphenylamine	3330	2380		ug/Kg		71	50 - 120
Pentachlorophenol	3330	2340		ug/Kg		70	40 - 120
Phenanthrene	3330	2400		ug/Kg		72	50 - 120
Phenol	3330	2310		ug/Kg		69	40 - 120
Pyrene	3330	2340		ug/Kg		70	45 - 125
bis (2-chloroisopropyl) ether	3330	2460		ug/Kg		74	40 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 120*
2-Fluorophenol (Surr)	*68*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 125*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*
Terphenyl-d14 (Surr)	*73*		*40 - 135*
Phenol-d6 (Surr)	*69*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-A MS
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		3330	2150		ug/Kg		65	40 - 120
1,2-Dichlorobenzene	ND		3330	2100		ug/Kg		63	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2470		ug/Kg		74	50 - 125
1,3-Dichlorobenzene	ND		3330	2030		ug/Kg		61	35 - 120
1,4-Dichlorobenzene	ND		3330	2010		ug/Kg		61	35 - 120
2,4,5-Trichlorophenol	ND		3330	2760		ug/Kg		83	45 - 120
2,4,6-Trichlorophenol	ND		3330	2570		ug/Kg		77	45 - 120
2,4-Dichlorophenol	ND		3330	2500		ug/Kg		75	45 - 120
2,4-Dimethylphenol	ND		3330	2040		ug/Kg		61	30 - 120
2,4-Dinitrophenol	ND		3330	553	J F	ug/Kg		17	20 - 120
2,4-Dinitrotoluene	ND		3330	2540		ug/Kg		76	50 - 125
2,6-Dinitrotoluene	ND		3330	2570		ug/Kg		77	50 - 125
2-Chloronaphthalene	ND		3330	2290		ug/Kg		69	45 - 120
2-Chlorophenol	ND		3330	2290		ug/Kg		69	40 - 120
2-Methylnaphthalene	ND		3330	2360		ug/Kg		71	40 - 120
2-Methylphenol	ND		3330	2380		ug/Kg		71	40 - 120
2-Nitroaniline	ND		3330	2680		ug/Kg		80	45 - 120
2-Nitrophenol	ND		3330	2340		ug/Kg		70	40 - 120
3,3'-Dichlorobenzidine	ND		3330	2050		ug/Kg		62	20 - 130
3-Nitroaniline	ND		3330	2170		ug/Kg		65	30 - 120
4,6-Dinitro-2-methylphenol	ND		3330	1750		ug/Kg		52	35 - 120
4-Bromophenyl phenyl ether	ND		3330	2500		ug/Kg		75	45 - 120
4-Chloro-3-methylphenol	ND		3330	2690		ug/Kg		81	50 - 125
4-Chloroaniline	ND		3330	1820		ug/Kg		55	20 - 120
4-Chlorophenyl phenyl ether	ND		3330	2730		ug/Kg		82	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3330	2500		ug/Kg		75	50 - 120
4-Nitroaniline	ND		3330	2590		ug/Kg		78	40 - 125
4-Nitrophenol	ND		3330	2800		ug/Kg		84	35 - 125
Acenaphthene	ND		3330	2330		ug/Kg		70	45 - 120
Acenaphthylene	ND		3330	2540		ug/Kg		76	45 - 120
Aniline	ND		3330	2300		ug/Kg		69	25 - 120
Anthracene	ND		3330	2540		ug/Kg		76	55 - 120
Benzidine	ND		3330	737		ug/Kg		22	20 - 120
Benzo[a]anthracene	ND		3330	2420		ug/Kg		73	50 - 120
Benzo[a]pyrene	ND		3330	2520		ug/Kg		76	45 - 125
Benzo[b]fluoranthene	ND		3330	2590		ug/Kg		78	45 - 125
Benzo[g,h,i]perylene	ND		3330	2830		ug/Kg		85	25 - 130
Benzo[k]fluoranthene	ND		3330	2650		ug/Kg		79	45 - 125
Benzoic acid	ND		3330	319	J F	ug/Kg		10	20 - 120
Benzyl alcohol	ND		3330	2530		ug/Kg		76	20 - 120
Bis(2-chloroethoxy)methane	ND		3330	2240		ug/Kg		67	45 - 120
Bis(2-chloroethyl)ether	ND		3330	2140		ug/Kg		64	35 - 110
Bis(2-ethylhexyl) phthalate	100	J	3330	2540		ug/Kg		73	45 - 130
Butyl benzyl phthalate	ND		3330	2580		ug/Kg		78	45 - 125
Chrysene	ND		3330	2490		ug/Kg		75	55 - 120
Dibenz(a,h)anthracene	ND		3330	2800		ug/Kg		84	25 - 135
Dibenzofuran	ND		3330	2430		ug/Kg		73	50 - 120
Diethyl phthalate	ND		3330	2700		ug/Kg		81	50 - 125
Dimethyl phthalate	ND		3330	2590		ug/Kg		78	45 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-A MS
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	ND		3330	2190		ug/Kg		66	50 - 125
Di-n-octyl phthalate	ND		3330	2820		ug/Kg		85	50 - 135
Fluoranthene	ND		3330	2440		ug/Kg		73	45 - 120
Fluorene	ND		3330	2330		ug/Kg		70	50 - 120
Hexachlorobenzene	ND		3330	2530		ug/Kg		76	50 - 120
Hexachlorobutadiene	ND		3330	2110		ug/Kg		63	40 - 120
Hexachlorocyclopentadiene	ND		3330	2520		ug/Kg		76	20 - 125
Hexachloroethane	ND		3330	2100		ug/Kg		63	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2640		ug/Kg		79	20 - 130
Isophorone	ND		3330	2490		ug/Kg		75	40 - 120
Naphthalene	ND		3330	2190		ug/Kg		66	40 - 120
Nitrobenzene	ND		3330	2250		ug/Kg		68	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2560		ug/Kg		77	35 - 120
N-Nitrosodiphenylamine	ND		3330	2610		ug/Kg		78	45 - 125
Pentachlorophenol	ND		3330	2330		ug/Kg		70	30 - 120
Phenanthrene	ND		3330	2530		ug/Kg		76	50 - 120
Phenol	ND		3330	2530		ug/Kg		76	40 - 120
Pyrene	ND		3330	2560		ug/Kg		77	40 - 125
bis (2-chloroisopropyl) ether	ND		3330	2270		ug/Kg		68	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*35 - 120*
2-Fluorophenol (Surr)	*72*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 125*
Nitrobenzene-d5 (Surr)	*70*		*30 - 120*
Terphenyl-d14 (Surr)	*79*		*40 - 135*
Phenol-d6 (Surr)	*77*		*35 - 120*

Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		3330	1960		ug/Kg		59	40 - 120	9	25
1,2-Dichlorobenzene	ND		3330	1920		ug/Kg		58	40 - 120	9	25
1,2-Diphenylhydrazine(as Azobenzene)	ND		3330	2240		ug/Kg		67	50 - 125	10	25
1,3-Dichlorobenzene	ND		3330	1860		ug/Kg		56	35 - 120	9	25
1,4-Dichlorobenzene	ND		3330	1860		ug/Kg		56	35 - 120	8	25
2,4,5-Trichlorophenol	ND		3330	2530		ug/Kg		76	45 - 120	9	20
2,4,6-Trichlorophenol	ND		3330	2360		ug/Kg		71	45 - 120	8	25
2,4-Dichlorophenol	ND		3330	2260		ug/Kg		68	45 - 120	10	25
2,4-Dimethylphenol	ND		3330	1740		ug/Kg		52	30 - 120	16	25
2,4-Dinitrophenol	ND		3330	455	J F	ug/Kg		14	20 - 120	20	25
2,4-Dinitrotoluene	ND		3330	2260		ug/Kg		68	50 - 125	12	25
2,6-Dinitrotoluene	ND		3330	2400		ug/Kg		72	50 - 125	7	20
2-Chloronaphthalene	ND		3330	2080		ug/Kg		63	45 - 120	10	20
2-Chlorophenol	ND		3330	2050		ug/Kg		62	40 - 120	11	20
2-Methylnaphthalene	ND		3330	2130		ug/Kg		64	40 - 120	10	20
2-Methylphenol	ND		3330	2090		ug/Kg		63	40 - 120	13	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid
Analysis Batch: 47938

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitroaniline	ND		3330	2490		ug/Kg		75	45 - 120	7	25
2-Nitrophenol	ND		3330	2130		ug/Kg		64	40 - 120	9	25
3,3'-Dichlorobenzidine	ND		3330	1600		ug/Kg		48	20 - 130	25	25
3-Nitroaniline	ND		3330	1900		ug/Kg		57	30 - 120	13	25
4,6-Dinitro-2-methylphenol	ND		3330	1520		ug/Kg		46	35 - 120	14	25
4-Bromophenyl phenyl ether	ND		3330	2250		ug/Kg		68	45 - 120	10	20
4-Chloro-3-methylphenol	ND		3330	2440		ug/Kg		73	50 - 125	10	25
4-Chloroaniline	ND		3330	1380		ug/Kg		41	20 - 120	28	30
4-Chlorophenyl phenyl ether	ND		3330	2390		ug/Kg		72	50 - 120	13	25
3-Methylphenol + 4-Methylphenol	ND		3330	2190		ug/Kg		66	50 - 120	13	25
4-Nitroaniline	ND		3330	2350		ug/Kg		70	40 - 125	10	30
4-Nitrophenol	ND		3330	2690		ug/Kg		81	35 - 125	4	30
Acenaphthene	ND		3330	2110		ug/Kg		63	45 - 120	10	25
Acenaphthylene	ND		3330	2310		ug/Kg		69	45 - 120	10	20
Aniline	ND		3330	2010		ug/Kg		60	25 - 120	14	30
Anthracene	ND		3330	2260		ug/Kg		68	55 - 120	12	25
Benzidine	ND		3330	734		ug/Kg		22	20 - 120	0	30
Benzo[a]anthracene	ND		3330	2120		ug/Kg		64	50 - 120	13	25
Benzo[a]pyrene	ND		3330	2200		ug/Kg		66	45 - 125	14	25
Benzo[b]fluoranthene	ND		3330	2170		ug/Kg		65	45 - 125	18	30
Benzo[g,h,i]perylene	ND		3330	2540		ug/Kg		76	25 - 130	11	30
Benzo[k]fluoranthene	ND		3330	2330		ug/Kg		70	45 - 125	13	30
Benzoic acid	ND		3330	285	J F	ug/Kg		9	20 - 120	11	30
Benzyl alcohol	ND		3330	2270		ug/Kg		68	20 - 120	11	30
Bis(2-chloroethoxy)methane	ND		3330	2030		ug/Kg		61	45 - 120	10	25
Bis(2-chloroethyl)ether	ND		3330	1960		ug/Kg		59	35 - 110	8	25
Bis(2-ethylhexyl) phthalate	100	J	3330	2260		ug/Kg		65	45 - 130	12	25
Butyl benzyl phthalate	ND		3330	2290		ug/Kg		69	45 - 125	12	25
Chrysene	ND		3330	2150		ug/Kg		65	55 - 120	15	25
Dibenz(a,h)anthracene	ND		3330	2590		ug/Kg		78	25 - 135	8	30
Dibenzofuran	ND		3330	2180		ug/Kg		65	50 - 120	11	25
Diethyl phthalate	ND		3330	2430		ug/Kg		73	50 - 125	11	25
Dimethyl phthalate	ND		3330	2390		ug/Kg		72	45 - 125	8	25
Di-n-butyl phthalate	ND		3330	1970		ug/Kg		59	50 - 125	11	25
Di-n-octyl phthalate	ND		3330	2500		ug/Kg		75	50 - 135	12	25
Fluoranthene	ND		3330	2130		ug/Kg		64	45 - 120	14	25
Fluorene	ND		3330	2090		ug/Kg		63	50 - 120	11	25
Hexachlorobenzene	ND		3330	2250		ug/Kg		68	50 - 120	11	25
Hexachlorobutadiene	ND		3330	1950		ug/Kg		59	40 - 120	8	25
Hexachlorocyclopentadiene	ND		3330	2260		ug/Kg		68	20 - 125	11	30
Hexachloroethane	ND		3330	1940		ug/Kg		58	35 - 120	8	30
Indeno[1,2,3-cd]pyrene	ND		3330	2350		ug/Kg		71	20 - 130	12	30
Isophorone	ND		3330	2220		ug/Kg		67	40 - 120	11	25
Naphthalene	ND		3330	1990		ug/Kg		60	40 - 120	10	25
Nitrobenzene	ND		3330	2030		ug/Kg		61	40 - 120	10	25
N-Nitrosodi-n-propylamine	ND		3330	2370		ug/Kg		71	35 - 120	8	25
N-Nitrosodiphenylamine	ND		3330	2350		ug/Kg		71	45 - 125	10	25
Pentachlorophenol	ND		3330	2120		ug/Kg		64	30 - 120	10	25
Phenanthrene	ND		3330	2240		ug/Kg		67	50 - 120	12	25
Phenol	ND		3330	2270		ug/Kg		68	40 - 120	11	25

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-21307-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47938 — **Prep Batch: 47570**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	ND		3330	2270		ug/Kg		68	40 - 125	12	30
bis (2-chloroisopropyl) ether	ND		3330	2090		ug/Kg		63	40 - 120	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 120*
2-Fluorophenol (Surr)	*65*		*25 - 120*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 125*
Nitrobenzene-d5 (Surr)	*64*		*30 - 120*
Terphenyl-d14 (Surr)	*71*		*40 - 135*
Phenol-d6 (Surr)	*68*		*35 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-45520/4 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/15/12 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*08/15/12 15:06*	*1*

Lab Sample ID: LCS 440-45520/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1480		ug/Kg		92	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*

Lab Sample ID: LCSD 440-45520/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45520

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1520		ug/Kg		95	70 - 135	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20036-1 MS
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: SB-21-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1470	1160		ug/Kg		79	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*

Lab Sample ID: 440-20036-1 MSD
Matrix: Solid
Analysis Batch: 45520

Client Sample ID: SB-21-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*

Lab Sample ID: MB 440-45781/28
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/16/12 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/16/12 23:26*	*1*

Lab Sample ID: LCS 440-45781/27
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			800	749		ug/L		94	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*		*65 - 140*

Lab Sample ID: 440-20015-A-9 MSD
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		800	654		ug/L		82	65 - 140	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20015-B-9 MS
Matrix: Water
Analysis Batch: 45781

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		800	744		ug/L		93	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*65 - 140*

Lab Sample ID: MB 440-45841/4
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/16/12 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*65 - 140*		*08/16/12 20:45*	*1*

Lab Sample ID: LCS 440-45841/2
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)			1600	1450		ug/Kg		91	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*65 - 140*

Lab Sample ID: LCSD 440-45841/3
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1460		ug/Kg		91	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*65 - 140*

Lab Sample ID: 440-20268-E-3 MS
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1590	1280		ug/Kg		80	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20268-E-3 MSD
Matrix: Solid
Analysis Batch: 45841

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1480	1260		ug/Kg		85	60 - 140	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*

Lab Sample ID: MB 440-47717/4
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			08/24/12 18:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*		*08/24/12 18:19*	*1*

Lab Sample ID: LCS 440-47717/2
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1330		ug/Kg		83	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*65 - 140*

Lab Sample ID: LCSD 440-47717/3
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1410		ug/Kg		88	70 - 135	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*65 - 140*

Lab Sample ID: 440-21161-A-1 MS
Matrix: Solid
Analysis Batch: 47717

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1490	1270		ug/Kg		85	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-21161-A-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1480	1260		ug/Kg		86	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*65 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45525/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		0.50	0.10	mg/L		08/15/12 13:18	08/15/12 21:35	1
C23-C40	ND		0.50	0.10	mg/L		08/15/12 13:18	08/15/12 21:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*75*		*45 - 120*	*08/15/12 13:18*	*08/15/12 21:35*	*1*

Lab Sample ID: LCS 440-45525/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			1.00	0.775		mg/L		78	40 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*80*		*45 - 120*

Lab Sample ID: LCSD 440-45525/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 45425 — **Prep Batch: 45525**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28			1.00	0.756		mg/L		76	40 - 115	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*79*		*45 - 120*

Lab Sample ID: MB 440-46433/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46446 — **Prep Batch: 46433**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/20/12 08:52	08/20/12 19:06	1
C23-C40	ND		5.0	3.5	mg/Kg		08/20/12 08:52	08/20/12 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*65*		*40 - 140*	*08/20/12 08:52*	*08/20/12 19:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46433/2-A
Matrix: Solid
Analysis Batch: 46446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46433

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	16.2		mg/Kg		49	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*59*		*40 - 140*

Lab Sample ID: MB 440-47386/1-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	3.5	mg/Kg		08/23/12 12:19	08/24/12 17:59	1
C23-C40	ND		5.0	3.5	mg/Kg		08/23/12 12:19	08/24/12 17:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*67*		*40 - 140*	*08/23/12 12:19*	*08/24/12 17:59*	*1*

Lab Sample ID: LCS 440-47386/2-A
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47386

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28			33.3	25.4		mg/Kg		76	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*71*		*40 - 140*

Lab Sample ID: 440-20877-A-12-D MS
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28	ND		33.3	21.2		mg/Kg		64	40 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*58*		*40 - 140*

Lab Sample ID: 440-20877-A-12-E MSD
Matrix: Solid
Analysis Batch: 47599

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28	ND		33.3	22.8		mg/Kg		68	40 - 120	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*63*		*40 - 140*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-45897/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0	1.5	mg/Kg		08/16/12 15:44	08/16/12 22:33	10

Lab Sample ID: LCS 440-45897/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			16.0	12.6		mg/Kg		79	65 - 110		

Lab Sample ID: 280-31767-B-2-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		16.0	12.4		mg/Kg		77	55 - 110		

Lab Sample ID: 280-31767-B-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		16.0	11.8		mg/Kg		74	55 - 110	4	20

Lab Sample ID: 280-31767-B-2-E MSI — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45904 — **Prep Batch: 45897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		1440	1000		mg/Kg		70	55 - 110		

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-46306/1-A ^5 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	0.88	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Arsenic	ND		2.0	0.81	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Barium	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Beryllium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Cadmium	ND		0.50	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Chromium	ND		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Cobalt	ND		1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Copper	ND		2.0	0.38	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Lead	ND		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Nickel	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Thallium	ND		10	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Vanadium	0.701	J	1.0	0.30	mg/Kg		08/18/12 12:47	08/20/12 15:11	5
Zinc	ND		5.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:11	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-46306/1-A ^5
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.80	mg/Kg		08/18/12 12:47	08/20/12 15:11	5

Lab Sample ID: MB 440-46306/1-A ^5
Matrix: Solid
Analysis Batch: 47215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0	0.20	mg/Kg		08/18/12 12:47	08/22/12 16:48	5

Lab Sample ID: LCS 440-46306/2-A ^5
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.3	53.6		mg/Kg		109	80 - 120
Arsenic	49.3	49.9		mg/Kg		101	80 - 120
Barium	49.3	51.4		mg/Kg		104	80 - 120
Beryllium	49.3	51.1		mg/Kg		104	80 - 120
Cadmium	49.3	51.3		mg/Kg		104	80 - 120
Chromium	49.3	51.7		mg/Kg		105	80 - 120
Cobalt	49.3	51.6		mg/Kg		105	80 - 120
Copper	49.3	54.1		mg/Kg		110	80 - 120
Lead	49.3	50.6		mg/Kg		103	80 - 120
Nickel	49.3	49.6		mg/Kg		101	80 - 120
Selenium	49.3	47.4		mg/Kg		96	80 - 120
Thallium	49.3	51.0		mg/Kg		104	80 - 120
Vanadium	49.3	51.5		mg/Kg		105	80 - 120
Zinc	49.3	47.8		mg/Kg		97	80 - 120
Silver	24.6	26.0		mg/Kg		106	80 - 120

Lab Sample ID: LCS 440-46306/2-A ^5
Matrix: Solid
Analysis Batch: 47215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	49.3	48.5		mg/Kg		98	80 - 120

Lab Sample ID: 440-20036-1 MS
Matrix: Solid
Analysis Batch: 46570

Client Sample ID: SB-21-0.5
Prep Type: Total/NA
Prep Batch: 46306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.4	J	49.3	33.3	F	mg/Kg		65	75 - 125
Arsenic	3.7		49.3	56.3		mg/Kg		107	75 - 125
Barium	86		49.3	150	F	mg/Kg		130	75 - 125
Beryllium	ND		49.3	52.5		mg/Kg		106	75 - 125
Cadmium	0.48	J	49.3	58.6		mg/Kg		118	75 - 125
Chromium	11		49.3	62.0		mg/Kg		104	75 - 125
Cobalt	6.1		49.3	62.0		mg/Kg		113	75 - 125
Copper	23		49.3	79.6		mg/Kg		115	75 - 125
Lead	9.6		49.3	59.4		mg/Kg		101	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-20036-1 MS — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	9.6		49.3	63.0		mg/Kg		109	75 - 125
Selenium	ND		49.3	49.7		mg/Kg		101	75 - 125
Thallium	ND		49.3	48.3		mg/Kg		98	75 - 125
Vanadium	24		49.3	78.9		mg/Kg		112	75 - 125
Zinc	69		49.3	105	F	mg/Kg		73	75 - 125
Silver	ND		24.6	26.1		mg/Kg		106	75 - 125

Lab Sample ID: 440-20036-1 MS — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47215 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	ND		49.3	45.5		mg/Kg		92	75 - 125

Lab Sample ID: 440-20036-1 MSD — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46570 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1.4	J	49.5	33.2	F	mg/Kg		64	75 - 125	0	20
Arsenic	3.7		49.5	50.6		mg/Kg		95	75 - 125	11	20
Barium	86		49.5	116	F	mg/Kg		62	75 - 125	25	20
Beryllium	ND		49.5	48.0		mg/Kg		97	75 - 125	9	20
Cadmium	0.48	J	49.5	53.9		mg/Kg		108	75 - 125	8	20
Chromium	11		49.5	56.6		mg/Kg		93	75 - 125	9	20
Cobalt	6.1		49.5	56.4		mg/Kg		102	75 - 125	9	20
Copper	23		49.5	68.5		mg/Kg		92	75 - 125	15	20
Lead	9.6		49.5	54.4		mg/Kg		90	75 - 125	9	20
Nickel	9.6		49.5	57.6		mg/Kg		97	75 - 125	9	20
Selenium	ND		49.5	45.1		mg/Kg		91	75 - 125	10	20
Thallium	ND		49.5	45.1		mg/Kg		91	75 - 125	7	20
Vanadium	24		49.5	68.3		mg/Kg		90	75 - 125	14	20
Zinc	69		49.5	105	F	mg/Kg		71	75 - 125	0	20
Silver	ND		24.8	24.2		mg/Kg		98	75 - 125	7	20

Lab Sample ID: 440-20036-1 MSD — **Client Sample ID: SB-21-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 47215 — **Prep Batch: 46306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	ND		49.5	44.6		mg/Kg		90	75 - 125	2	20

Lab Sample ID: MB 440-45063/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 45739 — **Prep Batch: 45116**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Arsenic	0.00713	J	0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Barium	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1
Beryllium	ND		0.0040	0.00090	mg/L		08/14/12 07:59	08/15/12 21:41	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-45063/1-C | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Chromium	ND		0.0050	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Cobalt	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Copper	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:41	1
Lead	ND		0.0050	0.0040	mg/L		08/14/12 07:59	08/15/12 21:41	1
Molybdenum	ND		0.020	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Nickel	ND		0.010	0.0020	mg/L		08/14/12 07:59	08/15/12 21:41	1
Selenium	ND		0.010	0.0080	mg/L		08/14/12 07:59	08/15/12 21:41	1
Thallium	ND		0.010	0.0070	mg/L		08/14/12 07:59	08/15/12 21:41	1
Vanadium	ND		0.010	0.0030	mg/L		08/14/12 07:59	08/15/12 21:41	1
Zinc	ND		0.020	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1
Silver	ND		0.010	0.0060	mg/L		08/14/12 07:59	08/15/12 21:41	1

Lab Sample ID: LCS 440-45063/2-C | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	1.11		mg/L		111	80 - 120
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	1.00	1.07		mg/L		107	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Cobalt	1.00	1.04		mg/L		104	80 - 120
Copper	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	1.08		mg/L		108	80 - 120
Molybdenum	1.00	0.934		mg/L		93	80 - 120
Nickel	1.00	1.04		mg/L		104	80 - 120
Selenium	1.00	0.997		mg/L		100	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	1.00	1.02		mg/L		102	80 - 120
Zinc	1.00	1.00		mg/L		100	80 - 120
Silver	0.500	0.494		mg/L		99	80 - 120

Lab Sample ID: 440-20036-14 MS | **Client Sample ID: EB-081012**
Matrix: Water | **Prep Type: Dissolved**
Analysis Batch: 45739 | **Prep Batch: 45116**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		1.00	1.12		mg/L		112	75 - 125
Arsenic	ND		1.00	1.09		mg/L		108	75 - 125
Barium	ND		1.00	1.05		mg/L		105	75 - 125
Beryllium	ND		1.00	1.09		mg/L		109	75 - 125
Cadmium	ND		1.00	1.03		mg/L		103	75 - 125
Chromium	ND		1.00	1.05		mg/L		105	75 - 125
Cobalt	ND		1.00	1.05		mg/L		105	75 - 125
Copper	ND		1.00	1.04		mg/L		104	75 - 125
Lead	ND		1.00	1.09		mg/L		109	75 - 125
Molybdenum	ND		1.00	0.951		mg/L		95	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-20036-14 MS
Matrix: Water
Analysis Batch: 45739

Client Sample ID: EB-081012
Prep Type: Dissolved
Prep Batch: 45116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nickel	ND		1.00	1.05		mg/L		105	75 - 125		
Selenium	ND		1.00	1.01		mg/L		100	75 - 125		
Thallium	ND		1.00	1.06		mg/L		106	75 - 125		
Vanadium	ND		1.00	1.04		mg/L		104	75 - 125		
Zinc	ND		1.00	1.03		mg/L		103	75 - 125		
Silver	ND		0.500	0.502		mg/L		100	75 - 125		

Lab Sample ID: 440-20036-14 MSD
Matrix: Water
Analysis Batch: 45739

Client Sample ID: EB-081012
Prep Type: Dissolved
Prep Batch: 45116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		1.00	1.10		mg/L		110	75 - 125	2	20
Arsenic	ND		1.00	1.07		mg/L		106	75 - 125	2	20
Barium	ND		1.00	1.04		mg/L		104	75 - 125	1	20
Beryllium	ND		1.00	1.07		mg/L		107	75 - 125	2	20
Cadmium	ND		1.00	1.02		mg/L		102	75 - 125	1	20
Chromium	ND		1.00	1.04		mg/L		104	75 - 125	2	20
Cobalt	ND		1.00	1.03		mg/L		103	75 - 125	2	20
Copper	ND		1.00	1.03		mg/L		103	75 - 125	1	20
Lead	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Molybdenum	ND		1.00	0.943		mg/L		94	75 - 125	1	20
Nickel	ND		1.00	1.04		mg/L		104	75 - 125	1	20
Selenium	ND		1.00	0.990		mg/L		98	75 - 125	2	20
Thallium	ND		1.00	1.05		mg/L		105	75 - 125	1	20
Vanadium	ND		1.00	1.02		mg/L		102	75 - 125	2	20
Zinc	ND		1.00	1.01		mg/L		101	75 - 125	2	20
Silver	ND		0.500	0.496		mg/L		99	75 - 125	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 440-44700/3
Matrix: Water
Analysis Batch: 44700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.025	0.0050	mg/L			08/11/12 00:36	1

Lab Sample ID: LCS 440-44700/4
Matrix: Water
Analysis Batch: 44700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			0.100	0.105		mg/L		105	90 - 110		

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 440-20036-14 MS
Matrix: Water
Analysis Batch: 44700

Client Sample ID: EB-081012
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		0.300	0.319		mg/L		106	85 - 115		

Lab Sample ID: 440-20036-14 MSD
Matrix: Water
Analysis Batch: 44700

Client Sample ID: EB-081012
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		0.300	0.314		mg/L		105	85 - 115	2	20

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Prep Batch: 44894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	3546	
440-20036-2	SB-21-3	Total/NA	Solid	3546	
440-20036-6	SB-22-0.5	Total/NA	Solid	3546	
440-20036-7	SB-22-3	Total/NA	Solid	3546	
440-20036-7 MS	SB-22-3	Total/NA	Solid	3546	
440-20036-7 MSD	SB-22-3	Total/NA	Solid	3546	
440-20036-8	SB-20-0.5	Total/NA	Solid	3546	
440-20036-10	SB-20-3	Total/NA	Solid	3546	
440-20036-12	Dup-1	Total/NA	Solid	3546	
440-20036-13	Dup-2	Total/NA	Solid	3546	
LCS 440-44894/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-44894/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 45705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8270C	44894
440-20036-2	SB-21-3	Total/NA	Solid	8270C	44894
440-20036-6	SB-22-0.5	Total/NA	Solid	8270C	44894
440-20036-7	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-7 MS	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-7 MSD	SB-22-3	Total/NA	Solid	8270C	44894
440-20036-8	SB-20-0.5	Total/NA	Solid	8270C	44894
440-20036-10	SB-20-3	Total/NA	Solid	8270C	44894
440-20036-12	Dup-1	Total/NA	Solid	8270C	44894
440-20036-13	Dup-2	Total/NA	Solid	8270C	44894
LCS 440-44894/2-A	Lab Control Sample	Total/NA	Solid	8270C	44894
MB 440-44894/1-A	Method Blank	Total/NA	Solid	8270C	44894

Prep Batch: 45901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	3520C	
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-45901/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 46371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	8270C	45901
LCS 440-45901/2-A	Lab Control Sample	Total/NA	Water	8270C	45901
LCSD 440-45901/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	45901
MB 440-45901/1-A	Method Blank	Total/NA	Water	8270C	45901

Prep Batch: 47570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	3546	
440-21307-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-21307-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
LCS 440-47570/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-47570/1-A	Method Blank	Total/NA	Solid	3546	

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Analysis Batch: 47938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8270C	47570
440-21307-A-1-A MS	Matrix Spike	Total/NA	Solid	8270C	47570
440-21307-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	47570
MB 440-47570/1-A	Method Blank	Total/NA	Solid	8270C	47570

Analysis Batch: 48139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-47570/2-A	Lab Control Sample	Total/NA	Solid	8270C	47570

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Analysis Batch: 45520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	8015B	
440-20036-2	SB-21-3	Total/NA	Solid	8015B	
440-20036-6	SB-22-0.5	Total/NA	Solid	8015B	
440-20036-7	SB-22-3	Total/NA	Solid	8015B	
440-20036-8	SB-20-0.5	Total/NA	Solid	8015B	
440-20036-12	Dup-1	Total/NA	Solid	8015B	
LCS 440-45520/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45520/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45520/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 45781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20015-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	
440-20015-B-9 MS	Matrix Spike	Total/NA	Water	8015B	
440-20036-14	EB-081012	Total/NA	Water	8015B	
LCS 440-45781/27	Lab Control Sample	Total/NA	Water	8015B	
MB 440-45781/28	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 45841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-10	SB-20-3	Total/NA	Solid	8015B	
440-20036-13	Dup-2	Total/NA	Solid	8015B	
440-20268-E-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-20268-E-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-45841/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-45841/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-45841/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 47717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8015B	
440-21161-A-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-21161-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-47717/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-47717/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-47717/4	Method Blank	Total/NA	Solid	8015B	

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Prep Batch: 45421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	CA LUFT	
440-20036-2	SB-21-3	Total/NA	Solid	CA LUFT	
440-20036-6	SB-22-0.5	Total/NA	Solid	CA LUFT	
440-20036-7	SB-22-3	Total/NA	Solid	CA LUFT	
440-20036-8	SB-20-0.5	Total/NA	Solid	CA LUFT	
440-20036-10	SB-20-3	Total/NA	Solid	CA LUFT	
440-20036-12	Dup-1	Total/NA	Solid	CA LUFT	

Analysis Batch: 45425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	8015B	45525
LCS 440-45525/2-A	Lab Control Sample	Total/NA	Water	8015B	45525
LCSD 440-45525/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	45525
MB 440-45525/1-A	Method Blank	Total/NA	Water	8015B	45525

Prep Batch: 45525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	3510C	
LCS 440-45525/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-45525/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-45525/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 46023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	8015B	45421
440-20036-2	SB-21-3	Total/NA	Solid	8015B	45421
440-20036-6	SB-22-0.5	Total/NA	Solid	8015B	45421
440-20036-7	SB-22-3	Total/NA	Solid	8015B	45421
440-20036-8	SB-20-0.5	Total/NA	Solid	8015B	45421
440-20036-10	SB-20-3	Total/NA	Solid	8015B	45421
440-20036-12	Dup-1	Total/NA	Solid	8015B	45421

Prep Batch: 46433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	CA LUFT	
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-46433/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 46446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	8015B	46433
MB 440-46433/1-A	Method Blank	Total/NA	Solid	8015B	46433

Analysis Batch: 46773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	8015B	46433

Prep Batch: 47386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	CA LUFT	
440-20877-A-12-D MS	Matrix Spike	Total/NA	Solid	CA LUFT	
440-20877-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	CA LUFT	

GC Semi VOA (Continued)

Prep Batch: 47386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-47386/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-47386/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 47599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20877-A-12-D MS	Matrix Spike	Total/NA	Solid	8015B	47386
440-20877-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	47386
LCS 440-47386/2-A	Lab Control Sample	Total/NA	Solid	8015B	47386
MB 440-47386/1-A	Method Blank	Total/NA	Solid	8015B	47386

Analysis Batch: 47884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-11	SB-20-5	Total/NA	Solid	8015B	47386

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Prep Batch: 45897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-31767-B-2-C MS	Matrix Spike	Total/NA	Solid	3060A	
280-31767-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3060A	
280-31767-B-2-E MSI	Matrix Spike	Total/NA	Solid	3060A	
440-20036-1	SB-21-0.5	Total/NA	Solid	3060A	
440-20036-2	SB-21-3	Total/NA	Solid	3060A	
440-20036-6	SB-22-0.5	Total/NA	Solid	3060A	
440-20036-7	SB-22-3	Total/NA	Solid	3060A	
440-20036-8	SB-20-0.5	Total/NA	Solid	3060A	
440-20036-10	SB-20-3	Total/NA	Solid	3060A	
440-20036-12	Dup-1	Total/NA	Solid	3060A	
440-20036-13	Dup-2	Total/NA	Solid	3060A	
LCS 440-45897/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 440-45897/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 45904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-31767-B-2-C MS	Matrix Spike	Total/NA	Solid	7199	45897
280-31767-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7199	45897
280-31767-B-2-E MSI	Matrix Spike	Total/NA	Solid	7199	45897
LCS 440-45897/2-A	Lab Control Sample	Total/NA	Solid	7199	45897
MB 440-45897/1-A	Method Blank	Total/NA	Solid	7199	45897

Analysis Batch: 46017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	7199	45897
440-20036-2	SB-21-3	Total/NA	Solid	7199	45897
440-20036-6	SB-22-0.5	Total/NA	Solid	7199	45897
440-20036-7	SB-22-3	Total/NA	Solid	7199	45897
440-20036-8	SB-20-0.5	Total/NA	Solid	7199	45897
440-20036-10	SB-20-3	Total/NA	Solid	7199	45897
440-20036-12	Dup-1	Total/NA	Solid	7199	45897
440-20036-13	Dup-2	Total/NA	Solid	7199	45897

Metals

Prep Batch: 45116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	3005A	
440-20036-14 MS	EB-081012	Dissolved	Water	3005A	
440-20036-14 MSD	EB-081012	Dissolved	Water	3005A	
LCS 440-45063/2-C	Lab Control Sample	Dissolved	Water	3005A	
MB 440-45063/1-C	Method Blank	Dissolved	Water	3005A	

Analysis Batch: 45739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	6010B	45116
440-20036-14 MS	EB-081012	Dissolved	Water	6010B	45116
440-20036-14 MSD	EB-081012	Dissolved	Water	6010B	45116
LCS 440-45063/2-C	Lab Control Sample	Dissolved	Water	6010B	45116
MB 440-45063/1-C	Method Blank	Dissolved	Water	6010B	45116

Prep Batch: 46306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	3050B	
440-20036-2	SB-21-3	Total/NA	Solid	3050B	
440-20036-6	SB-22-0.5	Total/NA	Solid	3050B	
440-20036-7	SB-22-3	Total/NA	Solid	3050B	
440-20036-8	SB-20-0.5	Total/NA	Solid	3050B	
440-20036-10	SB-20-3	Total/NA	Solid	3050B	
440-20036-12	Dup-1	Total/NA	Solid	3050B	
440-20036-13	Dup-2	Total/NA	Solid	3050B	
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 46570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-2	SB-21-3	Total/NA	Solid	6010B	46306
440-20036-6	SB-22-0.5	Total/NA	Solid	6010B	46306
440-20036-7	SB-22-3	Total/NA	Solid	6010B	46306
440-20036-8	SB-20-0.5	Total/NA	Solid	6010B	46306
440-20036-10	SB-20-3	Total/NA	Solid	6010B	46306
440-20036-12	Dup-1	Total/NA	Solid	6010B	46306
440-20036-13	Dup-2	Total/NA	Solid	6010B	46306
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	46306
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	6010B	46306

Analysis Batch: 47199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Dissolved	Water	6010B	45116

Analysis Batch: 47215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-1 MS	SB-21-0.5	Total/NA	Solid	6010B	46306

Metals (Continued)

Analysis Batch: 47215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-1 MSD	SB-21-0.5	Total/NA	Solid	6010B	46306
440-20036-2	SB-21-3	Total/NA	Solid	6010B	46306
440-20036-6	SB-22-0.5	Total/NA	Solid	6010B	46306
440-20036-7	SB-22-3	Total/NA	Solid	6010B	46306
440-20036-8	SB-20-0.5	Total/NA	Solid	6010B	46306
440-20036-10	SB-20-3	Total/NA	Solid	6010B	46306
440-20036-12	Dup-1	Total/NA	Solid	6010B	46306
440-20036-13	Dup-2	Total/NA	Solid	6010B	46306
LCS 440-46306/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	46306
MB 440-46306/1-A ^5	Method Blank	Total/NA	Solid	6010B	46306

General Chemistry

Analysis Batch: 44700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20036-14	EB-081012	Total/NA	Water	7196A	
440-20036-14 MS	EB-081012	Total/NA	Water	7196A	
440-20036-14 MSD	EB-081012	Total/NA	Water	7196A	
LCS 440-44700/4	Lab Control Sample	Total/NA	Water	7196A	
MB 440-44700/3	Method Blank	Total/NA	Water	7196A	

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: MWH Americas Inc
Project/Site: GE duarte

TestAmerica Job ID: 440-20036-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/10/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	1 of 2 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below ____			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler: Joan Dolmat
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)	Sample Specific Notes:
SB-21-0.5	8/9/12	1602	REG	SOIL	1		X	X	X	X	X		
SB-21-3	8/9/12	1628		SOIL	1		X	X	X	X	X		
SB-21-5	8/10/12	0742		SOIL	1								Hold
SB-21-10	8/10/12	0813		SOIL	1								Hold
SB-26-5	8/10/12	0910		SOIL	1								Hold
SB-22-0.5	8/10/12	0944		SOIL	1		X	X	X	X	X		
SB-22-3	8/10/12	1122		SOIL	1		X	X	X	X	X		
SB-20-0.5	8/10/12	1310		SOIL	1		X	X	X	X	X		
SB-22-5	8/10/12	1457		SOIL	1								Hold
SB-20-3	8/10/12	1502		SOIL	1		X	X	X	X	X		
SB-20-5	8/10/12	1520		SOIL	1								Hold
Dup-1	8/10/12	—	FD	SOIL	1		X	X	X	X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/10/12 1537		TAI	8/10/12 1537
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	8/10/12 1710		TAI	08/10/12 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

8/30/2012

4-8-C

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Flaugher	Site Contact: Joan Dolmat	Date: 8/10/12	COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	Lab Contact: Jonathan Bousselaire	Carrier:	2 of 2 COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar (C) or Work Days (W) 10			
626-568-6671 Phone	TAT if different from Below ____			SDG No.
626-568-6515 FAX	☐ 2 weeks			
Project Name: GE Duarte	☐ 1 week			Sampler: Joan Dolmat
Site:1700 Business Center Drive, Duarte, CA	☐ 2 days			
P O # 10501103.010103	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Default 8270C Semivolatiles+Tics	TPH C4-C12 (8015B)	TPH C13-C22/C23-C40 (8015B)	CAM List-Metals (6010B)	Chromium, Hexavalent (IC) (7199)	Chromium, Hexavalent (7169A)
Dup-2	8/10/12	—	FD	Soil	1		X	X	X	X	X	
EB-081012	8/10/12	1528	QCEB	AQ	7		X	X	X	X		X

DNO 8/10/12

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Joan Dolmat	MWH	8/10/12 1577		TAI	8/10/12 15-37
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
TAI	TAI	8/10/12 17:10		TAI	08/10/12 17:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

4.8.-

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 440-20036-1

Login Number: 20036

List Source: TestAmerica Irvine

List Number: 1

Creator: Perez, Angel

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Joan Dolvent
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

APPENDIX G3
NFA Letter for GE Aviation 1700 Business Center Drive

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Miriam Barcellona Ingenito
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Edmund G. Brown Jr.
Governor

August 5, 2014

Ms. Lisa A. Hamilton
General Electric Aviation Company
640 Freedom Business Center
King of Prussia, Pennsylvania 19406

CLARIFICATION TO NO FURTHER ACTION FOR FORMER GE AVIATION COMPANY, 1700 BUSINESS CENTER DRIVE, DUARTE, CALIFORNIA 91010, EPA ID NUMBER: CAD008503112

Dear Ms. Hamilton:

This letter is to clarify the Department of Toxic Substances Control (DTSC) letter sent on July 17, 2014 regarding the No Further Action (NFA) determination of the East Dock Soil Investigation and Removal Report (the Report), 1700 Business Center Drive, Duarte, California, dated October, 2013 prepared for General Electric Aviation.

In addition to the Tributylphosphate (TBP) meeting the screening levels, the residual levels of Total Petroleum Hydrocarbons (TPH) after excavation and analysis of confirmatory samples also show acceptable levels for unrestricted use.

If you have any questions or concerns, please contact me at (818) 717-6605 e-mail narine.aghakiant@dtsc.ca.gov.

Sincerely,

Narine Aghakiant
Environmental Scientist
Brownfields and Environmental Restoration Program – Chatsworth Office

cc: see next page

cc: Mr. Allan Plaza, P.E.,
Unit Chief
Brownfields and Environmental Restoration Program
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Mr. John Naginis
Senior Geologist
Brownfields and Environmental Restoration Program
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Mr. Patrick Kerzic, PhD DABT
Staff Toxicologist
Office of Human and Ecological Risk
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Miriam Barcellona Ingenito
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Edmund G. Brown Jr.
Governor

July 17, 2014

Ms. Lisa A. Hamilton
General Electric Aviation Company
640 Freedom Business Center
King of Prussia, Pennsylvania 19406

NO FURTHER ACTION FOR FORMER GE AVIATION COMPANY, 1700 BUSINESS CENTER DRIVE, DUARTE, CALIFORNIA 91010, EPA ID NUMBER: CAD008503112

Dear Ms. Hamilton:

The Department of Toxic Substances Control (DTSC) has reviewed the East Dock Soil Investigation and Removal Report, 1700 Business Center Drive, Duarte, California, dated October, 2013 prepared for General Electric Aviation. The Report documents the excavation of soil with elevated concentration of Tributylphosphate (TBP) and the confirmation samples collected at the base of excavations to demonstrate that soil with elevated concentrations has been removed. A No Further Action (NFA) determination is requested in the Report.

Based on the sample locations and sample results it appears that soil with elevated concentrations of TBP has been removed by the exploratory excavations conducted in and around the East Dock portion of the Facility.

Confirmation samples collected from soil left in place after the excavations have TBP concentrations below EPA residential screening level of 54,000 ug/kg. Since the TBP concentrations are below the screening level, DTSC concurs with the Report request for a NFA determination.

If you have any questions or concerns, please contact me at (818) 717-6605 e-mail narine.aghakiant@dtsc.ca.gov.

Sincerely,

Narine Aghakiant
Environmental Scientist
Brownfields and Environmental Restoration Program – Chatsworth Office

cc: Mr. Allan Plaza, P.E.,
Unit Chief
Brownfields and Environmental Restoration Program
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Mr. John Naginis
Senior Geologist
Brownfields and Environmental Restoration Program
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Mr. Patrick Kerzic, PhD DABT
Staff Toxicologist
Office of Human and Ecological Risk
Department Of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

APPENDIX G4
2018 Phase I ESA for Woodward 1700 Business Center Drive

Phase I Environmental Site Assessment

Former Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

June 2018



Prepared for:

WOODWARD

Woodward, Inc.
1000 East Drake Road
Fort Collins, CO 80525-1824

Prepared by:

Catalyst
ENVIRONMENTAL SOLUTIONS

Catalyst Environmental Solutions
315 Montana Avenue, Suite 311
Santa Monica, CA 90403
Tel 805 844 0205
www.ce.solutions

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Table of Contents

Figures

Appendices

Acronyms

APN	Assessor's Parcel Number
ASTM	American Society for Testing and Materials
CREC	Controlled Recognized Environmental Condition
DMC	De Minimis Condition
DOGGR	Division of Oil, Gas, & Geothermal Resources
EDR	Environmental Data Resources Inc.
ESA	Environmental Site Assessment
HREC	Historic Recognized Environmental Condition
PCB	Polychlorinated Biphenyl
REC	Recognized Environmental Condition
USEPA	United States Environmental Protection Agency
SWRCB	California State Water Resource Control Board
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Carbon

SIGNATURE AND ENVIRONMENTAL PROFESSIONAL STATEMENT

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

Justin Campbell, REPA
Director of Environmental Remediation and Restoration

David (Chip) Blankenhorn, PG
Director of Client Services

EXECUTIVE SUMMARY

On behalf of Woodward, Inc. (Woodward), Catalyst Environmental Solutions Corporation (Catalyst) has prepared a Phase I Environmental Site Assessment (ESA) for the Woodward facility located at 1700 Business Center Drive in Duarte, California (Subject Property) (Figure 1). This Phase I ESA has been prepared in accordance with the American Society for Testing and Materials (ASTM) International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-13 (the "ASTM Standard"). The following provides a description of the Subject Property and a summary of the Phase I ESA findings. The findings are based on the information obtained from the site reconnaissance survey conducted on April 5, 2018, interviews with personnel familiar with the Subject Property, regulatory agency information, and an environmental database search by Environmental Data Resources Inc. (EDR).

The Subject Property is situated in the San Gabriel Valley near the intersection of Interstate 210 and Interstate 605. The property may be accessed from the east via Highland Avenue or from the north via Business Center Drive. According to the Los Angeles County Assessor's Office, the Subject Property covers one parcel, Los Angeles County assessor's parcel number (AIN) 8528-011-025. The property is comprised of an approximately 9-acre parcel that includes a two-story office building at the north end of the property (approximately 11,000-square feet) that is connected to a one-story, approximately 106,000-square foot manufacturing facility surrounded by asphalt-paved parking (Figure 2). The Subject Property was developed in 1964 and has been used for manufacturing hydraulic actuation systems since that time. Operations include the design, development, and manufacturing (including machining, cleaning, and assembly) of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems. The Subject Property is owned by Woodward, Inc., who acquired the property from General Electric Aviation Systems in December 2012.

The Subject Property is located in a mixed-use commercial and residential area. The property is bordered to the north by Business Center Drive, commercial businesses, and residential properties; to the south by the Highland Industrial Center; to the east by Highland Avenue and a business park that includes several commercial businesses; and, to the west by residential properties. No gasoline service stations or dry cleaners were observed in the immediate vicinity (approximately 500 feet) of the Subject Property.

The Subject Property is situated at an elevation of approximately 486 feet above mean sea level within the San Gabriel Valley, which is bounded by the San Gabriel Mountains to the north, and the Repetto, Merced, and Puente Hills to the south and west. The Subject Property is generally flat with a slight slope to the west. The subsurface lithology encountered during prior site investigation activities conducted at the Subject Property consisted of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles to 150 feet below ground surface, the maximum depth explored (MWH 2013). The nearest surface water body and wetland area to the Subject Property is the Santa Fe Dam Spillway which is located approximately 500 feet to the south. Regional surface drainage at the Subject Property is towards the southwest. The Subject Property is situated in a FEMA "Flood Zone X" which is characterized as an "area with minimal flood hazard". No wetlands were observed on the Subject Property or its immediate vicinity. Depth-to-groundwater at the Subject Property is not known, but, based on groundwater elevations at properties in the vicinity, it is estimated to be at least 150 feet

below ground surface (MWH 2013). Groundwater flow direction at the site is not known but is assumed to be south toward the San Gabriel River.

The Subject Property was identified in several compliance and release-related environmental databases. Compliance-related listings are not indicative of a release at the Subject Property, and release-related listings indicating an actual or potential release were reviewed for potential impacts to the Subject Property. Incidents related to these database listings, which are considered recognized environmental conditions (RECs) or historical RECs (HRECs), are discussed further below.

A number of surrounding sites were identified in the environmental database search report. Based on their distance (generally greater than 500 feet), regulatory status (i.e., regulatory closure, no violations found), media impacted (soil only), and/or topographical position relative to the Subject Property (i.e. downgradient or crossgradient), these listings do not present a REC to the Subject Property.

Based on the above, the following RECs were identified during this assessment:

- **Former USTs** – two, waste oil USTs were reportedly removed from the Subject Property in December 1985. No records of the UST removal activities have been identified. Accordingly, the potential impacts associated with these former USTs are unknown. The results of the soil gas survey conducted in June 1997 (Daly Environmental Services 1997) indicated elevated levels of PCE in the vicinity of the former 2,000-gallon UST. During the 2011 Phase II Environmental Site Assessment, one soil boring (SB-19) was installed approximately 20-25 feet east of the former 2,000-gallon UST. The soil sample results from this boring did not indicate elevated levels of VOCs. However, the soil samples were not analyzed for total petroleum hydrocarbons (TPH) which, given the significant use of Skydrol and other oils at the site, is important to assess. In addition, given the coarse subsurface lithology at the site, potential releases would have a strong vertical migration component so, based on its location, any impacts associated with a release from the former 2,000-gallon UST may not have been encountered in this boring. This issue is identified as a REC given the lack of information regarding the UST removal and the results of the soil gas survey which indicate the potential for subsurface impacts associated with the USTs.
- **Trench drain in the pump room area (East Dock)** – the trench drain collects overflow and leaking oil from the pumping system. The results of the soil gas survey conducted in June 1997 (Daly Environmental Services 1997) indicated detectable levels of PCE and Freon 113 in the vicinity of the trench drain. This issue is identified as a REC given the documented impacts in soil gas from the 1997 soil gas survey and the potential for subsurface impacts associated with the significant staining and cracks in the concrete surrounding the drain.
- **Former drainage infrastructure** - in the past, it appears that wash water from the production area was captured in floor drains and directed to holding tanks (likely the former USTs). During the site visit, neither the floor drain system, nor the holding tanks were observed. Per Woodward personnel, the floor drains system and the holding tanks had been previously removed; however, no specific information regarding the removal was available. This issue is identified as a REC given the lack of information on the current status of the drains and the potential for subsurface impacts associated with leakage through cracks, joints, and connections in the drainage infrastructure.

- **Asbestos Containing Materials** – ACMs were reportedly removed from pipe insulation in air handler rooms and floor tile in early 2006 (ERM 2006). No documentation of the ACM removal was found during the preparation of this Phase I ESA. In addition, an assessment of suspected ACMs was conducted throughout the site in 2007. The assessment included the collection of 74 bulk samples of various materials including floor tiles and associated mastic, ceiling panels and tiles, pipe-fitting insulation, plaster, gypsum board and joint compound, and texture coating on metal siding. The assessment results indicated the presence of asbestos in the following materials:
    - 12"x12" cream/ rust floor tile;
    - Pipe fitting insulation (large pipes);
    - Pipe fitting insulation (small pipes);
    - Texture coating on exterior metal siding;
    - Joint compound applied on gypsum board;
    - Sprayed-applied acoustic ceiling material;
    - Roofing material under foam (presume asbestos-containing material); and,
    - Cementitious pipe (transite).

  This issue has been identified as a REC given the identified presence of ACMs at the Subject Property.
- **Transformers** – Three transformers are located in the southeast corner of the facility. Visible staining was observed on the sides of the transformers. The transformers were not labelled as to PCB content, and no PCB testing has reportedly been conducted on the transformers. This issue is identified as a REC given the lack of information regarding the transformers and potential for leakage of PCB-containing fluids to impact the subsurface.

The following HRECs were identified:

- Soil impacted with elevated concentrations of petroleum hydrocarbons and tributyl phosphate was discovered in the East Dock area of the Subject Property in July 2012. MWH Americas, Inc. subsequently conducted a soil investigation in August 2012 (MWH 2012). The results indicated concentrations of petroleum hydrocarbons and tributyl phosphate above applicable cleanup criteria. Accordingly, in November 2012, MWH Americas excavated approximately 50 cubic yards of impacted soil and conducted additional site assessment activities in February and March 2013 (MWH 2013). The results of the soil removal and additional investigation were used to support a request for closure which was subsequently approved by the California Department of Toxic Substances Control as indicated in their "No Further Action" letter dated July 17, 2014.

The following *de minimis* conditions were identified:

- Surficial staining was observed in various areas across the Subject Property including the manufacturing and production area, East Dock, West Dock, and by the HVAC room. Given the localized nature of the observed staining, Catalyst considers it a *de minimis* condition.

- Secondary containment of the West Dock holds metal debris and leaked oils from the platform above. The above platform contains a roll-off bin, hazardous materials, hazardous waste, and other solvents and fluids. As such, there is potential for infiltration through the cement floor or overflow of the concrete berms. Given the localized nature of the staining, Catalyst considers it a *de minimis* condition.
- Hazardous materials room located on the West Dock has no secondary containment. As such, there is the possibility for stored waste to move into the environment through leaks or spills. Given that there is no documentation or record of significant spills, Catalyst considers it a *de minimis* condition.
- Condensate from the cooling tower near the HVAC room appears to discharge directly to the sanitary sewer system as well as to the surrounding ground surface. If contaminants are present in the condensate and/or spills or leaks occur in the vicinity of the cooling tower, then there could be discharge to the sanitary sewer system. However, given that there are no documented contaminants in the condensate or documentation/record of significant spills in this area, Catalyst considers it a *de minimis* condition.

SECTION 1

Introduction

1.1 PURPOSE

Catalyst Environmental Solutions (Catalyst) was retained by Woodward, Inc. to conduct a Phase I Environmental Site Assessment (ESA) of the Subject Property located at 1700 Business Center Drive in Duarte, California (Subject Property) (Figure 1). The purpose of this Phase I ESA is to provide the client with information for use in evaluating recognized environmental conditions (RECs) associated with the Subject Property. Per ASTM Standard E1527-13, potential findings can include RECs, including historical RECs (HRECs), controlled RECs (CRECs), and de minimis conditions (DMCs). A REC is defined by the ASTM standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term includes hazardous substances or petroleum products even under conditions in compliance with laws. HRECs are 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. CRECs are a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. DMCs are those situations that do not present a material risk of harm to public health or the environment and generally would not be subject to enforcement action if brought to the attention of the regulating authority.

This assessment is based on information obtained from the site reconnaissance survey conducted on April 5, 2018, interviews with personnel familiar with the Subject Property, regulatory agency information, and an environmental database search by Environmental Data Resources Inc. (EDR).

1.2 SCOPE OF THE ASSESSMENT

In accordance with the ASTM Standard, the scope of work involved the following:

- A site visit conducted by Clint Olesen and Charlie Piechowski of Catalyst on April 5, 2018. The objective of the site visit was to observe site features and to identify the uses and conditions specified in the ASTM Standard. In addition, Catalyst observed the adjoining properties from the Subject Property and adjacent public thoroughfares. Catalyst was unable to directly take photographs of the Subject Property for security reasons; however, Daniel Saldana of Woodward captured the necessary photographs at the direction of Catalyst staff. Woodward subsequently compiled these photographs and provided to Catalyst as presented in Appendix A.
- Interviews of the following Woodward staff: Daniel Saldana (Environmental Health and Safety Specialist); John Bragg (Director of Operations); Sal Gutierrez (Facilities Manager); and, Aromake Afiegbe (Director, Global Environmental Health and Safety). These personnel were identified by

Woodward as having good knowledge of the uses and physical characteristics of the Subject Property.

- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
    - A radius report prepared by Environmental Data Resources, Inc. (EDR, see Appendix B), which presents the results of searches of federal and state databases for the Subject Property, as well as nearby properties. The radius search for each database, as well as the databases themselves, was selected in accordance with the ASTM Standard.
    - California State Water Resources Control Board (SWRCB) GeoTracker database, which provides information on sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker contains records for sites that require cleanup, such as Leaking Underground Storage Tank (LUST) Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites.
    - California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) well finder database, which provides information on oil and gas wells in the State of California.
- A review of standard historical sources and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
    - Readily available historical sources, including (where available) historical aerial photographs (Appendix C), topographic maps (Appendix D), and Sanborn maps (none were available for the Subject Property) to develop a history of the previous uses of the Subject Property and surrounding area.
    - An interview with representatives of Woodward regarding current and former operations and potential releases of contaminants to the environment (Appendix E).
- A review of physical setting sources, as defined in the ASTM Standard, including:
    - The current United States Geological Survey (USGS) 7.5-minute topographic map that shows the area on which the site is located.
    - Geologic, hydrogeologic, or hydrologic sources as provided in the EDR Report and other reference documents.
- A review of documents provided to Catalyst by facility personnel, including environmental permits, correspondence with regulatory agencies, and facility-prepared plans and procedures.

This assessment was conducted in accordance with the methodology specified in ASTM Standard E1527-13, as specified in our proposal dated March 19, 2018.

1.3 STUDY LIMITATIONS

This report describes the results of Catalyst's Phase I ESA to identify the presence of contamination-related liabilities materially affecting the subject facility and/or property. In the conduct of this assessment, Catalyst assessed the presence of such problems within the limits of the established scope of work as described in our proposal dated March 19, 2018.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives that is not readily verifiable through visual observations or supported by any available written documentation. Catalyst shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by Catalyst in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of Catalyst's assessment of the Subject Property. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental conditions at the Subject Property. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- Uncertainty Not Eliminated – No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and costs.

- Not Exhaustive – "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information.

- Comparison with Subsequent Inquiry – It should not be concluded or assumed that an inquiry was not an "all appropriate inquiry" merely because the inquiry did not identify RECs in connection with a property. ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

This report has been prepared for the exclusive use of Woodward, Inc. and may not be relied upon by any other person or entity without Catalyst's prior express written permission. The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

Catalyst's scope of work for this assignment did not include collecting samples of any environmental media. As such, this review cannot rule out the existence of latent conditions including contamination not identified and defined by the data and information available for Catalyst's review; however, this report is intended, consistent with normal standards of practice and care, to assist the client in identifying the risks of such latent conditions. Other issues considered outside the scope of the ASTM Standard and this review include radon testing, lead-based paint sampling and testing, asbestos sampling and testing, lead in drinking water, wetland delineation, PCBs in building materials, cultural and historic resources, ecological resources, and endangered species.

1.4 DATA GAPS/DATA FAILURE

Per ASTM, interviews of past owners, operators, and occupants of the Subject Property, who are likely to have material information regarding the potential for contamination at the Subject Property, shall be conducted to the extent that they can be identified and that the information likely to be obtained is not information already obtained from other sources. Catalyst obtained historical property information from several site representatives, sources, and from previous environmental reports and correspondence. While comprehensive information was not available for all aspects of the Subject Property, based on the information obtained during this Phase I ESA, Catalyst does not consider there to be any significant limitations to this report.

SECTION 2

Site Description

This section provides an overview of the Subject Property and current operations as well as current uses of surrounding properties.

2.1 SITE DESCRIPTION AND CURRENT USE

The Subject Property is located at 1700 Business Center Drive in Duarte, California and is situated in the San Gabriel Valley near the intersection of Interstate 210 and Interstate 605 (Figure 1). The property may be accessed from the east via Highland Avenue or from the north via Business Center Drive. According to the Los Angeles County Assessor's Office, the Subject Property covers one parcel, Los Angeles County assessor's parcel number (AIN) 8528-011-025. The property is comprised of an approximately 9-acre parcel that includes a two-story office building at the north of the property (approximately 11,000-square feet) that is connected to a one-story, approximately 106,000-square foot manufacturing facility surrounded by asphalt-paved parking (Figure 2).

The Subject Property was developed in 1964 and has been used for manufacturing hydraulic actuation systems since that time. Operations include the design, development, and manufacturing (including machining, cleaning, and assembly) of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems. The Subject Property is owned by Woodward, Inc., who acquired the property from General Electric Aviation Systems in December 2012.

2.2 CURRENT USE OF SURROUNDING PROPERTIES

The Subject Property is located in a mixed-use commercial and residential area. As described in the table below, the Subject Property is bordered to the north by Business Center Drive, commercial businesses, and residential properties; to the south by the Highland Industrial Center; to the east by Highland Avenue and a business park that includes several commercial businesses; and, to the west by residential properties. No gasoline service stations or dry cleaners were not observed in the immediate vicinity (approximately 500 feet) of the Subject Property.

Direction	Property/Land Use
North	• Business Center Drive • A business center that includes the following businesses: - Quality Precision Cleaning; - Mutiny Crossfit; - Element Six; - C&H Surplus; - Target Imaging; - Grant Products International; and, - MPK Foods. • Residential properties.
South	• Highland Industrial Center that includes the following businesses: - Galaxy Helmets and Accessories; and,

Direction	Property/Land Use
	- Everfocus Electronics Corporation.
East	• Highland Avenue • A business center that includes the following businesses: - Cooks Collision; - Prolacta; - SiteOne Landscape Supply; and, - D'Aquino Italian Imports.
West	Residential properties

2.3 SITE VISIT

Catalyst staff, Clint Olesen and Charlie Piechowski, conducted a visit to the Subject Property on April 5, 2018. Catalyst observations during the site visit addressed the issues specified the ASTM E1527-13 Standard. The findings and observations from the site visit are discussed below.

2.3.1 Petroleum Products and Hazardous Materials

Hazardous materials are stored on the West Dock, in the western portion of the facility. During the site visit, a significant number of 55-gallon drums of oil, fluids, and solvents were observed in this area. The ground surface in this area was heavily stained and absorbent pads were distributed throughout this area during the site visit (Photograph Nos. 78 – 80 in Appendix A).

A pump room is located in the East Dock area where Skydrol is circulated through the facility for operational use. A collection trench is used to collect leaking or overflowing fluid associated with the Skydrol system (Photograph No. 59, 81, 83 in Appendix A). This collection trench flows into the pump room area where a trench drain collects the overflow and leaking oil from the pumping systems. Fluids that collect in the trench drain are pumped into a (yellow) plastic used oil holding tank which is pumped out by a third-party vendor for disposal (Photograph Nos. 90-93 in Appendix A). During the site visit, small cracks in the cement and visible staining were observed at the surface surrounding the trench drain (Photograph No. 99 in Appendix A). Catalyst also observed evidence of a recent overflow with discharge leaving the footprint of the building (Photograph Nos. 3-4 in Appendix A).

Other chemicals associated with assembly and production are stored in a variety of container sizes in fire safe cabinets throughout the manufacturing and production area (Photograph Nos. 45 – 50 in Appendix A). The facility contains over 64 pieces of equipment and some of the equipment was visibly leaking during the site visit. Absorbent pads and other materials were being used to slow, contain, and cleanup the leaking material (Photograph Nos. 57-58 in Appendix A). Cleaning supplies such as Duraclean and Simple Green are stored in 55-gallon drums in the hallway outside the of the hazardous waste storage area.

2.3.2 Aboveground Storage Tanks

Catalyst observed two, 1,000-gallon aboveground storage tanks in the West Dock area south of the Oil Storage Room. Facility personnel indicated these tanks are used for storing waste oil for pick-up by a third-party vendor. No visible leaks were observed in the tanks during the site visit; however,

pronounced oil staining was present on the concrete slab below each tank and throughout the West Dock (Photograph No. 76 in Appendix A).

As described in Section 2.3.1, an approximate 500-gallon (yellow) plastic used oil holding tank is located the East Dock pump room. The tank is connected to a circulation pump that collects spilled oil and fluids from the trench drain (Photograph No. 98 in Appendix A).

2.3.3 Underground Storage Tanks

No underground storage tanks (USTs) were observed during the site visit, and site personnel indicated that no USTs are currently present at the Subject Property. However, USTs were reportedly present at the Subject Property in the past including two, waste oil USTs that were removed in December 1985. The USTs consisted of a 2,000-gallon UST and a 4,000-gallon UST (Figure 2). The location of the USTs is not identified, but, based on historic site drawings, the USTs appear to be associated with the former drainage infrastructure at the facility as shown in Figure 3. The permit documentation for the removal is provided in Appendix F; however, no documentation of the removal was found to determine whether operation of the former USTs resulted in impacts to the subsurface.

In addition, ERM (2006) indicates that two 5,000-gallon USTs were reportedly removed from the Subject Property in approximately 1985 (ERM 2006). The former USTs were reportedly situated in the south and southwestern portions of the property and were reportedly used to collect wastewater, wash water, and oil (ERM 2006). The USTs were reportedly excavated and removed, and the ancillary piping was reportedly plugged with concrete (ERM 2006). No records of the UST removal activities have been identified. Given the timeframe of the removal of these referenced USTs, it is likely that they are the same as those referenced above, with the volumes reported incorrectly.

Lastly, a Hazardous Materials Underground Storage Tank Permit from the Los Angeles County Department of Public Works, Waste Management Division dated October 1987 indicates the presence of ten "Authorized Hazardous Material Storage Tanks" containing gasoline, diesel, lube oil, and waste oil at the Subject Property (Appendix F). However, a letter dated April 24, 1987 from the owner of the property at the time, Hydraulic Units, Inc., indicates that no USTs are present at the property at that time (Appendix F).

2.3.4 Solid Waste

Solid waste is collected in a variety of solid waste receptacles and dumpsters located throughout the facility (Photograph No. 42 in Appendix A). One, approximately 20-cubic yard capacity roll-off container was present at the West Dock and is predominately used for the collection of scrap metal and metal chips. Oil from the scrap metal bin flows onto the concrete floor where staining was observed (Photograph Nos. 15 – 16 in Appendix A). Arrow Roll-off and Recycling is the private waste disposal company responsible for pick-up and delivery of the bin.

2.3.5 Hazardous Waste

Used oil is stored in the West Dock area in two, 1,000-gallon aboveground storage tanks situated immediately south of the Oil Storage Room (Photograph No. 82 in Appendix A). Prior to storage, used oil is sent through a wastewater evaporator to separate out any water or coolant that may have been mixed-in during use on the facility floor (Photograph No. 76 in Appendix A). Pronounced staining was

visible beneath each of the storage tanks and throughout the concrete floor in the West Dock area. The West Dock is elevated several feet above the surrounding ground surface and several floor grates allow for debris and leaked fluid to flow through to the ground level where a concrete floor and cement berms contain the debris and fluid (Photograph Nos. 27 – 29 in Appendix A).

Hazardous waste is consolidated and stored in the northwest corner of the facility, immediately east of the hazardous materials storage area (Photograph No. 77 in Appendix A). The concrete floor exhibited some staining. In addition, there are solid hazardous waste containers distributed throughout the facility for use during production and assembly (Photograph No. 42 in Appendix A).

Other wastes, such as metal "chips", are stored on the West Dock in an approximately 20-cubic yard roll-off bin which is disposed of off-site on an as-needed basis. Significant staining was visible on the ground surface underneath and around the roll-off bin (Photograph No. 27 in Appendix A).

2.3.6 Water

California American Water provides water to the Subject Property. No potable water wells were observed at the Subject Property or reported by the site representatives.

2.3.7 Wastewater

Wastewater discharges at the Subject Property include effluent from human consumptive use from on-site restrooms and sinks, which discharge to the municipal sanitary sewer system. Process water is reportedly directed to an onsite wastewater evaporator system (ERM 2006). As part of the evaporation process, coolants and oils are collected and shipped offsite for recycling.

In the past, it appears that wash water from the production area was captured in floor drains and directed to holding tanks as shown in Figure 3. During the site visit, neither the floor drain system, nor the holding tanks were observed. Per Woodward personnel, the floor drain system and the holding tanks had been previously removed; however, no specific information regarding the removal was available. The holding tanks referenced in the figure are likely the USTs that were removed from the property in 1985 as discussed in Section 2.3.3.

2.3.8 Stormwater

Stormwater from the Subject Property appears to drain in a southwest direction into storm drains located in the right-of-way along the southern portion of the property (Photograph Nos. 8, 30 – 34 in Appendix A). No significant staining was observed in the parking areas of the Subject Property.

2.3.9 Facility Heating and Cooling

The facility HVAC units are located in the northeast corner of the building. The HVAC room is enclosed on all four sides with half of the exposed top covered by a roof. The HVAC room houses a cooling tower and a variety of chemicals scattered throughout room (Photograph Nos. 51 – 56 in Appendix A). Two floor drains located near the HVAC room reportedly discharge to the sanitary sewer system (Photograph Nos. 64 – 65 in Appendix A). The locations of the floor drains are shown in Figure 3. A permit for Industrial Wastewater Discharge (Permit #9538) from the Los Angeles County Sanitation District was identified in a prior Phase I ESA for the Subject Property (ERM 2006). The industrial wastewater permit allows condensation bleed off from the cooling towers to be discharged into the floor drains which are

connected to the sanitary sewer system. No specific information regarding the current status of this permit was provided or identified during the site visit.

In addition, an active leak, presumably cooling tower condensate, was observed outside of the HVAC room during the site visit (Photograph Nos. 70 – 71 in Appendix A).

2.3.10 Polychlorinated Biphenyls

Polychlorinated biphenyls (PCBs)-containing dielectric fluids have been widely used as coolants and lubricants in transformers, capacitors, and other electric equipment due to their insulating and nonflammable properties. Catalyst observed three transformers (reportedly utility-owned) located on the southeast corner of the Subject Property. The transformers are located on a concrete ground surface surrounded by a chain-link fence. Visible staining was observed running down the sides of the transformers but not on the underlying concrete (Photograph Nos. 1-2 and 20 in Appendix A). Access was restricted to the transformers; but, PCB content labels were not visible. According to site personnel PCB testing has not been conducted on the transformers.

2.3.11 Asbestos Containing Materials (ACMs)

ACMs were reported to be formerly present in the front lobby ceiling and in pipe insulation (ERM 2006). The ACMs were reportedly removed from the pipe insulation in air handler rooms and floor tile by early 2006 (ERM 2006). No documentation of the ACM removal was found during the preparation of this Phase I ESA.

In addition, an assessment of suspected ACMs was conducted throughout the site in 2007 (Shaw 2007 provided in Appendix G). The assessment included the collection of 74 bulk samples of various materials including floor tiles and associated mastic, ceiling panels and tiles, pipe-fitting insulation, plaster, gypsum board and joint compound, and texture coating on metal siding. The assessment results indicated the presence of asbestos in the following materials:

- 12"x12" cream/ rust floor tile;
- Pipe fitting insulation (large pipes);
- Pipe fitting insulation (small pipes);
- Texture coating on exterior metal siding;
- Joint compound applied on gypsum board;
- Sprayed-applied acoustic ceiling material;
- Roofing material under foam (presume asbestos-containing material); and,
- Cementitious pipe (transite).

While potential ACMs were identified during the site inspection, including vinyl floor tiles and acoustic ceiling tiles, no friable ACMs were observed.

2.3.12 Radioactive Materials

No radioactive substances were reported or identified during the site visit.

SECTION 3

Environmental Setting

3.1 TOPOGRAPHY

The Subject Property is depicted on the United States Geological Survey - Azusa, California Topographic Quadrangle, and is located within Section 31, Township 1 North, Range 11 West. The property is situated at an elevation of approximately 486 feet above mean sea level within the San Gabriel Valley, which is bounded by the San Gabriel Mountains to the north, and the Repetto, Merced, and Puente Hills to the south and west. The Subject Property is generally flat with a slight slope to the west.

3.2 GEOLOGY/SOILS

The San Gabriel Valley is located within the northeastern block of the Los Angeles Basin in the Transverse Ranges Geomorphic Province. The basin is bounded by the Raymond fault and the San Gabriel Mountains to the north; the Repetto, Merced, and Puente Hills to the south and west; and, the Chino and San Jose faults to the east. The geology in the San Gabriel Basin is dominated by unconsolidated to semi-consolidated alluvium deposited by streams flowing out of the San Gabriel Mountains. These deposits include Pleistocene and Holocene (10,000 years ago to the present) alluvium and the lower Pleistocene San Pedro Formation (CDWR, 1966). The Upper Pleistocene alluvium deposits form alluvial fans along the San Gabriel Mountains. The San Pedro Formation is characterized by its interbedded marine sand, gravel, and silt (CDWR, 1966). The primary native soil types in the San Gabriel Basin area are sandy loam, silt loam, and clay loam. Soil at the Subject Property is classified as “Urban Land”.

The subsurface lithology encountered during prior investigation activities conducted at the Subject Property consisted of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles to 150 feet below ground surface, the maximum depth explored (MWH 2013).

3.3 HYDROLOGY/HYDROGEOLOGY

The Rio Hondo and San Gabriel Rivers drain the San Gabriel Valley basin through the Whittier Narrows, a gap between the Merced and Puente Hills to the southwest (DWR, 2004). The nearest surface water body and wetland area to the Subject Property is the Santa Fe Dam Spillway which is located approximately 500 feet to the south. Regional surface drainage at the Subject Property is towards the southwest. The Subject Property is situated in a FEMA “Flood Zone X” which is characterized as an “area with minimal flood hazard”. No wetlands were observed on the Subject Property or its immediate vicinity.

The San Gabriel Valley Groundwater Basin covers a total of 255 square miles and has a storage capacity of 10.8 million acre-feet of groundwater. The basin consists of an unconfined aquifer, and groundwater elevations generally follow the topographic slope of the basin, with groundwater flowing from the edges of the basin towards the center, then towards the southwest to exit through the Whittier Narrows (DWR, 2004). Depth-to-groundwater at the Subject Property is not known, but, based on groundwater elevations at properties in the vicinity, it is estimated to be at least 150 feet below ground surface

(MWH 2013). Groundwater flow direction at the site is not known but is assumed to be south toward the San Gabriel River.

SECTION 4

Site and Area History

4.1 HISTORIAL USES OF THE SITE AND ADJACENT SITES

According to site personnel, the Subject Property has been occupied by several hydraulic actuation system manufacturing companies since its initial development. The building was constructed in 1964 and first occupied by Ronson Hydraulics (ERM 2006). The western addition to the building was completed by Ronson in 1967. Boeing purchased the site from Ronson in 1980-81 and added the engineering test lab area in 1987. Dowty purchased the property from Boeing in 1990-91, TI purchased the site from Dowty in 1992-93, and Smiths purchased the site from TI in 1999 (ERM 2006). Since 1999, the Subject Property has been owned by Hydraulic Units, Inc. and GE Aviation Systems (ERM 2006). Woodward, Inc. acquired the property from GE Aviation System in December 22, 2012.

A review of historical maps indicated that the surrounding properties were agricultural land prior to 1949. Residential properties were developed to the north, east, and west of the Subject Property in 1949. The Santa Fe Dam Spillway and Flood Control Basin were constructed between 1946 and 1949 to the south of the Subject Property (ERM 2006). Commercial/light industrial buildings were constructed to the south between 1956 and 1968, and to the east and north between 1976 and 1990. The Metro Gold Line parking lot was constructed in March 2013 in the parking area situated immediately east of the Subject Property.

4.1.1 Aerial Photographs

Historical aerial photography was reviewed by Catalyst in an effort to determine previous use at the Subject Property. EDR provided aerial photographs for the following years: 1928, 1938, 1952, 1964, 1977, 1979, 1987, 1990, 1994, 2002, 2005, 2010, and 2014. Review of the aerial photographs indicated that the Subject Property was undeveloped prior to 1964, in which the first building is evident on the Subject Property. Brief descriptions of the photographs by year are provided below, and photographs are available in Appendix C:

- 1928, 1938: The aerial photograph quality is low. The Subject Property and surrounding area appear undeveloped.
- 1952: The Subject Property is undeveloped. Residential housing is visible to the west and north, and the Santa Fe Dam infrastructure is visible south of the Subject Property.
- 1964: One building, smaller than the current building, is visible on the Subject Property.
- 1977: A larger building, the size of the current building, and parking lot to the east of the building are visible on the Subject Property. A building on the site of the Highland Industrial Park is visible to the south.
- 1979: The photograph shows the industrial complex to the north; parking lot on west side of current building; and buildings to the east of the Subject Property, across Highland Avenue. Interstate 210, north of the Subject Property, is visible.

- 1987: The photograph shows the current Highland Industrial Complex building south of Subject Property. Further development around, but not adjacent to, the Subject Property is visible.
- 1990, 1994: No changes to Subject Property or surrounding areas are visible.
- 2002: Santa Fe Flood Control basins are visible.
- 2005, 2010, 2012: The Subject Property and surrounding areas remain unchanged since 2002 and appear similar to the current conditions.

4.1.2 Topographic Maps

Historic topographic maps were reviewed by Catalyst in an effort to determine previous use at the Subject Property. EDR provided topographic maps for the following years: 1894, 1897, 1898, 1904, 1925, 1928, 1933, 1939, 1953, 1966, 1972, 1995, and 2012 (Appendix D). The Santa Fe Wash is shown in all maps through 1939; however, the flood control basins are shown from 1953 and onward. Beginning in 1953, the topographic maps show heavy development in the vicinity of the Subject Property.

4.1.3 Sanborn Fire Insurance Maps

The Sanborn Library was searched by EDR for maps covering the target Subject Property location. This property is unmapped and Sanborn maps do not exist for the Subject Property area.

4.2 PREVIOUS ENVIRONMENTAL ASSESSMENT ACTIVITIES

A soil gas survey was conducted at the Subject Property in June 1997 (Daly Environmental Services 1997). The objective of the survey was to determine whether chlorinated hydrocarbons were present in the subsurface at the property. The survey involved the collection of 12 soil gas samples at depths between 2 and 15 feet below ground surface. The soil gas sample results indicated detectable concentrations of tetracholorethylene (PCE) in six soil gas samples at concentrations ranging between 1.07 and 12.01 ug/l. The highest concentrations were found in the southern portion of the property adjacent to the former 2,000-gallon UST. Freon 113 was also detected in one sample at 2.15 ug/l. The soil gas survey report recommended "No further action" and was submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB). No additional information was found regarding the soil gas survey or response from the LARWQCB. It should be noted that several of the detected PCE concentrations exceed the current USEPA Vapor Intrusion Screening Level (VISL) target for sub-slab soil gas of 1.6 ug/l for commercial land use (USEPA 2014). A copy of the soil gas survey report is provided in Appendix H.

In 2011, a Phase II Environmental Site Assessment (MWH 2011) was conducted to investigate the potential for environmental impacts to groundwater and soil media at the site as a follow-on assessment to a Phase I Environmental Site Assessment that was conducted in 2009 (MWH 2009). The assessment included the installation of 19 soil borings to a maximum depth of 40.5 feet bgs and the collection of up to 3 soil samples from each soil boring (at the near surface, mid-depth, and boring terminus) for a total of 51 soil samples, including 6 duplicate samples. The soil samples were analyzed for: priority pollutant metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, tin and zinc) by USEPA Method 6010/6029/7000; volatile organic compounds (VOCs) by USEPA Method 8260B; semi-volatile organic compounds (SVOCs) by

USEPA Method 8270C; and, polychlorinated biphenyls (PCBs) by USEPA Method 8082. The assessment results indicated the following:

- fourteen metals were detected in one or more of the soil samples. Of these, the detected concentrations of antimony, arsenic, barium, copper, lead, mercury, and molybdenum in selected samples exceeded their respective USEPA Regional Screening Levels (RSLs) for protection of groundwater.
- arsenic was detected above the California Environmental Office of Environmental Health Hazard Assessment (OEHHA) screening level in all of the soil samples with concentrations ranging between 1 and 11 mg/kg. Since the detections at the site were ubiquitous both in aerial and vertical extent, the detected concentrations were considered most likely representative of background levels for the site.
- nine VOCs were detected in 12 of the 51 soil samples analyzed. The detected concentrations of 1, 1-dichloroethene, naphthalene, and tetrachloroethene in selected samples exceeded USEPA Regional Screening Levels RSLs for protection of groundwater.
- three SVOCs were detected in 9 of the 51 soil samples analyzed. The detected concentrations did not exceed applicable screening levels.
- One PCB, Aroclor 1254, was detected in one of the soil samples analyzed, and the concentration exceeded the USEPA RSL for protection of groundwater.

The Phase II Environmental Site Assessment did not recommend any additional follow-up work as "there were no defined sources identified at the site and only USEPA RSLs for protection of groundwater were exceeded', so the detected compounds were not considered to pose a significant concern.

Lastly, the SWRCB GeoTracker database identified the Subject Property as part of the "Voluntary Cleanup Program" to address soils impacted by petroleum hydrocarbons and tributyl phosphate. The impacted soil was discovered in the East Dock area of the Subject Property in July 2012. Subsequently, MWH Americas, Inc. conducted a soil investigation in August 2012 (MWH 2012). The results indicated concentrations of petroleum hydrocarbons and tributyl phosphate above applicable cleanup criteria. Accordingly, in November 2012, MWH Americas excavated approximately 50 cubic yards of impacted soil and conducted additional site assessment activities in February and March 2013 (MWH 2013). The results of the soil removal and additional investigation were used to support a request for closure which was subsequently approved by the California Department of Toxic Substances Control as indicated in their "No Further Action" letter dated July 17, 2014.

SECTION 5

Environmental Database and Records Review

Catalyst obtained and reviewed state and federal regulatory agency databases for the Subject Property and surrounding area. The regulatory database information, provided by EDR, is consistent with the ASTM Standard E1527-13 for government records review. The database reports are included as Appendix B. Note that each state and tribal entity tabulates its listed sites differently. The equivalent database is listed in each section when one exists.

5.1 ENVIRONMENTAL REGULATORY DATABASE REVIEW

Catalyst contracted with EDR in March 2018 to prepare of summary of listings in federal and state agency databases for the site and facilities within applicable radii of the property, as specified by the ASTM standard. A copy of the EDR report is presented in Appendix B.

5.1.1 Database Review for the Subject Property

Catalyst reviewed the results of the state and federal environmental database searches performed by EDR (Appendix B). The Subject Property (1700 Business Center Drive in Duarte, California) is listed in several databases under several site names, presumably corresponding to current and previous owners/operators, as follows:

Site Name	Database (Responsible Agency)
Woodward HRT	- RCRA-SQG – RCRA small quantity generator (U.S. Environmental Protection Agency) - ICIS – integrated compliance information system (U.S. Environmental Protection Agency) - FINDS – facility index system/facility registry system (U.S. Environmental Protection Agency) - ECHO – enforcement and compliance history information (U.S. Environmental Protection Agency)
Former GE Aviation	- CA ENVIROSTOR – EnviroStor database (California Department of Toxic Substances Control) - CA VCP – voluntary cleanup program properties (Department of Toxic Substances Control) - CA HIST UST – hazardous substance storage container database (California State Water Resources Control Board) - CA NPDES – NPDES permits listing (California State Water Resources Control Board)
Hydraulic Units, Inc.	- CA EMI – air emissions inventory (California Air Resources Board) - CA AST – aboveground storage tank facilities (California Environmental Protection Agency)

Site Name	Database (Responsible Agency)
	- CA LOS ANGELES COUNTY HMS - *Los Angeles* County Hazardous Materials System (Los Angeles County Department of Public Works) - CA NPDES – NPDES permits listing (California State Water Resources Control Board)
Smiths Aerospace	- CA SWEEPS UST – UST listings (California State Water Resources Control Board) - CA HIST UST – hazardous substance storage container database (California State Water Resources Control Board) - CA FID UST – facility inventory database (California Environmental Protection Agency) - CA HAZNET – facility and manifest data (California Environmental Protection Agency) - CA LOS ANGELES COUNTY HMS - *Los Angeles* County Hazardous Materials System (Los Angeles County Department of Public Works)
Dowty Aerospace	- CA HAZNET – facility and manifest data (California Environmental Protection Agency) - CA NPDES – NPDES permits listing (California State Water Resources Control Board)

5.1.2 Database Review for Surrounding Properties

Catalyst reviewed the results of the state and federal environmental database searches performed by EDR (Appendix B), and the following sites were identified within a one-mile radius of the Subject Property:

Database	Site	Direction/Distance (miles)	Relative Elevation
RCRA-LQG	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
RCRA-SQG	Golden State Hydraulic	E 0 - 1/8 (0.022 mi.)	Equal/Higher
	Holmes Body Shop Rain Bird	E 0 - 1/8 (0.022 mi.)	Equal/Higher
	Consumer	ENE 0 - 1/8 (0.066 mi.) ENE 0	Equal/Higher
	Discopy Labs Inc	- 1/8 (0.071 mi.)	Equal/Higher
	Sari Art and Printing	E 0 - 1/8 (0.073 mi.)	Equal/Higher
	Pacific Scientific	ESE 0 - 1/8 (0.080 mi.)	Equal/Higher
	Assembly Automation	E 1/8 - 1/4 (0.154 mi.)	Equal/Higher
	Apple Graphics Inc	ENE 1/8 - 1/4 (0.174 mi.)	Equal/Higher
	Customation Ind Arts	ENE 1/8 - 1/4 (0.240 mi.)	Equal/Higher
	Holmes Body Shop	SSE 0 - 1/8 (0.012 mi.)	Lower
RCRCA-CESQG	Fiberwrap Construction	N 0 - 1/8 (0.057 mi.)	Equal/Higher
CA ENVIROSTOR	Former Lerner's Gas	NE 1/2 - 1 (0.573 mi.)	Equal/Higher

Database	Site	Direction/Distance (miles)	Relative Elevation
	TDH Precious Metal	ENE 1/2 - 1 (0.658 mi.)	Equal/Higher
	Southwest Production	SW 1/2 - 1 (0.692 mi.)	Lower
CA LUST	Duarte Auto Center (case closed)	N 1/4 - 1/2 (0.393 mi.)	Equal/Higher
	City of Duarte (case closed)	WNW 1/4 - 1/2 (0.432 mi.)	Equal/Higher
	John's Foreign Car (case open – inactive)	NW 1/4 - 1/2 (0.487 mi.)	Equal/Higher
	Chevron #9-4104 (case closed)	WSW 1/4 - 1/2 (0.406 mi.)	Lower
CA UST	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
CA AST	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
CA SWEEPS UST	Fredericks Development	NNE 1/8 - 1/4 (0.240 mi.)	Equal/Higher
	Pioneer Electronics	SSE 0 - 1/8 (0.012 mi.)	Lower
	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
	Duarte Nissan	NW 1/8 - 1/4 (0.180 mi.)	Lower
CA HIST UST	Pacific Scientific	ESE 0 - 1/8 (0.080 mi.)	Equal/Higher
	Majestic Party Sales	E 1/8 - 1/4 (0.170 mi.)	Equal/Higher
	Federico's Bakery	ENE 1/8 - 1/4 (0.205 mi.)	Equal/Higher
	Pioneer Electronics	SSE 0 - 1/8 (0.012 mi.)	Lower
	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
CA FID UST	Pioneer Electronics	SSE 0 - 1/8 (0.012 mi.)	Lower
	City of Hope Medical	WSW 0 - 1/8 (0.086 mi.)	Lower
RCRA NonGen	IBIS Systems Inc.	ENE 1/8 - 1/4 (0.155 mi.)	Equal/Higher
CA HIST CORTESE	Duarte Auto Center	N 1/4 - 1/2 (0.393 mi.)	Equal/Higher
	City of Duarte	WNW 1/4 - 1/2 (0.432 mi.)	Equal/Higher
	Chevron #9-4104	WSW 1/4 - 1/2 (0.406 mi.)	Lower
NY MANIFEST	Hope City of Medical	WSW 1/8 - 1/4 (0.224 mi.)	Lower
CA WIP	Golden State Hydraul	E 0 - 1/8 (0.022 mi.)	Equal/Higher
	Pacific Scientific -	ESE 0 - 1/8 (0.080 mi.)	Equal/Higher
	Occupant	E 1/8 - 1/4 (0.162 mi.)	Equal/Higher
	Hoffman Educational	E 1/8 - 1/4 (0.217 mi.)	Equal/Higher

5.1.3 Wells in the Vicinity of the Subject Property

The database search performed by EDR (Appendix B) identified the following wells within one-mile of the Subject Property:

Well Type	Database	Well ID	Distance/Direction from Subject Property
Water Well	Federal USGS	USGS40000141771	1/4 - 1/2-mile East
		USGS40000141696	1/2 - 1-mile SW
	State	398	0 – 1/8-mile ESE
		397	0 – 1/8-mile ESE

		437	1/2 – 1-mile West
Oil/Gas	State	CAOG11000214463	1/2 – 1-mile ESE

5.2 REGULATORY AGENCY FILE REVIEW

Catalyst contacted the Los Angeles County Fire Department (LAFCD) for available records associated with the Subject Property. As of the date of this document, a response from the LAFCD has not been received.

5.3 REVIEW OF LOCAL AND STATE AGENCY INFORMATION

In addition to the EDR Database search, Catalyst queried the California Department of Oil, Gas, & Geothermal Resources (DOGGR) and the California State Water Resources Control Board (SWRCB) GeoTracker databases. The DOGGR Well Finder online database, identified one plugged and abandoned oil and gas (API number 03720888) well within 0.5 miles of the Subject Property. The well, operated by Union Oil Company of California and identified as "Irwindale-Duarte 1", was abandoned on September 15, 1969 and is classified as "never produced" according to DOGGR records.

The SWRCB GeoTracker database identified the Subject Property and two other sites within 0.5-miles of the it. The Subject Property was identified as part of the "Voluntary Cleanup Program" with a cleanup status of "No Further Action as of 8/7/2014" associated with prior impacts and subsequent remediation of soil containing elevation concentrations of petroleum hydrocarbons and tributyl phosphate. The two other sites consist of the City of Hope National Medical Center – Main Campus (LACoFA0009297) and the City of Duarte-City Hall (LACoFA0014057). Both of these sites are identified as having permitted underground storage tanks (USTs) through the Los Angeles County Fire Department.

5.4 TITLE RECORDS

5.4.1 Deeds

Woodward acquired the Subject Property from GE Aviation Systems, LLC on December 22, 2012 (Appendix B).

5.4.2 Environmental Liens

No environmental liens were found by EDR for the Subject Property (Appendix B).

5.5 USER-PROVIDED INFORMATION

User provided information related to the Subject Property was collected as part of the preparation of this Phase 1 ESA and is presented in the following sections. Unless specifically noted in the scope of work, it is the user's responsibility to provide to the environmental professional records related to this title, judicial records, activity use limitations, specialized knowledge, actual knowledge, and purchase price reductions that might be suggestive of environmental conditions.

5.5.1 Specialized Knowledge

The ASTM E1527-13 User Questionnaire was issued to the following Woodward HRT employees: Daniel Saldana (Environmental Health and Safety Specialist); John Bragg (Director of Operations); Sal Gutierrez (Facilities Manager); and, Aromake Afiegbe (Director, Global Environmental Health and Safety). The following provides a summary of the key, relevant environmental considerations obtained from the questionnaires:

- A variety of chemicals are used throughout the production, assembly, and testing processes at the facility. These chemicals are stored in specialized fire-proof cabinets or refrigerators (secondary containment) – depending on the compound. The containers are scattered throughout the facility in the Machine Room, Assembly Rooms, Testing Rooms, and East and West Docks.
- The facility currently (and is consistent with past uses) stores 55-gallon industrial drums, containers totes of different sizes, and two aboveground tanks of new and used oils, fluids, or solvents.
- Small spills of a variety of chemicals or oils have occurred throughout the facility, and minor leaks have occurred around numerous pieces of equipment in the manufacturing and production area.
- To the best of their knowledge, current hazardous substance use is consistent with historical usage. Hazardous materials and wastes are stored on-site, predominantly on the West Dock, in a variety of container sizes and types.

The complete questionnaire correspondence is provided in Appendix E.

5.5.2 Commonly Known or Reasonable Ascertainable Information

Please refer to prior sections for information regarding commonly known or reasonably ascertainable information about the Subject Property.

5.5.3 Valuation Reduction for Environmental Issues

Based on the completed ASTM E1527-13 User Questionnaires, the owners/tenants/representatives of the property parcels comprising the Subject Property have no knowledge of environmental liens or devaluation of these properties due to environmental issues.

5.5.4 Reason for Performing Phase 1 ESA

The Phase I ESA was reportedly performed in support of the sale of the property by Woodward.

SECTION 6

Findings

Catalyst performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527-13, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections. of ASTM Practice E1527-13 of the Woodward property located at 1700 Business Center Drive, Duarte California. The following sections summarize the findings and opinions of this Phase I ESA of the Subject Property.

6.1 RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS)

The following RECs were identified as part of the Phase I ESA:

- **Former USTs** – two, waste oil USTs were reportedly removed from the Subject Property in December 1985 (Appendix F). No records of the UST removal activities have been identified. Accordingly, the potential impacts associated with these former USTs are unknown. The results of the soil gas survey conducted in June 1997 (Daly Environmental Services 1997) indicated elevated levels of PCE in the vicinity of the former 2,000-gallon UST. During the 2011 Phase II Environmental Site Assessment, one soil boring (SB-19) was installed approximately 20-25 feet east of the former 2,000-gallon UST. The soil sample results from this boring did not indicate elevated levels of VOCs. However, the soil samples were not analyzed for total petroleum hydrocarbons (TPH) which, given the significant use of Skydrol and other oils at the site, is important to assess. In addition, given the coarse subsurface lithology at the site, potential releases would have a strong vertical migration component so, based on its location, any impacts associated with a release from the former 2,000-gallon UST may not have been encountered in this boring. This issue is identified as a REC given the lack of information regarding the UST removal and the results of the soil gas survey which indicate the potential for subsurface impacts associated with the USTs.
- **Trench drain in the pump room area (East Dock)** – the trench drain collects overflow and leaking oil from the pumping system. The results of the soil gas survey conducted in June 1997 (Daly Environmental Services 1997) indicated detectable levels of PCE and Freon 113 in the vicinity of the trench drain. This issue is identified as a REC given the documented impacts in soil gas from the 1997 soil gas survey and the potential for subsurface impacts associated with the significant staining and cracks in the concrete surrounding the drain.
- **Former drainage infrastructure** - in the past, it appears that wash water from the production area was captured in floor drains and directed to holding tanks (likely the former USTs). During the site visit, neither the floor drain system, nor the holding tanks were observed. Per Woodward personnel, the floor drain system and the holding tanks had been previously removed; however, no specific information regarding the removal was available. This issue is identified as a REC given the lack of information on the current status of the drains and the

potential for subsurface impacts associated with leakage through cracks, joints, and connections in the drainage infrastructure.

- **Asbestos Containing Materials** – ACMs were reportedly removed from pipe insulation in air handler rooms and floor tile in early 2006 (ERM 2006). No documentation of the ACM removal was found during the preparation of this Phase I ESA. In addition, an assessment of suspected ACMs was conducted throughout the site in 2007 (Shaw 2007 provided in Appendix G). The assessment included the collection of 74 bulk samples of various materials including floor tiles and associated mastic, ceiling panels and tiles, pipe-fitting insulation, plaster, gypsum board and joint compound, and texture coating on metal siding. The assessment results indicated the presence of asbestos in the following materials:
    - 12"x12" cream/ rust floor tile;
    - Pipe fitting insulation (large pipes);
    - Pipe fitting insulation (small pipes);
    - Texture coating on exterior metal siding;
    - Joint compound applied on gypsum board;
    - Sprayed-applied acoustic ceiling material;
    - Roofing material under foam (presume asbestos-containing material); and,
    - Cementitious pipe (transite).

  This issue has been identified as a REC given the identified presence of ACMs at the Subject Property.

- **Transformers** – Three transformers are located in the southeast corner of the facility. Visible staining was observed on the sides of the transformers. The transformers were not labelled as to PCB content, and no PCB testing has reportedly been conducted on the transformers. This issue is identified as a REC given the lack of information regarding the transformers and potential for leakage of PCB-containing fluids to impact the subsurface.

6.2 HISTORICAL RECS

The following historical RECs (HRECs) were identified as part of the Phase I ESA:

- Soil impacted with elevated concentrations of petroleum hydrocarbons and tributyl phosphate was discovered in the East Dock area of the Subject Property in July 2012. Subsequently, MWH Americas, Inc. conducted a soil investigation in August 2012 (MWH 2012). The results indicated concentrations of petroleum hydrocarbons and tributyl phosphate above applicable cleanup criteria. Accordingly, in November 2012, MWH Americas excavated approximately 50 cubic yards of impacted soil and conducted additional site assessment activities in February and March 2013 (MWH 2013). The results of the soil removal and additional investigation were used to support a request for closure which was subsequently approved by the California Department of Toxic Substances Control as indicated in their “No Further Action” letter dated July 17, 2014.

6.3 CONTROLLED RECS

No controlled RECs were identified at the Subject Property.

6.4 *DE MINIMIS* CONDITIONS

The ASTM Standard defines *de minimis* conditions as a feature that does not threaten human health or the environment and generally would not be subject to enforcement action. In accordance with this definition, the following *de minimis* conditions were identified at the Subject Property:

- Surficial staining was observed in various areas across the Subject Property including the manufacturing and production area, East Dock, West Dock, and by the HVAC room. Given the localized nature of the observed staining, Catalyst considers it a *de minimis* condition.
- Secondary containment of the West Dock holds metal debris and leaked oils from the platform above. The above platform contains a roll-off bin, hazardous materials, hazardous waste, and other solvents and fluids. As such, there is potential for infiltration through the cement floor or overflow of the concrete berms. Given the localized nature of the staining, Catalyst considers it a *de minimis* condition.
- Hazardous materials room located on the West Dock has no secondary containment. As such, there is the possibility for stored waste to move into the environment through leaks or spills. Given that there is no documentation or record of significant spills, Catalyst considers it a *de minimis* condition.
- Condensate from the cooling tower near the HVAC room appears to discharge directly to the sanitary sewer system as well as to the surrounding ground surface. If contaminants are present in the condensate and/or spills or leaks occur in the vicinity of the cooling tower, then there could be discharge to the sanitary sewer system. However, given that there are no documented contaminants in the condensate or documentation/record of significant spills in this area, Catalyst considers it a *de minimis* condition.

SECTION 7

References

7.1 DOCUMENTS

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MWH Americas, Inc. 2013. East Dock Soil Investigation and Removal Report. Prepared for General Electric Aviation. Project Number 10502339. October 2013.

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U.S. Environmental Protection Agency. 2014. Vapor Intrusion Level (VISL) Calculator User's Guide. May 2014.

7.2 INTERVIEWS

Aromake Afiegbe. Director, Global Environmental Health and Safety. Woodward, Inc., 2018. April 5.

Daniel Saldana. Environmental Health and Safety Specialist. Woodward, Inc., 2018. April 5.

John Bragg, Director of Operations. Woodward, Inc., 2018. Personal Interview. April 5.

Sal Gutierrez. Facilities Manager. Woodward, Inc., 2018. Personal Interview. April 5.

SECTION 8

ASTM Definitions

The following definitions are presented in the ASTM Standard:

REC - Recognized Environmental Condition:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

HREC - Historical Recognized Environmental Condition:

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

De Minimis Condition:

A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

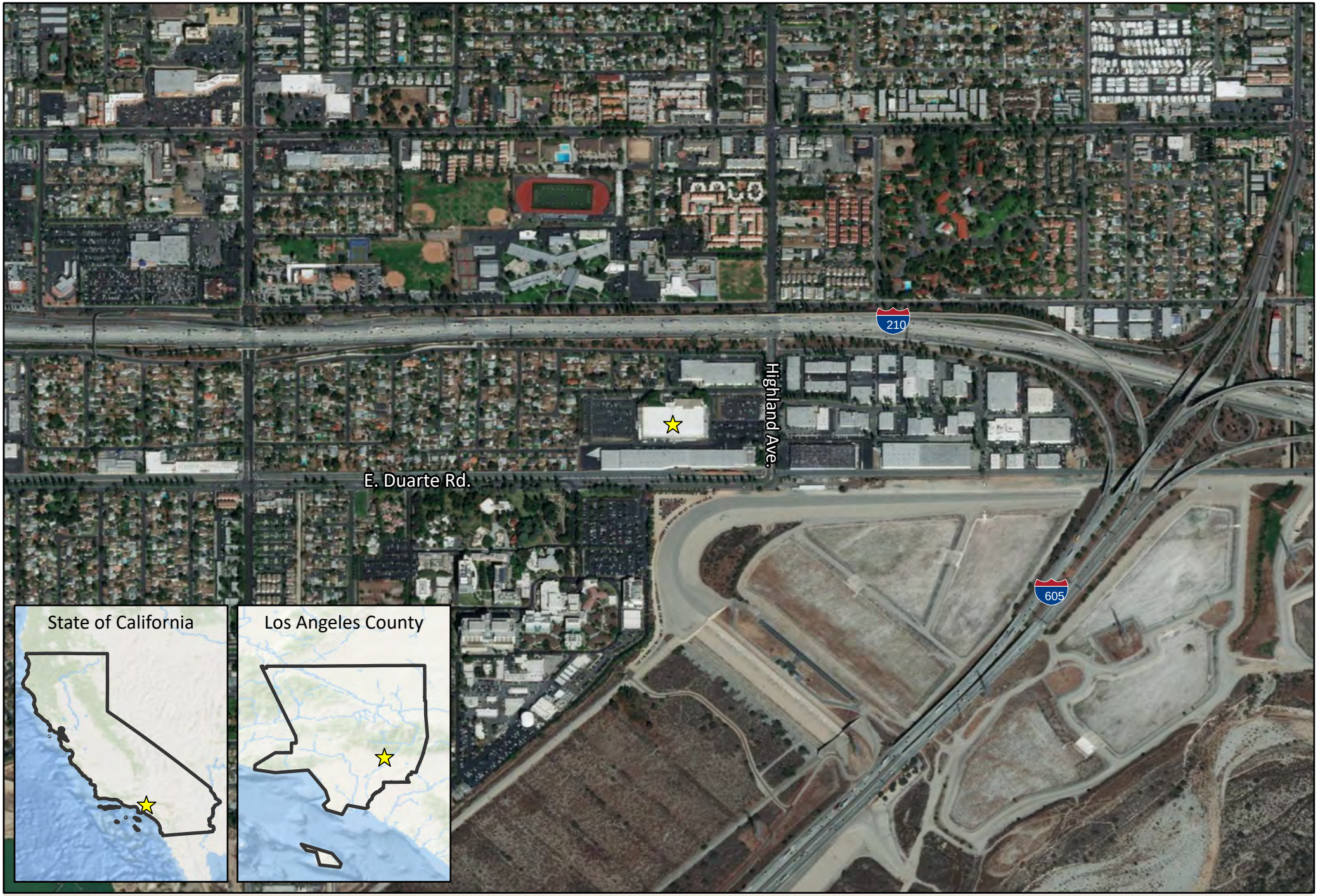
Significant Data Gap:

A lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information.

Please note that the term “other finding” is not defined by ASTM; rather, Ramboll ENVIRON uses the term to connote areas of contingent risk that are not clearly defined by the ASTM Standard.

Figures





Legend

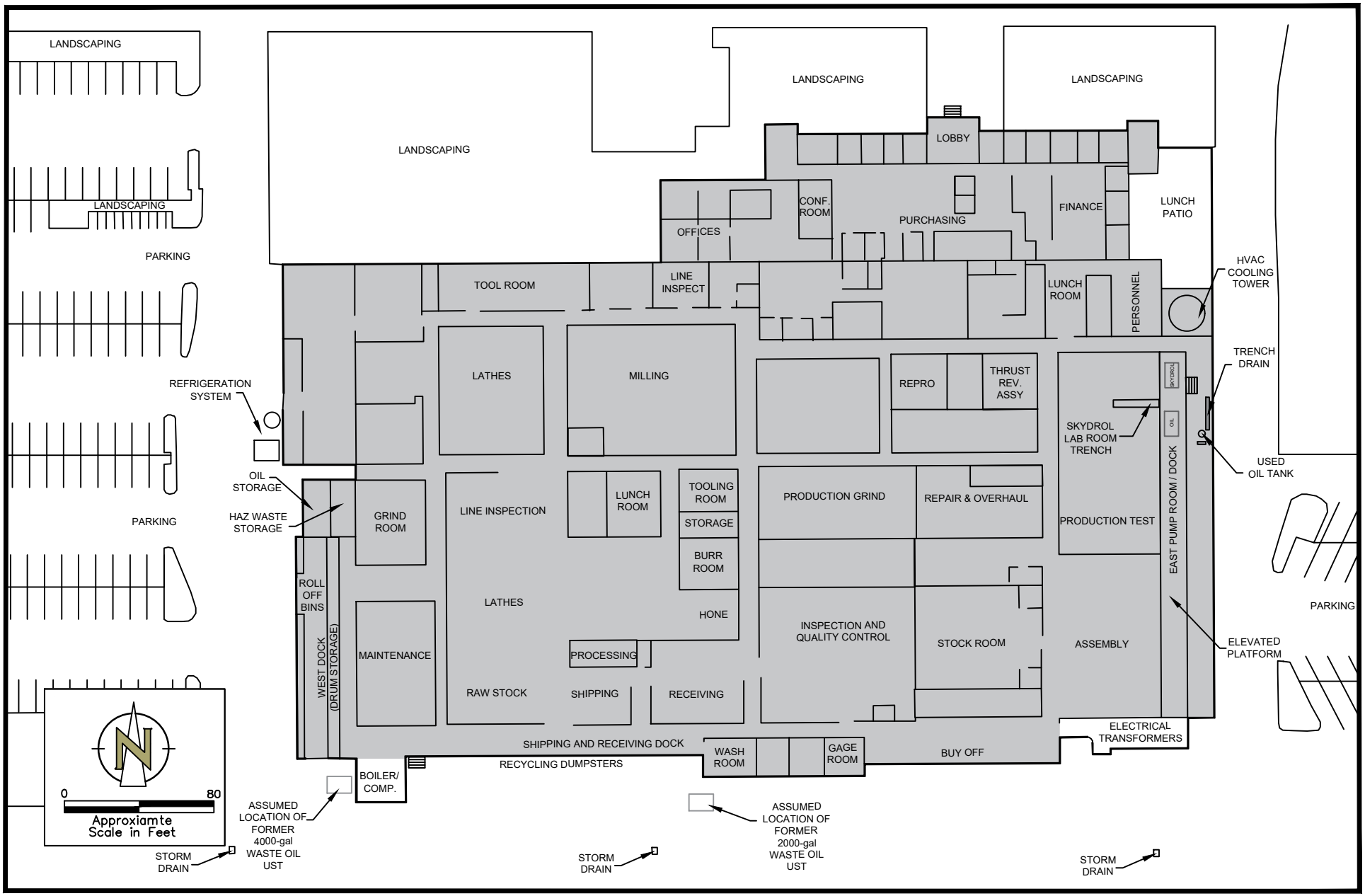
★ Woodward Duarte Facility

REGIONAL LOCATION MAP

Figure 01

Woodward
Duarte Facility Phase 1 ESA
Date: April 2018

Catalyst
ENVIRONMENTAL SOLUTIONS



Catalyst ENVIRONMENTAL SOLUTIONS

Facility Map

Former Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

Figure
2

DRAFTED BY:	DATE: 4/20/2018
J. Campbell	PROJECT: 270002

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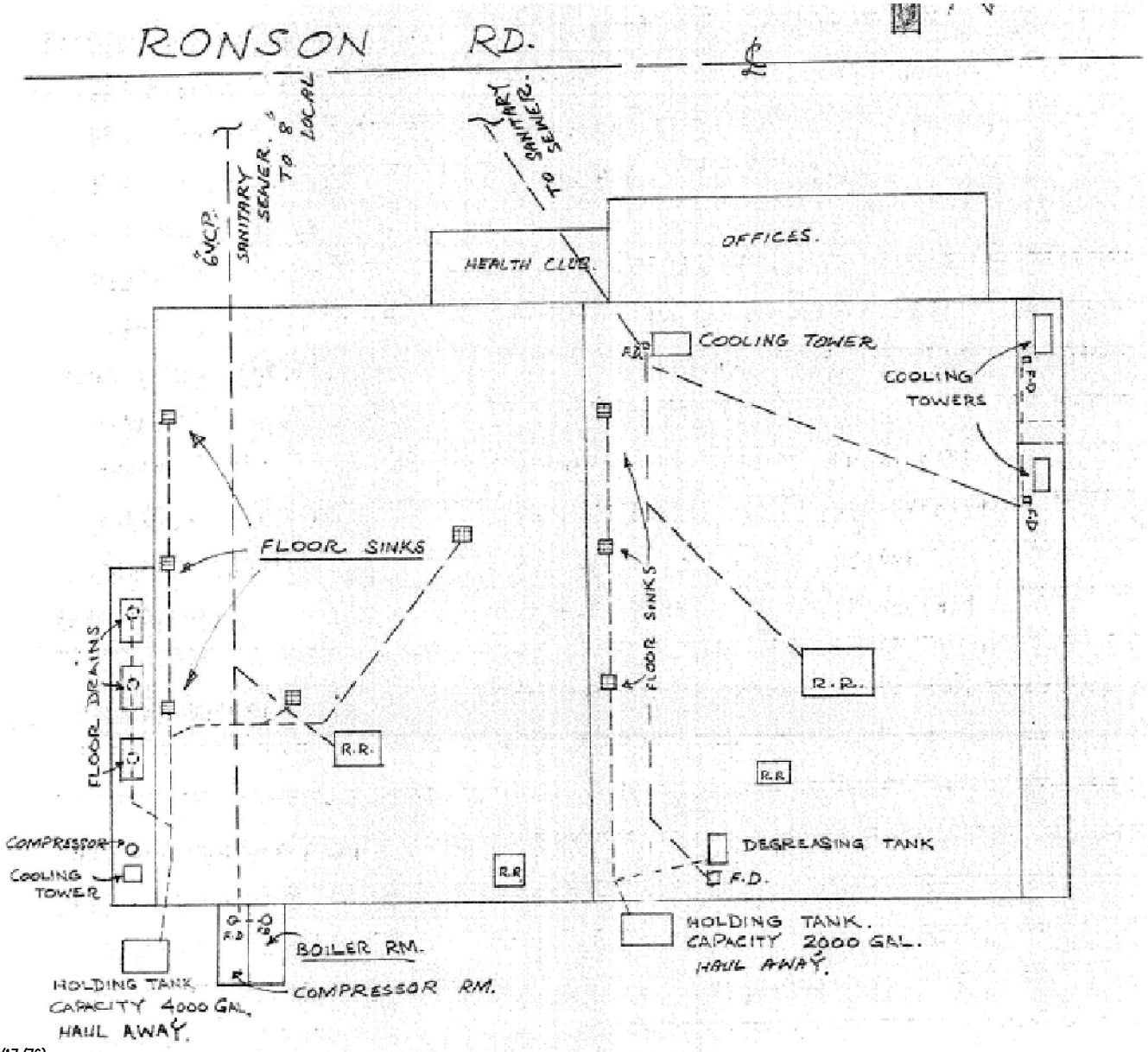

Not to Scale

Source: LA County Industrial Waste Survey (12/17/76)

Catalyst ENVIRONMENTAL SOLUTIONS

Facility Map with Former Floor Drain Infrastructure

Former Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

Figure
3

DRAFTED BY: J. Campbell
DATE: 4/20/2018
PROJECT: 270002

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Appendix A

Photograph Log



South East– corner of building (transformers) ground

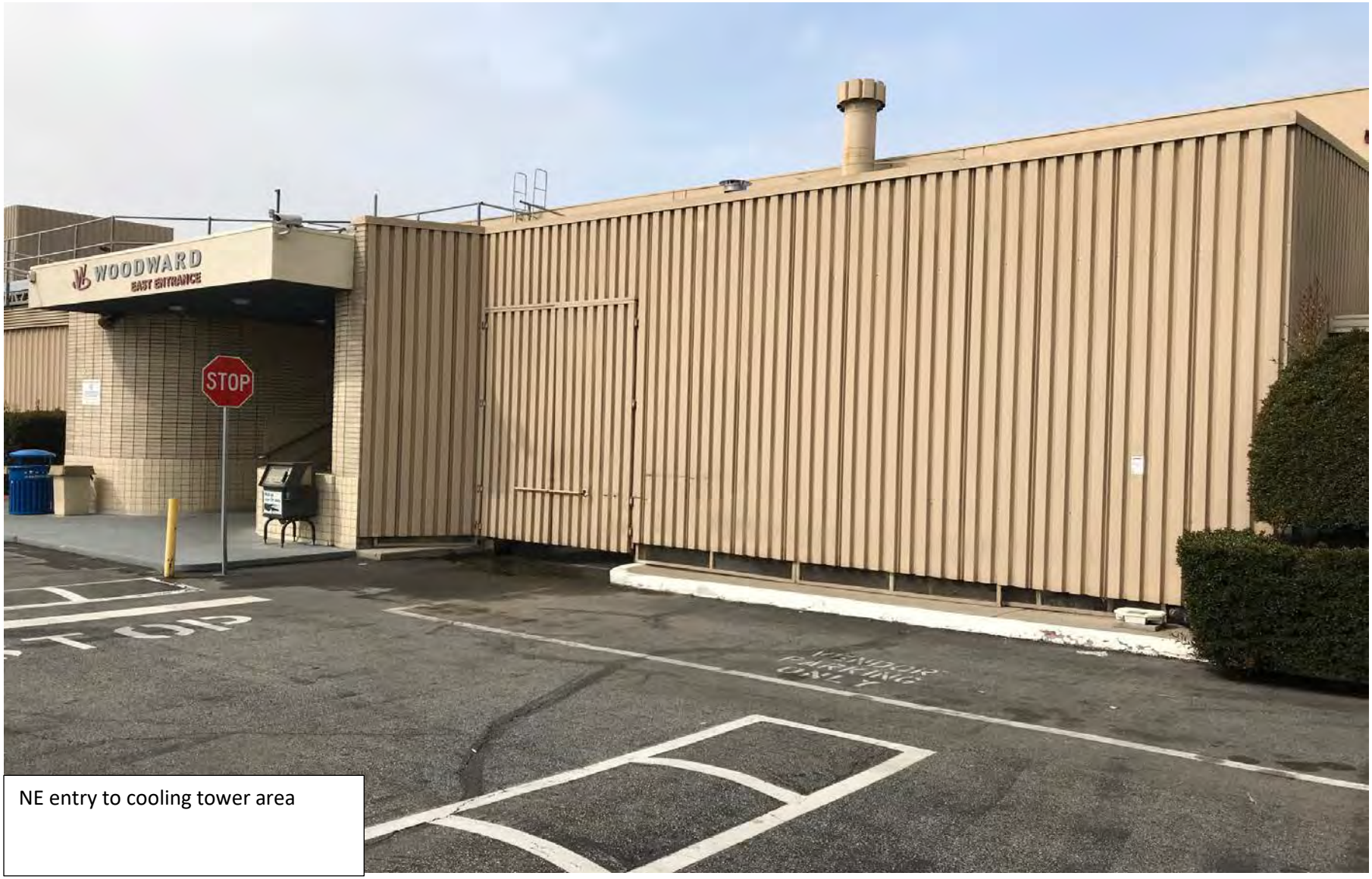
South East – corner of building (transformers) ground

East – corner of building pump area entry

East – corner of building NE pump area entry –water from roof drain

East – corner of building NE pump area entry –main

NE entry to cooling tower area



NE entry to cooling tower area

South – storm water run-off drain (adjacent to HW storage area

South – entrance to HW storage, empty drums area

South – driveway

South – shipping and receiving, trash/recycling collection

West- entry to Metal Turning roll-off bin. Possible point for Waste Hauling wastewater

West- Possible point for Waste Hauling wastewater

West- Possible point for Waste Hauling wastewater, bermed area underneath

West- metal turning roll-off bin

West- Debris along roll-off bin

South – Deburr (Torit) storage area – drain point with latex paint

South – Deburr (Torit) storage area – drain point with latex paint

South – Deburr (Torit) storage area – drain point with latex paint

South East - Transformers

North – front of manin entrance to building

North West of building – EDL water tank and refrigeration system

West parking end

West parking end

West parking end

West –roll-off bin area entry

West –metal platform next to roll-off bin (under platform)

West –metal platform next to roll-off bin (under platform)

West –metal platform next to roll-off bin (surface of platform)

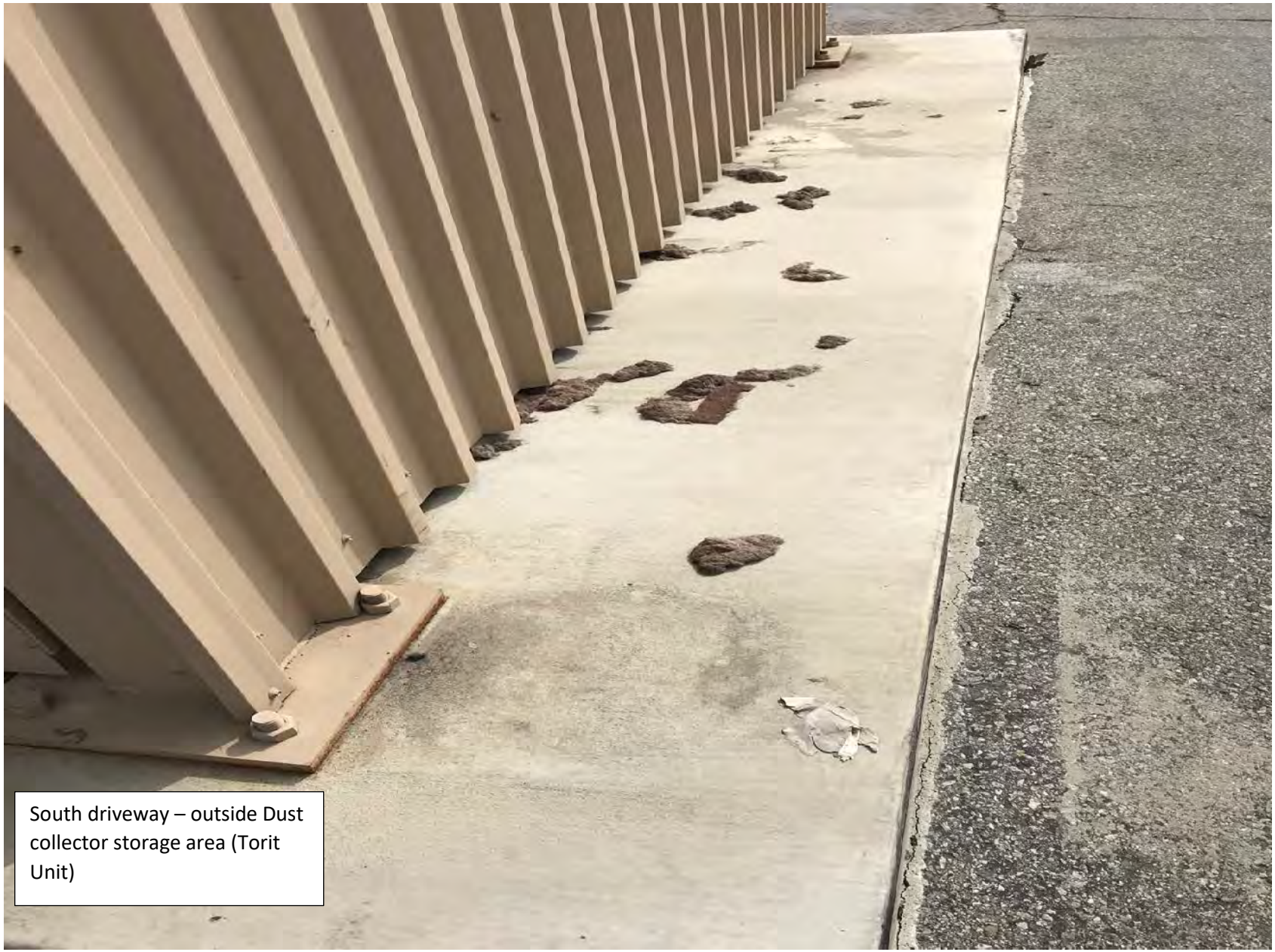
Southwest – HW/Empty storage area, entry

Southwest – storm run-off drain

South- by Shipping and Receiving – trash/recycle collection point

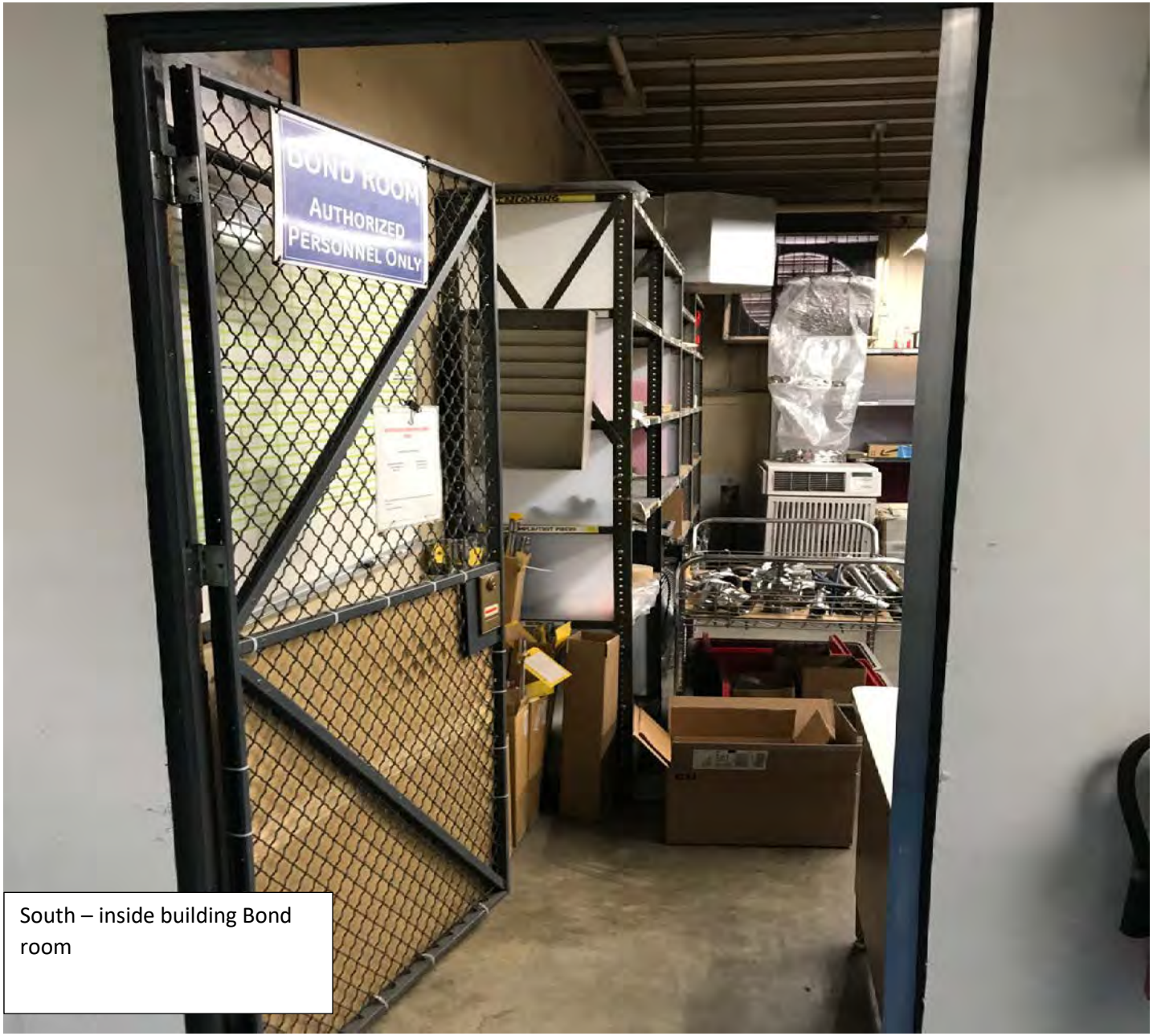
South driveway close-up of storm run-off drain

South driveway - storm run-off drain



South driveway – outside Dust collector storage area (Torit Unit)

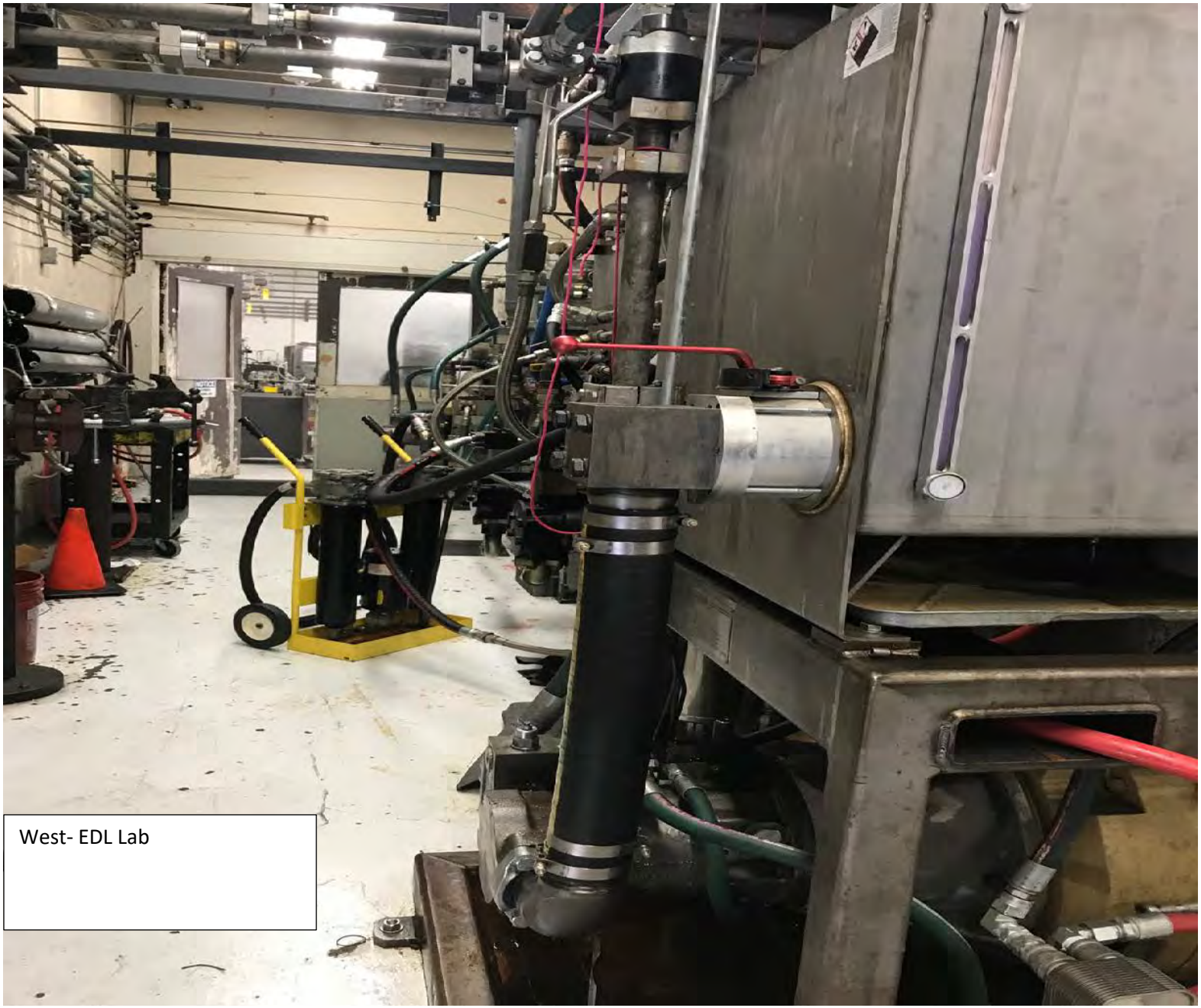
South driveway – inside Dust collector storage area (Torit Unit)



South – inside building Bond room

South – washroom

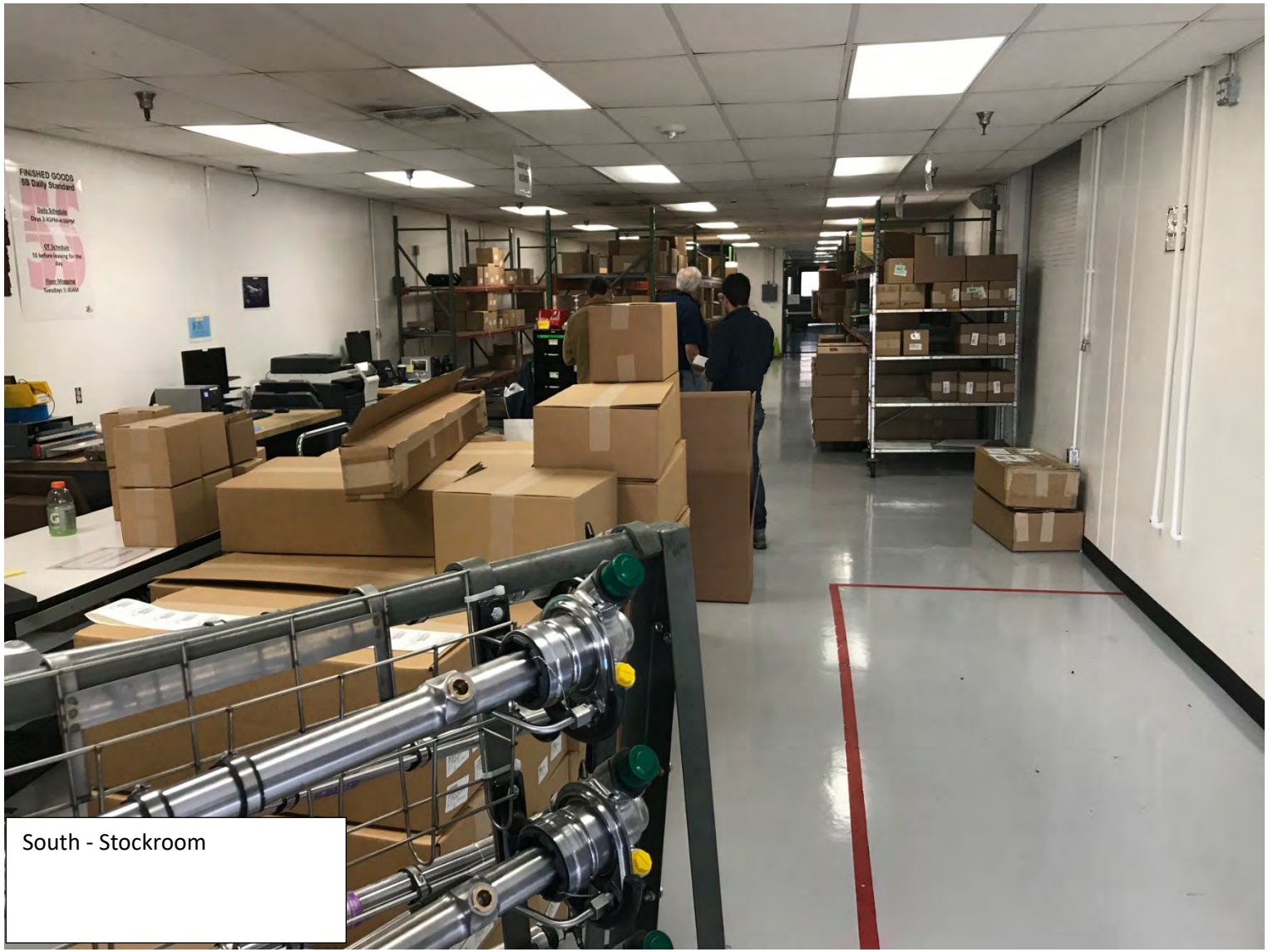
South – inside washroom



West- EDL Lab

East -Boeing assembly room – solvent dispenser???

East - Hazardous Waste Container Solids

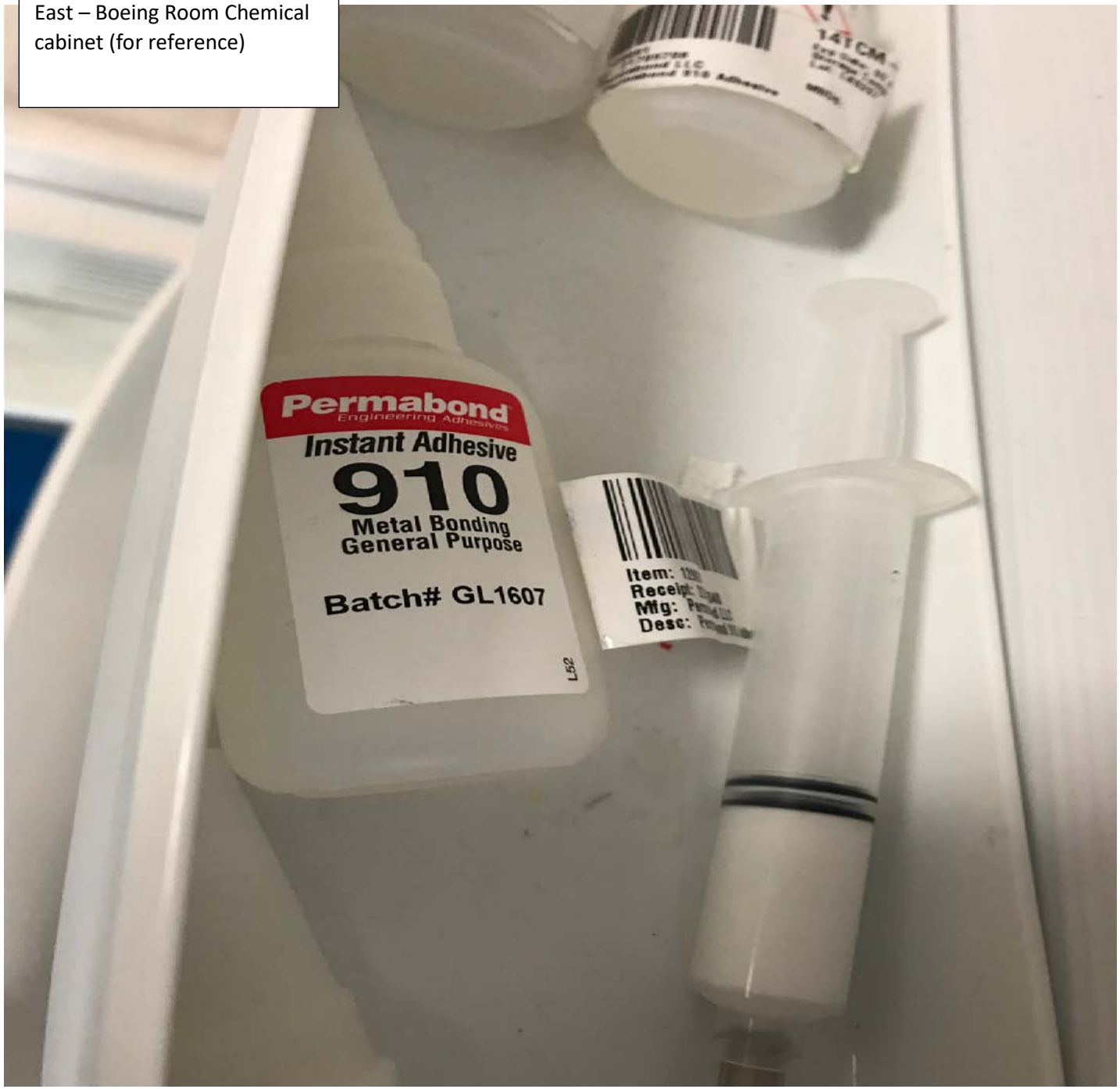


South - Stockroom

South – Gage Room

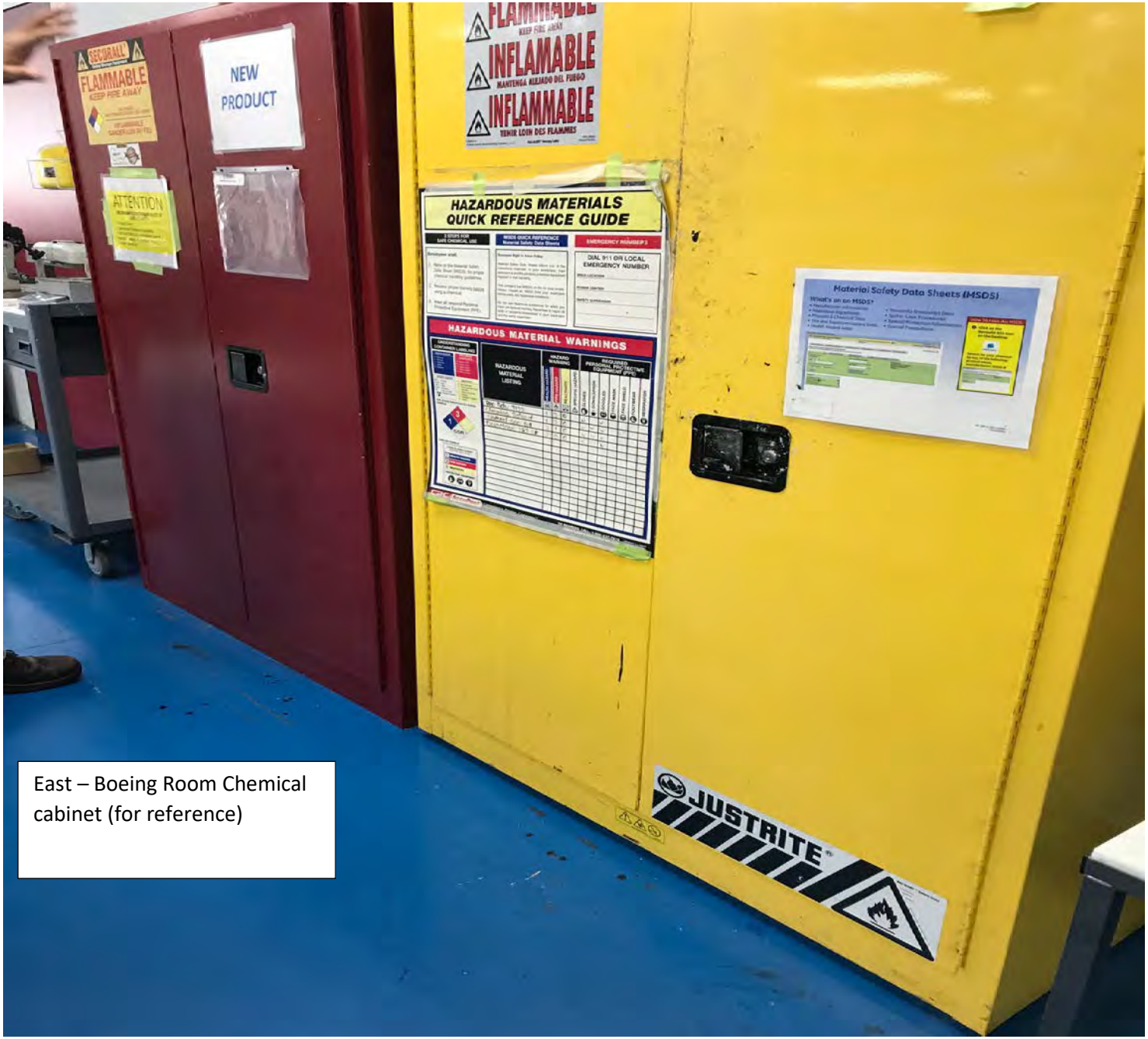
East – Boeing Room Chemical cabinet (for reference)

East – Boeing Room Chemical cabinet (for reference)



East – Boeing Room Chemical cabinet (for reference)

East – Boeing Room Chemical cabinet (for reference)



East – Boeing Room Chemical cabinet (for reference)

East – Boeing Room Chemical cabinet (for reference)

East – Cooling Tower area - chemicals

East – Cooling Tower area - chemicals

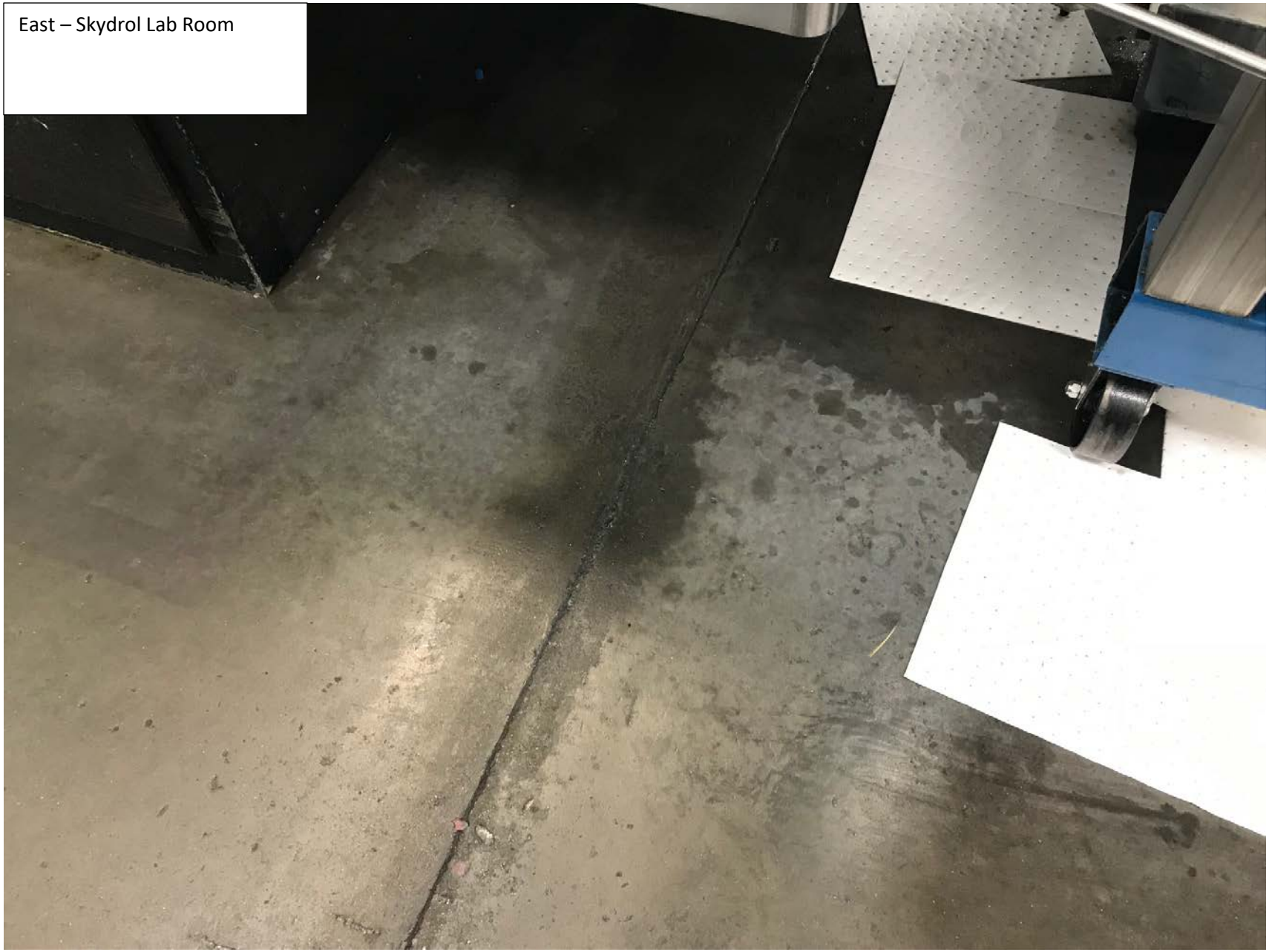
East – Cooling Tower area - chemicals

East – Cooling Tower area - chemicals

East – Cooling Tower area – trash??

East – Cooling Tower area - chemicals

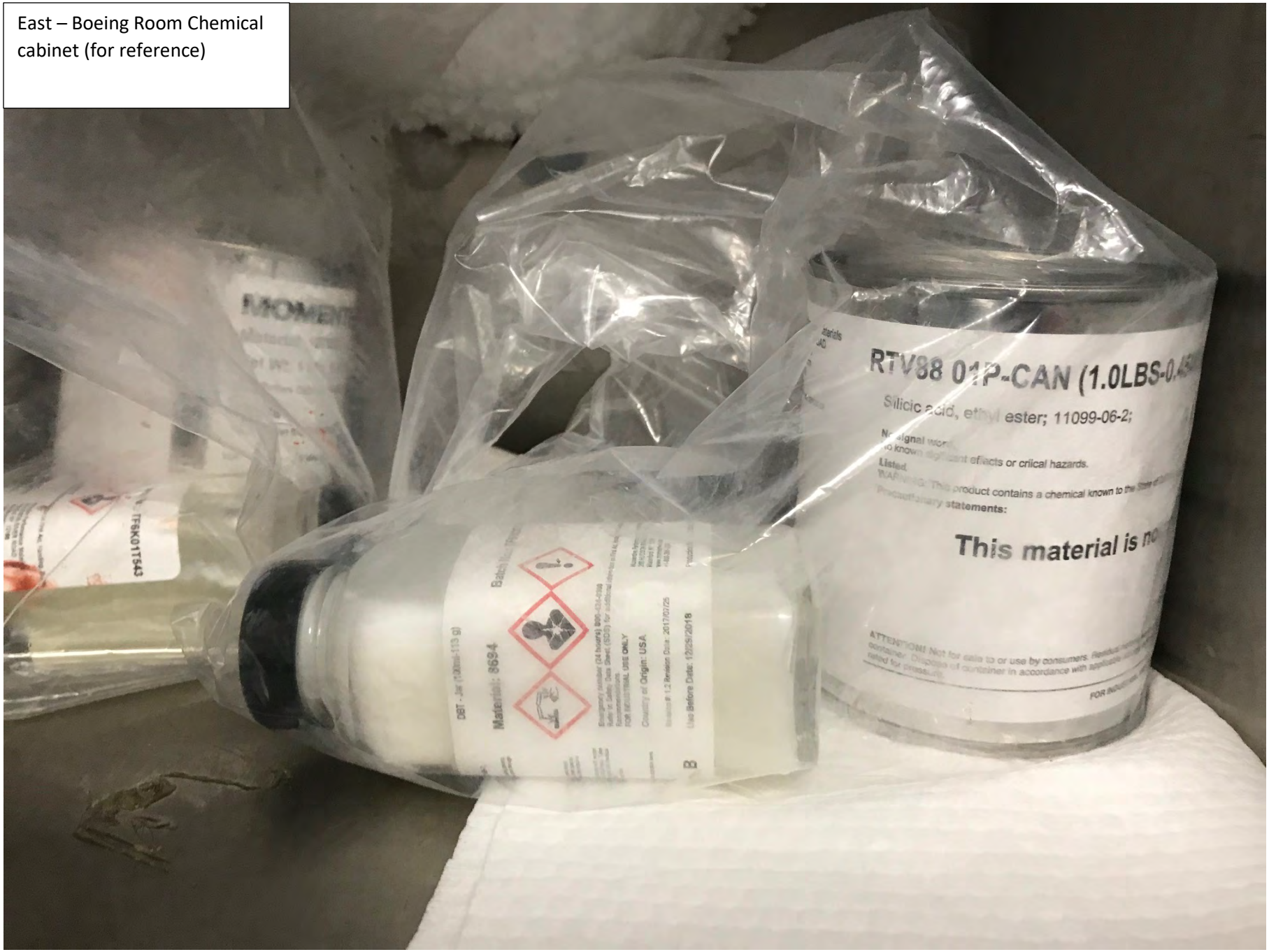
East – Skydrol Lab Room



East – Skydrol Lab Room

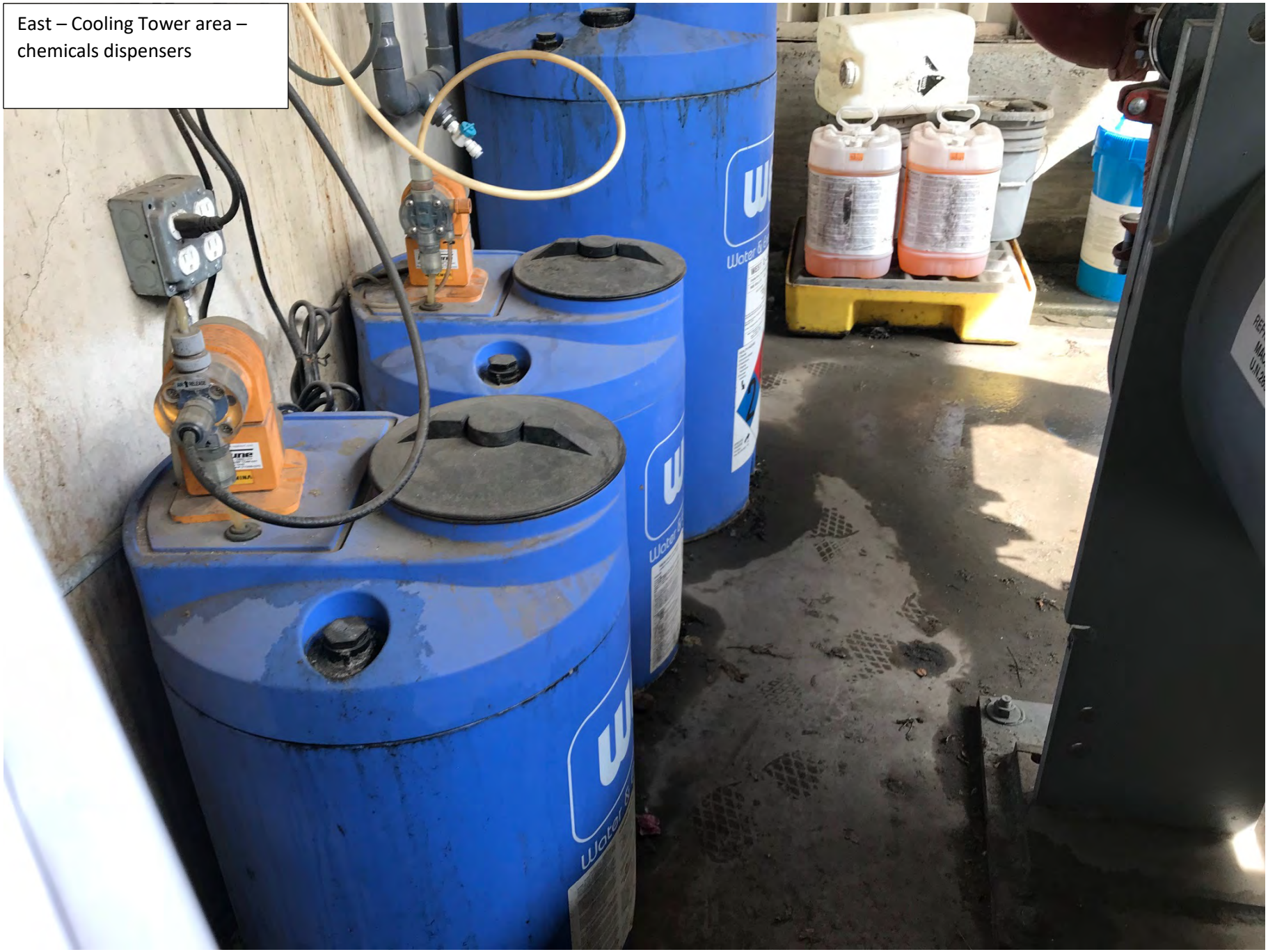
East – Skydrol Lab Room, trench leads to exterior of NE pump room

East – Boeing Room Chemical cabinet (for reference)



East – Cooling Tower area - chemicals

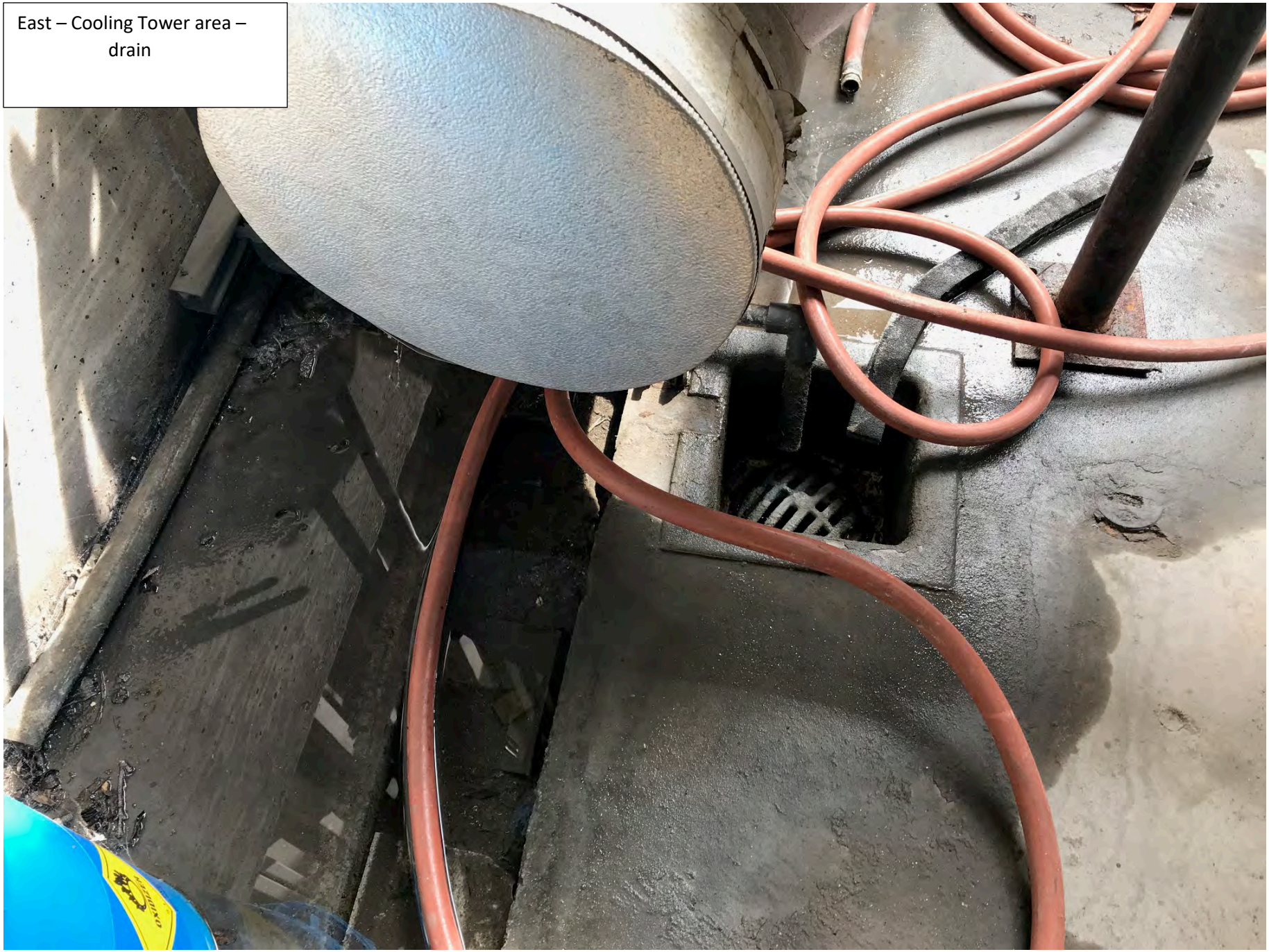
East – Cooling Tower area – chemicals dispensers



East – Cooling Tower area – chemicals, some sort of discharge (water)

East – Cooling Tower area – chemicals, some sort of discharge??

East – Cooling Tower area – drain



East – Cooling Tower area – second drain

East – Cooling Tower area - chemicals

East – Cooling Tower area - chemicals

East – Cooling Tower area – water leak

East – Cooling Tower area - chemicals


UN3266
CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S.
(Halogenated Complex, Sodium Hydroxide) 8, PG III
ALBEMARLE CORPORATION
451 FLORIDA STREET
BATON ROUGE, LA 70801
UN3266
CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S.
(Halogenated Complex, Sodium Hydroxide) 8, PG III
ALBEMARLE CORPORATION
451 FLORIDA STREET
BATON ROUGE, LA 70801


WEST
Water & Energy Systems
WEST C-124
Water & Energy Syste
WEST C – 342A
Cooling Water Scale & Corrosion Inhibitor
Net Weight: 45 Lbs.
DANGER – CORROSIVE LIQUID
Use Goggles and Gloves When Handling
Avoid Contact with Skin and Eyes
Do Not Take Internally
Remove Contaminated Clothing
HMIS SYSTEM
HEALTH 2
FLAMMABILITY 0
REACTIVITY 0
PERSONAL PROTECTION C
HEALTH HAZARD
FIRE HAZARD
Flash Points
4 Below 73°F
(Boiling pt. below 100°F)
3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F
2 Above 100°F, Not exceeding 200°F
1 Above 200°F
0 Will not burn
INSTABILITY
4 May detonate
3 Shock and heat may detonate
2 Violent chemical change
1 Unstable if heated
0 Stable
2
0
0


WEST
Water & Energy Systems
WEST C-124
KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID
MADE IN THE U.S.A.
Water & Energy Systems Technology, Inc.
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(5-Chloro-2-Methyl-4-Isothiazolin-3-One)
8 UN 3265 II
In event of emergency,
CALL TOLL FREE:
CHEM-TEL
(800) 255-3924

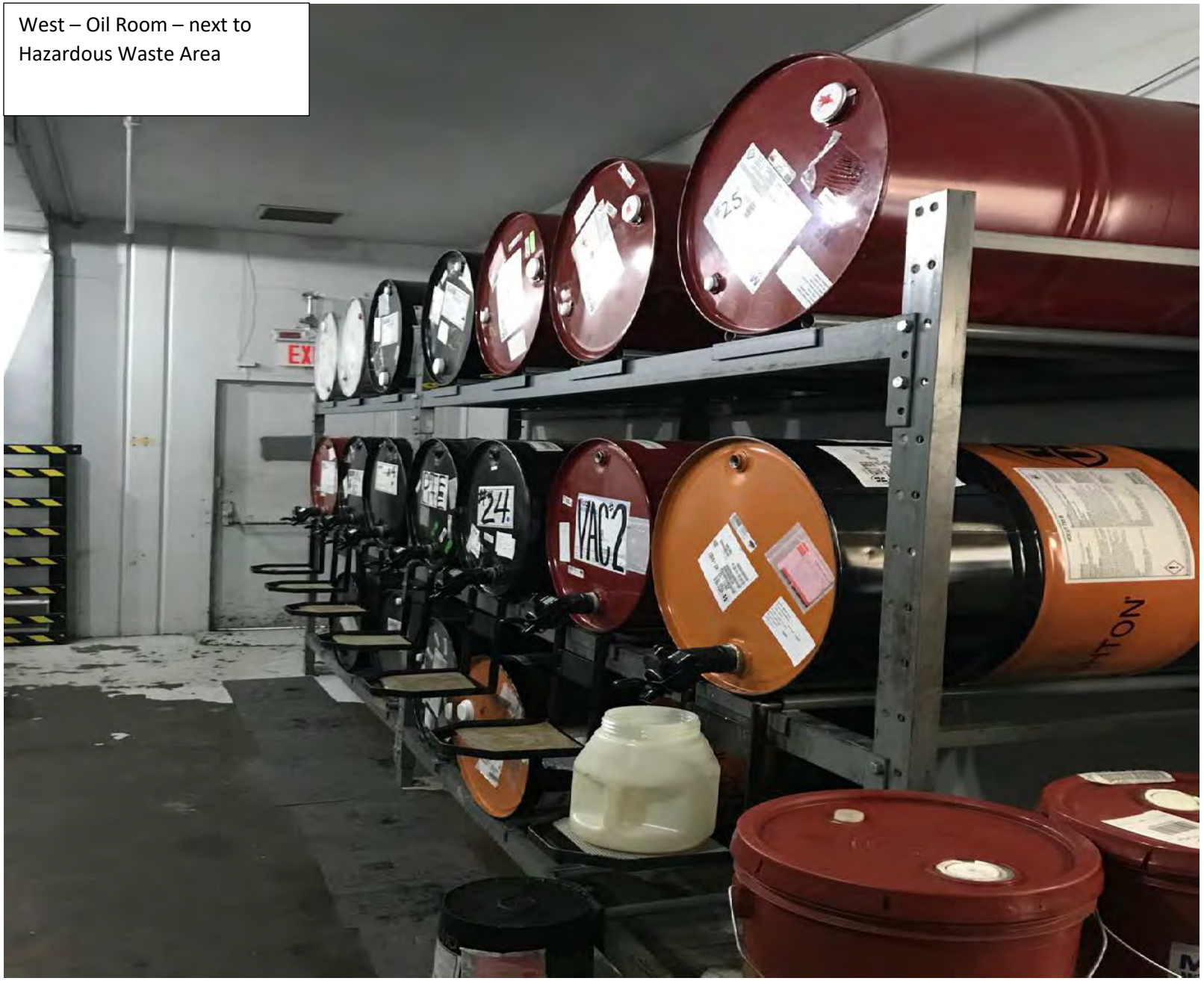
West – Evaporator holding tanks and oil drums

West – Hazardous Waste Storage Area

West – Oil Room – next to Hazardous Waste Area

West – Oil Room – next to Hazardous Waste Area

West – Oil Room – next to Hazardous Waste Area

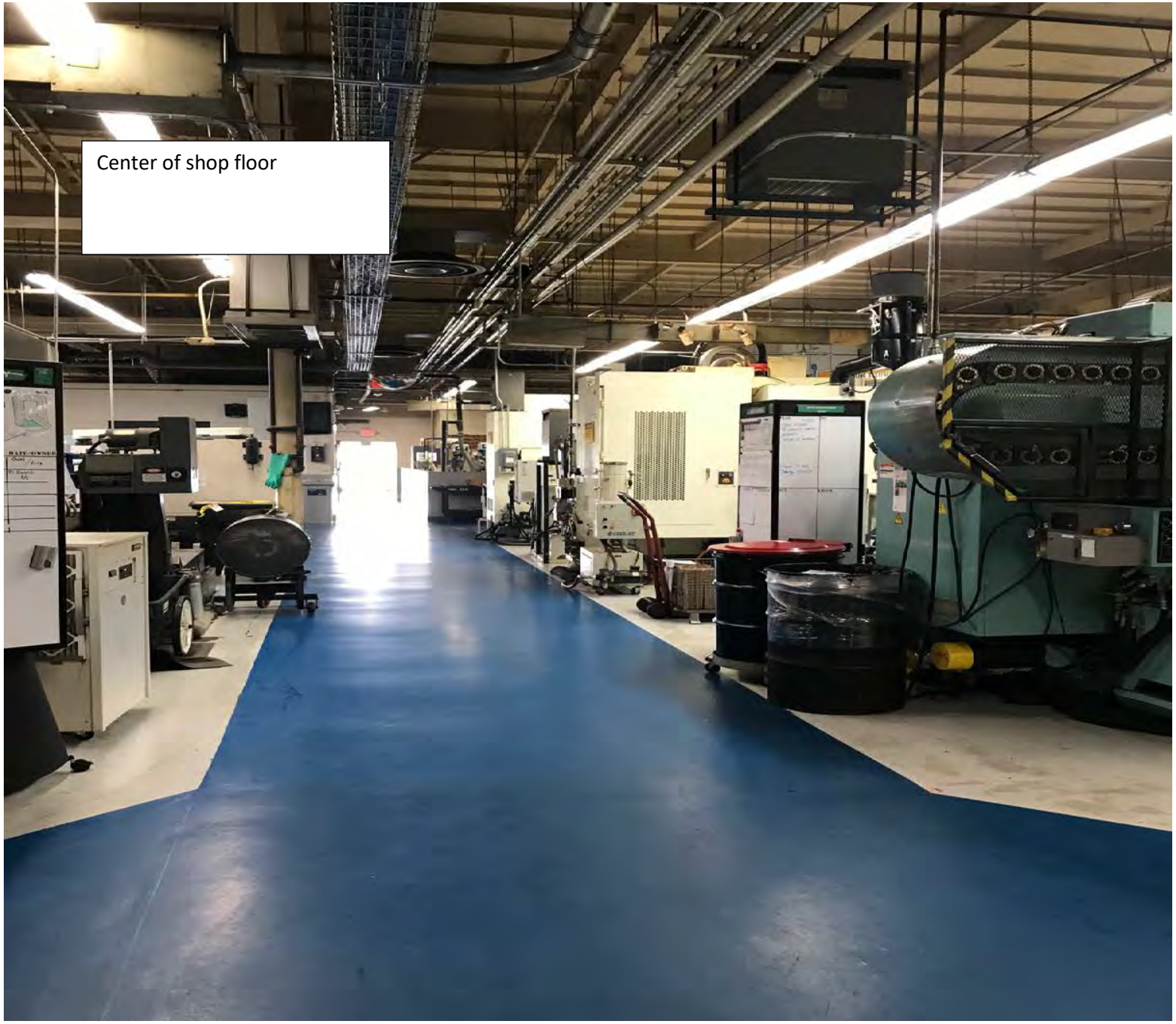


East- Pump Room trench

East- Pump Room trench

East- Pump Room trench

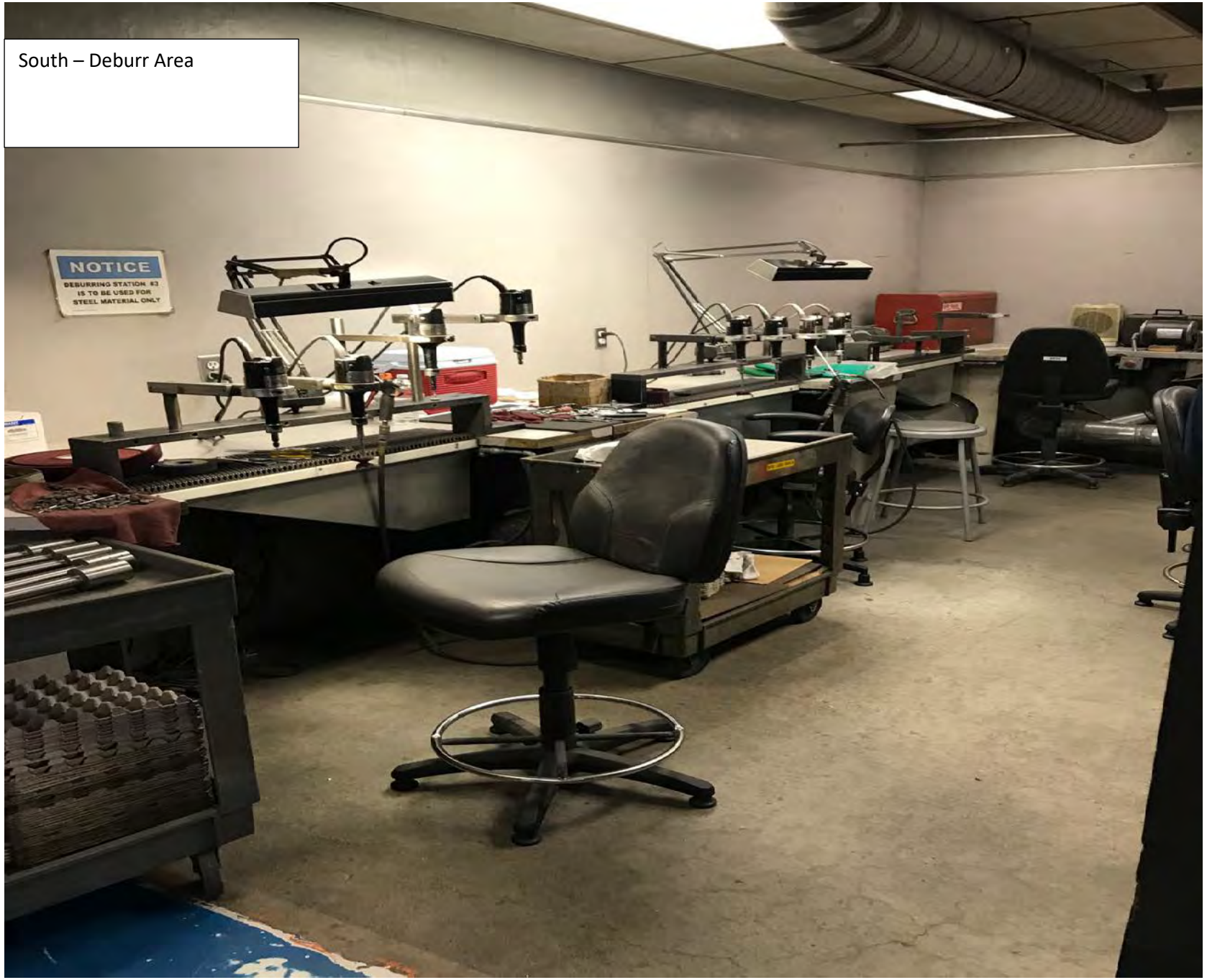
East- Pump Room trench with sump pump


Center of shop floor

Center of shop floor

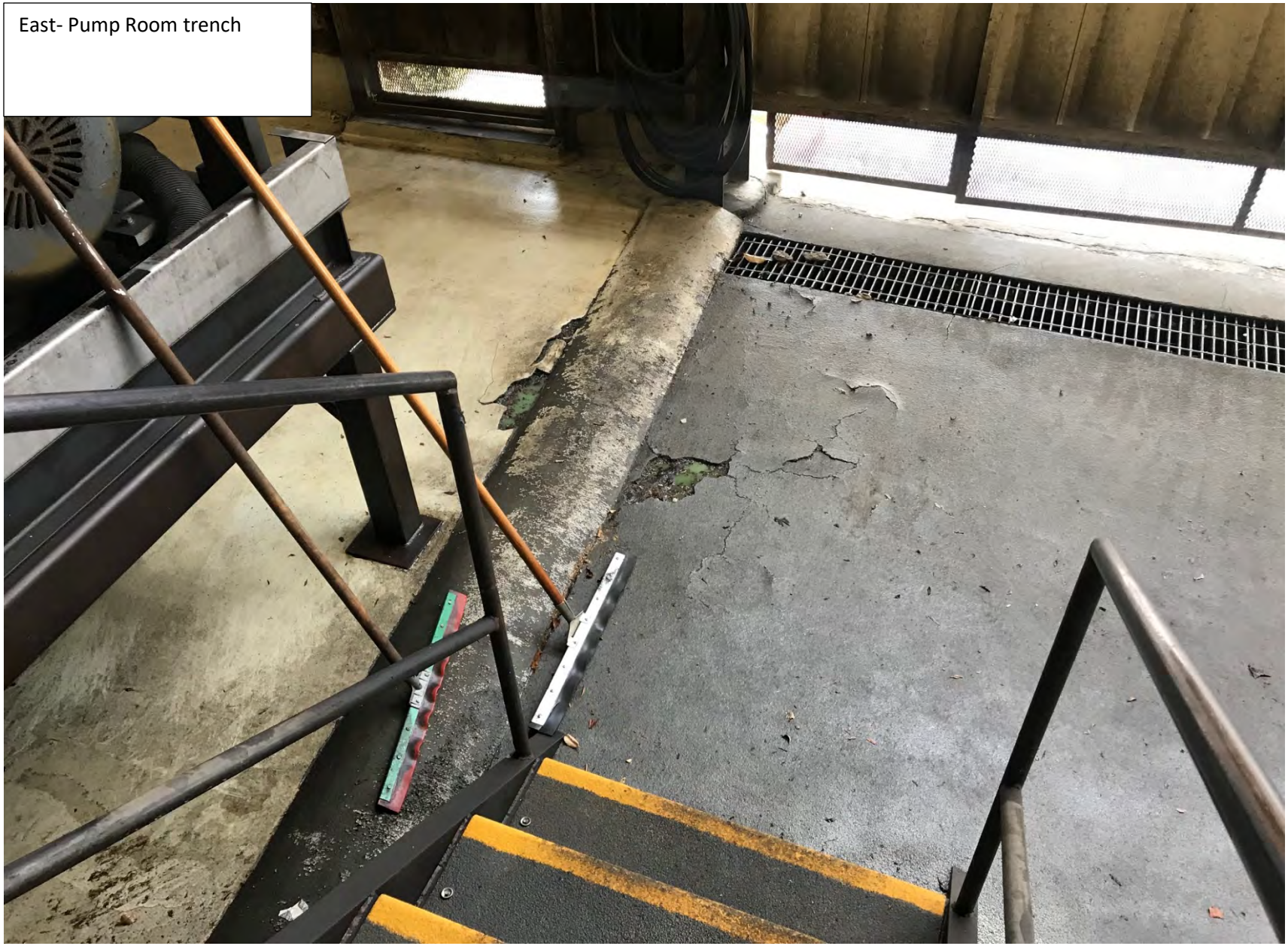
Center of shop floor

South – Deburr Area



East- Pump Room Cleaning Tanks with Daraclean 282?

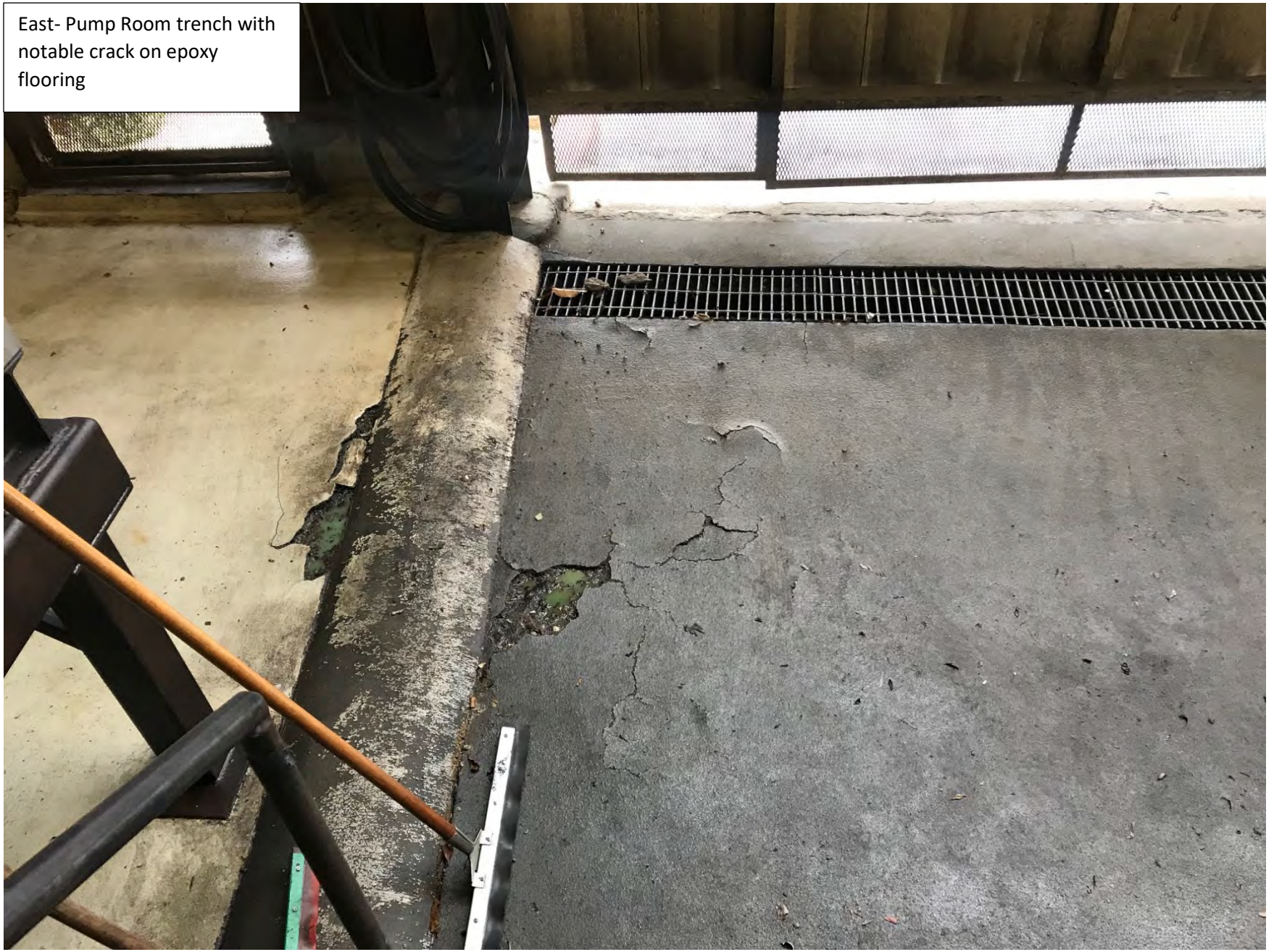
East- Pump Room trench




USED OIL
ONLY


USED OIL
ONLY
KEEP LID
CLOSED

East- Pump Room trench with notable crack on epoxy flooring



Appendix B

Environmental Data Resources (EDR) Radius Report

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.2s
March 23, 2018

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (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

1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

COORDINATES

Latitude (North):	34.1336810 - 34° 8' 1.25''
Longitude (West):	117.9689270 - 117° 58' 8.13''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410658.5
UTM Y (Meters):	3777207.5
Elevation:	486 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630601 AZUSA, CA
Version Date:	2012
South Map:	5619056 BALDWIN PARK, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FORMER GE AVIATION S	1700 BUSINESS CENTER	CA ENVIROSTOR, CA VCP, CA HIST UST, CA NPDES		TP
A2	WOODWARD HRT	1700 BUSINESS CENTER	RCRA-SQG, ICIS, FINDS, ECHO		TP
A3	HYDRAULIC UNITS INC	1700 BUSINESS CTR DR	CA EMI		TP
A4	DOWTY AEROSPACE LOS	1700 BUSINESS CENTER	CA HAZNET, CA NPDES		TP
A5	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA SWEEPS UST, CA HIST UST, CA FID UST, CA HAZNET,...		TP
A6	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA LOS ANGELES CO. HMS		TP
A7	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA LOS ANGELES CO. HMS		TP
A8	HYDRAULIC UNITS INC	1700 BUSINESS CENTER	CA AST, CA LOS ANGELES CO. HMS, CA NPDES		TP
A9		1700 BUSINESS CENTER	CA AST		TP
B10	HOLMES BODY SHOP INC	1801 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Lower	63, 0.012, SSE
B11	PIONEER ELECTRONICS	1801 HIGHLAND AVE	CA HIST UST	Lower	63, 0.012, SSE
B12	PIONEER ELECTRONICS	1801 HIGHLAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	63, 0.012, SSE
B13	(FORMERLY) PIONEER E	1801 S HIGHLAND AVE	CA FID UST	Lower	63, 0.012, SSE
C14	GOLDEN STATE HYDRAUL	1718 HIGHLAND AVE UN	RCRA-SQG, FINDS, ECHO, CA WIP	Higher	115, 0.022, East
C15	HOLMES BODY SHOP DUA	1718 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Higher	115, 0.022, East
16	FIBRWRAP CONSTRUCTIO	1710 EVERGREEN STREE	RCRA-CESQG	Higher	303, 0.057, North
D17	RAIN BIRD CONSUMER P	1750 EVERGREEN	RCRA-SQG, FINDS, ECHO	Higher	348, 0.066, ENE
D18	DISCOPY LABS INC	1848 EVERGREEN AVE	RCRA-SQG, FINDS, ECHO	Higher	374, 0.071, ENE
19	SARI ART AND PRINTIN	1803 BUSINESS CENTER	RCRA-SQG, FINDS, ECHO, CA HAZNET	Higher	386, 0.073, East
E20	PACIFIC SCIENTIFIC -	1800 HIGHLAND AVE.	CA HIST UST, CA EMI, CA HAZNET, CA NPDES, CA WDS,...	Higher	420, 0.080, ESE
E21	PACIFIC SCIENTIFIC	1800 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO	Higher	420, 0.080, ESE
22	CITY OF HOPE MEDICAL	1500 E DUARTE RD	RCRA-LQG, CA UST, CA AST, CA SWEEPS UST, CA HIST...	Lower	452, 0.086, WSW
F23	ASSEMBLY AUTOMATION	1858 BUSINESS CTR DR	RCRA-SQG, FINDS, ECHO, CA HAZNET	Higher	813, 0.154, East
G24	IBIS SYSTEMS INC	1850 EVERGEEN DR	RCRA NonGen / NLR, FINDS, ECHO	Higher	820, 0.155, ENE
F25	OCCUPANT	1802 SANTO DOMINGO A	CA WIP	Higher	858, 0.162, East
F26	MAJESTIC PARTY SALES	1857 BUSINESS CTR DR	CA HIST UST	Higher	897, 0.170, East
F27	MAJESTIC PARTY SALES	1857 BUSINESS CENTER	CA HIST UST	Higher	897, 0.170, East
G28	APPLE GRAPHICS INC	1858 EVERGREEN ST	RCRA-SQG, FINDS, ECHO, CA HAZNET, CA LOS ANGELES...	Higher	920, 0.174, ENE
29	DUARTE NISSAN	1440 CENTRAL	CA SWEEPS UST	Lower	951, 0.180, NW
G30	FEDERICOS BAKERY	1860 EVERGREEN DR	CA HIST UST	Higher	1083, 0.205, ENE
G31	FEDERICO'S BAKERY	1860 EVERGREEN ST	CA HIST UST	Higher	1083, 0.205, ENE
H32	HOFFMAN EDUCATIONAL	1863 BUSINESS CENTER	CA WIP	Higher	1145, 0.217, East
33	HOPE CITY OF MEDICAL	1500 E DUARTE RD	NY MANIFEST	Lower	1185, 0.224, WSW
34	FREDRICKS DEVELOPMEN	1315 HIGHLAND AVE	CA SWEEPS UST	Higher	1268, 0.240, NNE
H35	CUSTOMATION IND ARTS	1956 E EVERGREEN AVE	RCRA-SQG, FINDS, ECHO	Higher	1268, 0.240, ENE
36	DUARTE AUTO CENTER	1713 HUNTINGTON DR E	CA LUST, CA HIST CORTESE, CA LOS ANGELES CO. HMS	Higher	2076, 0.393, North
37	CHEVRON #9-4104	1815 BUENA VISTA ST	CA LUST, CA HIST CORTESE	Lower	2144, 0.406, WSW
38	CITY OF DUARTE	1427 BUENA VISTA ST	CA LUST, CA HIST CORTESE, CA LOS ANGELES CO. HMS	Higher	2282, 0.432, WNW
39	JOHN'S FOREIGN CAR R	1405 HUNTINGTON DR	CA LUST, CA HIST UST, CA LOS ANGELES CO. HMS	Higher	2571, 0.487, NW

MAPPED SITES SUMMARY

Target Property Address:
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	FORMER LERNER'S GAS	2107 HUNTINGTON DRIV	CA ENVIROSTOR	Higher	3028, 0.573, NE
41	TDH PRECIOUS METAL R	2300 E CENTRAL AVE	CA ENVIROSTOR, LA Co. Site Mitigation	Higher	3476, 0.658, ENE
42	SOUTHWEST PRODUCTION	2240 BUENA VISTA	RCRA-SQG, CA ENVIROSTOR, CA LUST, CA VCP, CA HIST...	Lower	3653, 0.692, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FORMER GE AVIATION S 1700 BUSINESS CENTER DUARTE, CA 91010	CA ENVIROSTOR Facility Id: 71002242 Status: No Further Action CA VCP Status: No Further Action Facility Id: 71002242 CA HIST UST Facility Id: 00000020927 CA NPDES	N/A
WOODWARD HRT 1700 BUSINESS CENTER DUARTE, CA 91010	RCRA-SQG EPA ID:: CAD008503112 ICIS FRS ID:: 110000476556 FINDS Registry ID:: 110000476556 ECHO Registry ID: 110000476556	CAD008503112
HYDRAULIC UNITS INC 1700 BUSINESS CTR DR DUARTE, CA 91010	CA EMI Facility Id: 44777	N/A
DOWTY AEROSPACE LOS 1700 BUSINESS CENTER DUARTE, CA 91010	CA HAZNET GEPAID: CAD008503112 CA NPDES	N/A
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA SWEEPS UST Status: A Comp Number: 686 CA HIST UST CA FID UST Facility Id: 19000025 Status: A CA HAZNET GEPAID: CAL000382267 CA NPDES Facility Status: Active CA WDS	N/A

	Facility Status: A Facility Id: 4 19I016617 CA WIP	
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA LOS ANGELES CO. HMS Facility ID: 000682-047499	N/A
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA LOS ANGELES CO. HMS Facility ID: 000682-036535 Facility ID: 000682-051399 Facility ID: 000682-054781	N/A
HYDRAULIC UNITS INC 1700 BUSINESS CENTER DUARTE, CA 91010	CA AST CA LOS ANGELES CO. HMS Facility ID: 000682-I00686 Facility ID: 000682-057940 Facility ID: 000682-020114 Facility ID: 008970-000686 CA NPDES Facility Status: Terminated	N/A
1700 BUSINESS CENTER 1700 BUSINESS CENTER DUARTE, CA	CA AST	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

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

CA RESPONSE..... State Response Sites

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

CA SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CA SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
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

CA BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN	San Gabriel Valley Areas of Concern
US HIST CDL	Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites	Historical Calsites Database
CA SCH	School Property Evaluation Program
CA CDL	Clandestine Drug Labs
CA Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

CA LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
CA DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CA CHMIRS	California Hazardous Material Incident Report System
CA LDS	Land Disposal Sites Listing
CA MCS	Military Cleanup Sites Listing
CA 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
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data

COAL ASH EPA - Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER - PCB Transformer Registration Database
RADINFO - Radiation Information Database
HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS - Incident and Accident Data
CONSENT - Superfund (CERCLA) Consent Decrees
INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CA Cortese - "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings - CUPA Resources List
CA DRYCLEANERS - Cleaner Facilities
CA ENF - Enforcement Action Listing
CA Financial Assurance - Financial Assurance Information Listing
CA ICE - ICE
CA HWP - EnviroStor Permitted Facilities Listing
CA HWT - Registered Hazardous Waste Transporter Database
CA MINES - Mines Site Location Listing
CA MWMP - Medical Waste Management Program Listing
CA PEST LIC - Pesticide Regulation Licenses Listing
CA PROC - Certified Processors Database
CA Notify 65 - Proposition 65 Records
CA UIC - UIC Listing
CA WASTEWATER PITS - Oil Wastewater Pits Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL	*1500 E DUARTE RD*	*WSW 0 - 1/8 (0.086 mi.)*	*22*	*60*

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 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOLDEN STATE HYDRAUL	*1718 HIGHLAND AVE UN*	*E 0 - 1/8 (0.022 mi.)*	*C14*	*38*
HOLMES BODY SHOP DUA	*1718 HIGHLAND AVE*	*E 0 - 1/8 (0.022 mi.)*	*C15*	*40*
RAIN BIRD CONSUMER P	*1750 EVERGREEN*	*ENE 0 - 1/8 (0.066 mi.)*	*D17*	*43*
DISCOPY LABS INC	*1848 EVERGREEN AVE*	*ENE 0 - 1/8 (0.071 mi.)*	*D18*	*45*
SARI ART AND PRINTIN	*1803 BUSINESS CENTER*	*E 0 - 1/8 (0.073 mi.)*	*19*	*47*
PACIFIC SCIENTIFIC	*1800 HIGHLAND AVE*	*ESE 0 - 1/8 (0.080 mi.)*	*E21*	*58*
ASSEMBLY AUTOMATION	*1858 BUSINESS CTR DR*	*E 1/8 - 1/4 (0.154 mi.)*	*F23*	*124*
APPLE GRAPHICS INC	*1858 EVERGREEN ST*	*ENE 1/8 - 1/4 (0.174 mi.)*	*G28*	*130*
CUSTOMATION IND ARTS	*1956 E EVERGREEN AVE*	*ENE 1/8 - 1/4 (0.240 mi.)*	*H35*	*138*

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOLMES BODY SHOP INC	*1801 HIGHLAND AVE*	*SSE 0 - 1/8 (0.012 mi.)*	*B10*	*34*

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIBRWRAP CONSTRUCTIO	1710 EVERGREEN STREE	N 0 - 1/8 (0.057 mi.)	16	42

State- and tribal - equivalent CERCLIS

CA 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 CA ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 3 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER LERNER'S GAS Facility Id: 70000050 Status: Refer: Local Agency	2107 HUNTINGTON DRIV	NE 1/2 - 1 (0.573 mi.)	40	150
TDH PRECIOUS METAL R Facility Id: 71003333 Status: Refer: Other Agency	***2300 E CENTRAL AVE***	***ENE 1/2 - 1 (0.658 mi.)***	***41***	***151***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST PRODUCTION Facility Id: 19340773 Status: No Further Action	***2240 BUENA VISTA***	***SW 1/2 - 1 (0.692 mi.)***	***42***	***152***

State and tribal leaking storage tank lists

CA 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 CA LUST list, as provided by EDR, has revealed that there are 4 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-06089	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.393 mi.)***	***36***	***140***

Global Id: T0603704718
Global ID: T0603704718
Status: Case Closed

CITY OF DUARTE ***1427 BUENA VISTA ST*** ***WNW 1/4 - 1/2 (0.432 mi.)*** ***38*** ***144***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Facility Id: I-14948
Global Id: T0603704232
Global ID: T0603704232
Status: Case Closed

JOHN'S FOREIGN CAR R ***1405 HUNTINGTON DR*** ***NW 1/4 - 1/2 (0.487 mi.)*** ***39*** ***147***
Database: LUST, Date of Government Version: 03/12/2018
Status: Open - Inactive
Global Id: T0603706372

Lower Elevation	Address	Direction / Distance	Map ID	Page

CHEVRON #9-4104 ***1815 BUENA VISTA ST*** ***WSW 1/4 - 1/2 (0.406 mi.)*** ***37*** ***142***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Facility Id: I-10657
Global Id: T0603703645
Global ID: T0603703645
Status: Case Closed

State and tribal registered storage tank lists

CA 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 CA UST list, as provided by EDR, has revealed that there is 1 CA UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page

CITY OF HOPE MEDICAL ***1500 E DUARTE RD*** ***WSW 0 - 1/8 (0.086 mi.)*** ***22*** ***60***
Database: UST, Date of Government Version: 12/11/2017
Facility Id: LACoFA0009297
Facility Id: 169

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there is 1 CA AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page

CITY OF HOPE MEDICAL ***1500 E DUARTE RD*** ***WSW 0 - 1/8 (0.086 mi.)*** ***22*** ***60***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA 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 CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREDRICKS DEVELOPMEN Status: A Comp Number: 12449	1315 HIGHLAND AVE	NNE 1/8 - 1/4 (0.240 mi.)	34	138

Lower Elevation	Address	Direction / Distance	Map ID	Page
PIONEER ELECTRONICS Comp Number: 6221	***1801 HIGHLAND AVE***	***SSE 0 - 1/8 (0.012 mi.)***	***B12***	***37***
CITY OF HOPE MEDICAL Status: A Tank Status: A Comp Number: 169	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***60***
DUARTE NISSAN Status: A Tank Status: A Comp Number: 14079	1440 CENTRAL	NW 1/8 - 1/4 (0.180 mi.)	29	134

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC SCIENTIFIC - Facility Id: 00000034002	***1800 HIGHLAND AVE.***	***ESE 0 - 1/8 (0.080 mi.)***	***E20***	***50***
MAJESTIC PARTY SALES	1857 BUSINESS CTR DR	E 1/8 - 1/4 (0.170 mi.)	F26	129
MAJESTIC PARTY SALES Facility Id: 00000041132	1857 BUSINESS CENTER	E 1/8 - 1/4 (0.170 mi.)	F27	130
FEDERICOS BAKERY	1860 EVERGREEN DR	ENE 1/8 - 1/4 (0.205 mi.)	G30	134
FEDERICO'S BAKERY Facility Id: 00000046910	1860 EVERGREEN ST	ENE 1/8 - 1/4 (0.205 mi.)	G31	135

Lower Elevation	Address	Direction / Distance	Map ID	Page
PIONEER ELECTRONICS Facility Id: 00000020936	1801 HIGHLAND AVE	SSE 0 - 1/8 (0.012 mi.)	B11	36
CITY OF HOPE MEDICAL	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***60***

Facility Id: 00000019026

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 2 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
(FORMERLY) PIONEER E Facility Id: 19001157 Status: I	1801 S HIGHLAND AVE	SSE 0 - 1/8 (0.012 mi.)	B13	38
CITY OF HOPE MEDICAL Facility Id: 19000157 Status: A	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***60***

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
IBIS SYSTEMS INC	***1850 EVERGEEN DR***	***ENE 1/8 - 1/4 (0.155 mi.)***	***G24***	***127***

CA 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 CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER Reg Id: R-06089	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.393 mi.)***	***36***	***140***
CITY OF DUARTE Reg Id: I-14948	***1427 BUENA VISTA ST***	***WNW 1/4 - 1/2 (0.432 mi.)***	***38***	***144***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104 Reg Id: I-10657	***1815 BUENA VISTA ST***	***WSW 1/4 - 1/2 (0.406 mi.)***	***37***	***142***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOPE CITY OF MEDICAL EPA ID: CAD066698408	1500 E DUARTE RD	WSW 1/8 - 1/4 (0.224 mi.)	33	136

CA WIP: Well Investigation Program case in the San Gabriel and San Fernando Valley area.

A review of the CA WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there are 4 CA WIP sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOLDEN STATE HYDRAUL	***1718 HIGHLAND AVE UN***	***E 0 - 1/8 (0.022 mi.)***	***C14***	***38***
PACIFIC SCIENTIFIC -	***1800 HIGHLAND AVE.***	***ESE 0 - 1/8 (0.080 mi.)***	***E20***	***50***
OCCUPANT	1802 SANTO DOMINGO A	E 1/8 - 1/4 (0.162 mi.)	F25	129
HOFFMAN EDUCATIONAL	1863 BUSINESS CENTER	E 1/8 - 1/4 (0.217 mi.)	H32	136

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
WEST VALLEY BASE - SECURITY PAVING	CA SWF/LF

OVERVIEW MAP - 5233268.2S

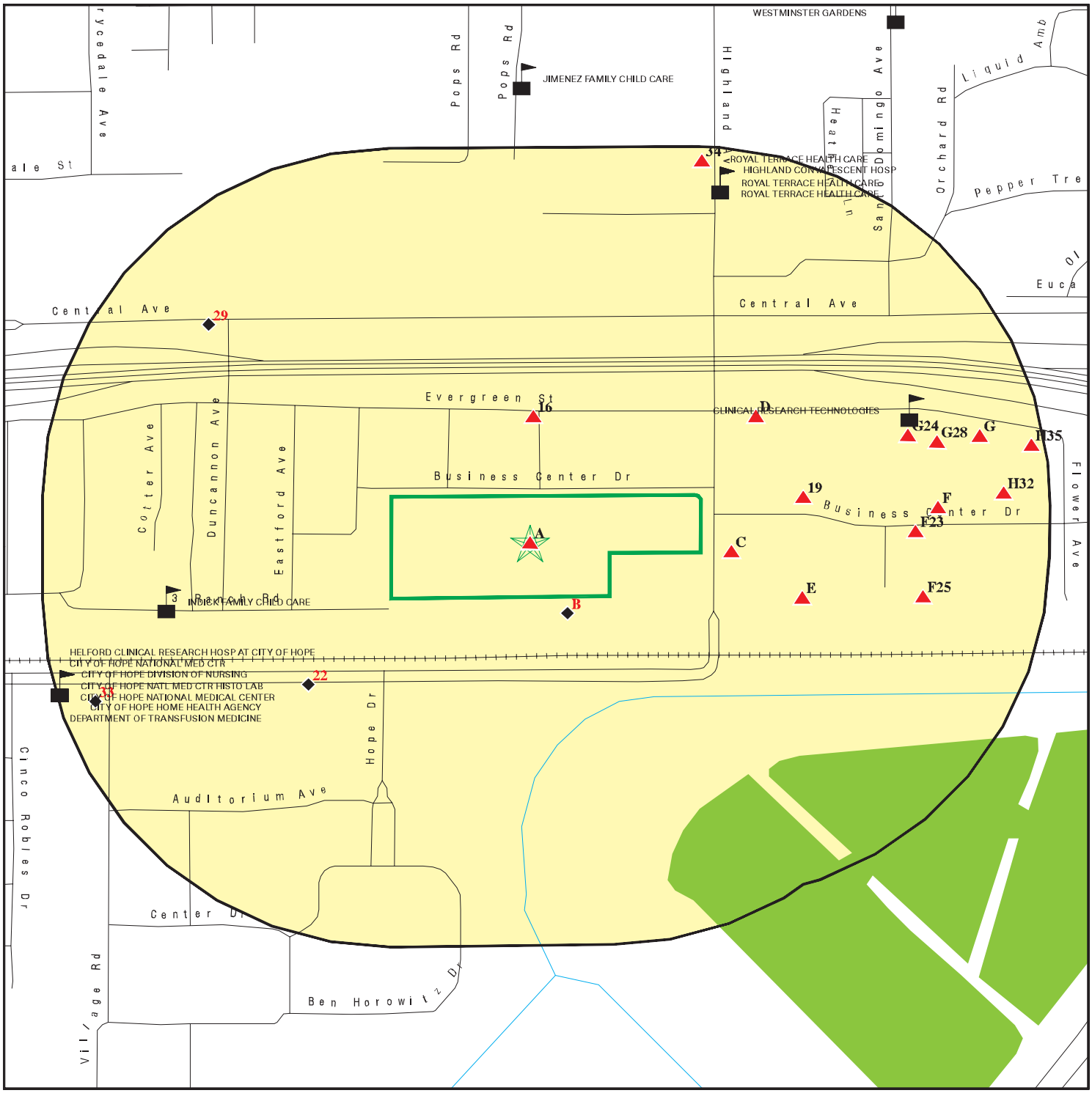
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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: Duarte Phase I ESA	CLIENT: Catlayst Environmnetal Solutions
ADDRESS: 1700 Business Center Drive Duarte CA 91010	CONTACT: Justin Campbell
LAT/LONG: 34.133681 / 117.968927	INQUIRY #: 5233268.2s DATE: March 23, 2018 6:20 pm

DETAIL MAP - 5233268.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duarte Phase I ESA	CLIENT: Catlayst Environmnetal Solutions
ADDRESS: 1700 Business Center Drive Duarte CA 91010	CONTACT: Justin Campbell INQUIRY #: 5233268.2s
LAT/LONG: 34.133681 / 117.968927	DATE: March 23, 2018 6:21 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	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	0	NR	NR	0
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		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	7	3	NR	NR	NR	11
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000	1	0	0	0	3	NR	4
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		0	0	4	NR	NR	4

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
CA SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		1	0	NR	NR	NR	1
CA AST	0.250	2	1	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250	1	2	2	NR	NR	NR	5
CA HIST UST	0.250	2	3	4	NR	NR	NR	9
CA FID UST	0.250	1	2	0	NR	NR	NR	3
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	0.001	1	0	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001	2	0	NR	NR	NR	NR	2
CA ICE	0.001		0	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		0	0	3	NR	NR	3
CA LOS ANGELES CO. HMS	0.001	3	0	NR	NR	NR	NR	3
CA HWP	1.000		0	0	0	0	NR	0
CA HWT	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	0.001		0	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	0.001	4	0	NR	NR	NR	NR	4
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
CA UIC	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001	1	0	NR	NR	NR	NR	1
CA WIP	0.250	1	2	2	NR	NR	NR	5
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		24	20	13	7	3	0	67

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property — **FORMER GE AVIATION SYSTEMS**, **1700 BUSINESS CENTER DRIVE**, **DUARTE, CA 91010**

Database(s): **CA ENVIROSTOR, CA VCP, CA HIST UST, CA NPDES**

EDR ID Number: **U001566475**

EPA ID Number: **N/A**

Site 1 of 9 in cluster A

Actual: 486 ft.

ENVIROSTOR:

Facility ID:	71002242
Status:	No Further Action
Status Date:	08/07/2014
Site Code:	301656
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	9
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Narine Aghakiant
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	48
Senate:	25
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.13368
Longitude:	-117.9689
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC:	TPH-diesel TPH-MOTOR OIL Tributyl phosphate
Confirmed COC:	Tributyl phosphate TPH-diesel TPH-MOTOR OIL
Potential Description:	SOIL
Alias Name:	DOWTY AEROSPACE LOS ANGELES
Alias Type:	Alternate Name
Alias Name:	CAD008503112
Alias Type:	EPA Identification Number
Alias Name:	110000476556
Alias Type:	EPA (FRS #)
Alias Name:	301656
Alias Type:	Project Code (Site Code)
Alias Name:	Not reported
Alias Type:	Project Code (Site Code)
Alias Name:	71002242
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/17/2014
Comments:	DTSC agrees with the Report request for No Further Action (NFA) determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	07/17/2014
Comments:	Not reported

FORMER GE AVIATION SYSTEMS (Continued) **U001566475**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/29/2014
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

VCP:

Facility ID:	71002242
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	9
National Priorities List:	NO
Cleanup Oversight Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Lead Agency Description:	Not reported
Project Manager:	Narine Aghakiant
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301656
Assembly:	48
Senate:	25
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	08/07/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.13368 / -117.9689
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC:	30024, 3002502, 30559
Confirmed COC:	30559,30024,3002502
Potential Description:	SOIL
Alias Name:	DOWTY AEROSPACE LOS ANGELES
Alias Type:	Alternate Name
Alias Name:	CAD008503112
Alias Type:	EPA Identification Number
Alias Name:	110000476556
Alias Type:	EPA (FRS #)
Alias Name:	301656
Alias Type:	Project Code (Site Code)
Alias Name:	Not reported
Alias Type:	Project Code (Site Code)
Alias Name:	71002242
Alias Type:	Envirostor ID Number

Completed Info:

FORMER GE AVIATION SYSTEMS (Continued) **U001566475**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/17/2014
Comments: DTSC agrees with the Report request for No Further Action (NFA) determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/29/2014
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

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000020927
Facility Type: Not reported
Other Type: MACHINE SHOP
Contact Name: Not reported
Telephone: 8183599211
Owner Name: HYDRAULIC UNITS, INC.
Owner Address: 1700 BUSINESS CENTER DRIVE
Owner City,St,Zip: DUARTE, CA 91010
Total Tanks: 0002

Tank Num: 001
Container Num: #1
Year Installed: 1964
Tank Capacity: 00004060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: #2
Year Installed: 1962
Tank Capacity: 00002011
Tank Used for: WASTE

FORMER GE AVIATION SYSTEMS (Continued) **U001566475**

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	343304
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I021513
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:	02/25/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/02/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	03/27/2013
PLACE SIZE:	7.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lisa Saylor
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	626-359-9211
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	lisa.saylor@GE.com
OPERATOR NAME:	GE Aviation Systems LLC
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:	Private Individual
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

FORMER GE AVIATION SYSTEMS (Continued) **U001566475**

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:	Y
RECEIVING WATER NAME:	Unnamed tributary to Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3728-Aircraft Parts and Auxiliary Equipment, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

A2 **WOODWARD HRT** **RCRA-SQG** **1000385001**
Target **1700 BUSINESS CENTER DR** **ICIS** **CAD008503112**
Property **DUARTE, CA 91010** **FINDS**
ECHO

Site 2 of 9 in cluster A

Actual:
486 ft.

RCRA-SQG:

Date form received by agency:	02/07/2013
Facility name:	WOODWARD HRT
Facility address:	1700 BUSINESS CENTER DR DUARTE, CA 91010
EPA ID:	CAD008503112
Mailing address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact:	LONNIE R OLSEN
Contact address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010
Contact country:	US
Contact telephone:	626-249-0753
Contact email:	LONNIE.OLSEN@GE.COM
EPA Region:	09
Land type:	Private
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:	WOODWARD INC
Owner/operator address:	Not reported Not reported

WOODWARD HRT (Continued) **1000385001**

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/29/2012
Owner/Op end date: Not reported

Owner/operator name: WOODWARD INC
Owner/operator address: 1000 E DRAKE RD
FORT COLLINS, CO 80525
Owner/operator country: US
Owner/operator telephone: 970-482-5811
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: 12/29/2012
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 135
. Waste name: Unspecified aqueous solution

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

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

WOODWARD HRT (Continued) **1000385001**

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

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

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 02/27/2012
Site name: GE AVIATION SYTEMS, LLC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

WOODWARD HRT (Continued) **1000385001**

. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 01/07/2008
Site name: GE AVIATION SYSTEMS LLC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/27/2004
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

WOODWARD HRT (Continued) **1000385001**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/27/2004
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification: Small Quantity Generator

Date form received by agency: 07/10/2001
Site name: SMITHS AEROSPACE ACTUATION
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 09/01/1996
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1996
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Site name: DOWTY AEROSPACE LA
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: DOWTY AEROSPACE LOS ANGELES
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS
Classification: Large Quantity Generator

Date form received by agency: 06/30/1980
Site name: SMITHS AEROSPACE ACTUATION
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 02/23/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

ICIS:

WOODWARD HRT (Continued) **1000385001**

Enforcement Action ID:	HQ-2010-8007
FRS ID:	110000476556
Action Name:	GE Aviation
Facility Name:	WOODWARD HRT-DUARTE
Facility Address:	1700 BUSINESS CENTER DRIVE DUARTE, CA 91010-2859
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	LOS ANGELES
Program System Acronym:	TRIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13424
Longitude in Decimal Degrees:	-117.96874
Permit Type Desc:	Not reported
Program System Acronym:	91010DWTYR1700B
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:

Registry ID: 110000476556

Environmental Interest/Information System

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

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

ECHO:

Envid:	1000385001
Registry ID:	110000476556

WOODWARD HRT (Continued) **1000385001**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000476556

A3 **HYDRAULIC UNITS INC** **CA EMI** **S106832867**
Target **1700 BUSINESS CTR DR** **N/A**
Property **DUARTE, CA 91010**

Site 3 of 9 in cluster A

Actual: **486 ft.**

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	44777
Air District Name:	SC
SIC Code:	3492
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

A4 **DOWTY AEROSPACE LOS ANGELES** **CA HAZNET** **S112999527**
Target **1700 BUSINESS CENTER DR** **CA NPDES** **N/A**
Property **DUARTE, CA 91010**

Site 4 of 9 in cluster A

Actual: **486 ft.**

HAZNET:

envid:	S112999527
Year:	2013
GEPAID:	CAD008503112
Contact:	LONNIE OLSEN
Telephone:	6262490753
Mailing Name:	Not reported
Mailing Address:	1700 BUSINESS CENTER DR
Mailing City,St,Zip:	DUARTE, CA 910102859
Gen County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	16.856
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	S112999527
Year:	2013
GEPAID:	CAD008503112
Contact:	LONNIE OLSEN

DOWTY AEROSPACE LOS ANGELES (Continued) **S112999527**

Telephone: 6262490753
Mailing Name: Not reported
Mailing Address: 1700 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 910102859
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 14.595
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S112999527
Year: 2013
GEPAID: CAD008503112
Contact: LONNIE OLSEN
Telephone: 6262490753
Mailing Name: Not reported
Mailing Address: 1700 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 910102859
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.2
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: S112999527
Year: 2012
GEPAID: CAD008503112
Contact: LONNIE OLSEN/EHS MANAGER
Telephone: 6262490753
Mailing Name: Not reported
Mailing Address: 1700 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 910102859
Gen County: Los Angeles
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.018
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112999527
Year: 2012
GEPAID: CAD008503112
Contact: LONNIE OLSEN/EHS MANAGER

DOWTY AEROSPACE LOS ANGELES (Continued) **S112999527**

Telephone:	6262490753
Mailing Name:	Not reported
Mailing Address:	1700 BUSINESS CENTER DR
Mailing City,St,Zip:	DUARTE, CA 910102859
Gen County:	Los Angeles
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.018
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
1230 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	448990
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C370738
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:	01/13/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	08/22/2014
PROCESSED DATE:	09/03/2014
STATUS CODE NAME:	Terminated
STATUS DATE:	06/17/2015
PLACE SIZE:	5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Lori Hansen
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-586-5474
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	lhansen@bergmankprs.com
OPERATOR NAME:	Woodward HRT
OPERATOR ADDRESS:	1700 Business Center Drive
OPERATOR CITY:	Duarte
OPERATOR STATE:	California
OPERATOR ZIP:	91010
OPERATOR CONTACT NAME:	Emma Kasmanian
OPERATOR CONTACT TITLE:	EHS Manager
OPERATOR CONTACT PHONE:	626-305-7979

DOWTY AEROSPACE LOS ANGELES (Continued) **S112999527**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Emma.Kasmanian@woodward.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Bergman KPRS Construction
DEVELOPER ADDRESS:	2850 Saturn Street Suite 100
DEVELOPER CITY:	Brea
DEVELOPER STATE:	California
DEVELOPER ZIP:	92821
DEVELOPER CONTACT NAME:	Lori Hansen
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	Y
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Kerry Keller
CERTIFIER TITLE:	Manager Global EHS
CERTIFICATION DATE:	22-AUG-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

A5 **SMITHS AEROSPACE ACTUATION** **CA SWEEPS UST** **1000353954**
Target **1700 BUSINESS CENTER DR** **CA HIST UST** **N/A**
Property **DUARTE, CA 91010** **CA FID UST**
CA HAZNET
Site 5 of 9 in cluster A **CA NPDES**
CA WDS
Actual: **CA WIP**
486 ft.

SWEEPS UST:

Status:	Active
Comp Number:	686
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00026F10
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026F10.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19000025
Regulated By: UTNKA
Regulated ID: 00020927
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 1700 E BUSINESS CENTER DR
Mailing Address 2: Not reported
Mailing City,St,Zip: DUARTE
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:
envid: 1000353954
Year: 2016
GEPAID: CAL000382267
Contact: DANIEL A. SALDANA
Telephone: 6617025783

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

Mailing Name:	Not reported
Mailing Address:	25200 W RYE CANYON RD
Mailing City,St,Zip:	VALENCIA, CA 913551265
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.076
Cat Decode:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1000353954
Year:	2016
GEPAID:	CAL000382267
Contact:	DANIEL A. SALDANA
Telephone:	6617025783
Mailing Name:	Not reported
Mailing Address:	25200 W RYE CANYON RD
Mailing City,St,Zip:	VALENCIA, CA 913551265
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.192
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1000353954
Year:	2016
GEPAID:	CAL000382267
Contact:	DANIEL A. SALDANA
Telephone:	6617025783
Mailing Name:	Not reported
Mailing Address:	25200 W RYE CANYON RD
Mailing City,St,Zip:	VALENCIA, CA 913551265
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	142.592
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1000353954
Year:	2016

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

GEPAID: CAL000382267
Contact: DANIEL A. SALDANA
Telephone: 6617025783
Mailing Name: Not reported
Mailing Address: 25200 W RYE CANYON RD
Mailing City,St,Zip: VALENCIA, CA 913551265
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7115
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1000353954
Year: 2016
GEPAID: CAL000382267
Contact: DANIEL A. SALDANA
Telephone: 6617025783
Mailing Name: Not reported
Mailing Address: 25200 W RYE CANYON RD
Mailing City,St,Zip: VALENCIA, CA 913551265
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.4485
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

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

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 435225
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I024098
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 02/22/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Woodward Inc

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

Discharge Address:	1000 East Drake Road
Discharge City:	Fort Collins
Discharge State:	Colorado
Discharge Zip:	80522
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
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

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	435225
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I024098
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	02/22/2013
PROCESSED DATE:	02/22/2013
STATUS CODE NAME:	Active
STATUS DATE:	01/26/2016
PLACE SIZE:	7.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Emma Kasmanian
FACILITY CONTACT TITLE:	EHS Site Leader
FACILITY CONTACT PHONE:	626-305-7979
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Emma.Kasmanian@woodward.com
OPERATOR NAME:	Woodward Inc
OPERATOR ADDRESS:	1000 East Drake Road
OPERATOR CITY:	Fort Collins
OPERATOR STATE:	Colorado
OPERATOR ZIP:	80522
OPERATOR CONTACT NAME:	Emma Kasmanian
OPERATOR CONTACT TITLE:	EHS Site Leader
OPERATOR CONTACT PHONE:	970-482-5811
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Emma.Kasmanian@woodward.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

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

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:	san gabriel river
CERTIFIER NAME:	Emma Kasmanian
CERTIFIER TITLE:	EHS Site Leader
CERTIFICATION DATE:	01-JUL-15
PRIMARY SIC:	3728-Aircraft Parts and Auxiliary Equipment, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I016617
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	6263599211
Facility Contact:	TIM NEUMANN
Agency Name:	SMITHS AEROSPACE ACTUATION
Agency Address:	1700 Business Center Dr
Agency City,St,Zip:	Duarte 910102859
Agency Contact:	TIM NEUMANN
Agency Telephone:	6263599211
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

SMITHS AEROSPACE ACTUATION (Continued) **1000353954**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:
Region: 4
File Number: 106.2045
File Status: Not reported
Staff: DRASMUSS
Facility Suite: Not reported

A6 **SMITHS AEROSPACE ACTUATION SYS** **CA LOS ANGELES CO. HMS** **S108240050**
Target Property **1700 BUSINESS CENTER DR** **N/A**
DUARTE, CA 91010

Site 6 of 9 in cluster A

Actual: 486 ft.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: S
Facility Id: 000682-047499
Facility Type: S6
Facility Status: Closed
Area: 3R
Permit Number: CGI016617
Permit Status: Closed

A7 **SMITHS AEROSPACE ACTUATION SYS** **CA LOS ANGELES CO. HMS** **S105193546**
Target Property **1700 BUSINESS CENTER DR** **N/A**
DUARTE, CA 91010

Site 7 of 9 in cluster A

Actual: 486 ft.

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 000682-036535
Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

Region: LA
Permit Category: I
Facility Id: 000682-051399
Facility Type: 01

SMITHS AEROSPACE ACTUATION SYS (Continued) **S105193546**

Facility Status: Closed
Area: 3R
Permit Number: 000J20245
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 000682-051399
Facility Type: 01
Facility Status: Closed
Area: 3R
Permit Number: 000J20244
Permit Status: Closed

Region: LA
Permit Category: Not reported
Facility Id: 000682-054781
Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

A8 **HYDRAULIC UNITS INC (CLOSED)** **CA AST** **S105034012**
Target **1700 BUSINESS CENTER DR** **CA LOS ANGELES CO. HMS** **N/A**
Property **DUARTE, CA 91010** **CA NPDES**

Site 8 of 9 in cluster A

Actual: **486 ft.**

AST:
Certified Unified Program Agencies: Not reported
Owner: Woodward Inc
Total Gallons: Not reported
CERSID: 10283281
Facility ID: LACoFA0006174
Business Name: Woodward HRT
Phone: 626-249-0753
Fax: Not reported
Mailing Address: 1700 BUSINESS CENTER DR
Mailing Address City: DUARTE
Mailing Address State: CA
Mailing Address Zip Code: 91010
Operator Name: Woodward HRT
Operator Phone: 626-249-0753
Owner Phone: (970) 482-5811
Owner Mail Address: 1000 East Drake Road
Owner State: CO
Owner Zip Code: 80522
Owner Country: United States
Property Owner Name: Woodward HRT
Property Owner Phone: (661) 294-6000
Property Owner Mailing Address: 25200 West Rye Canyon Road
Property Owner City: Santa Clarita
Property Owner Stat : CA
Property Owner Zip Code: 91355
Property Owner Country: United States
EPAID: CAD008503112

HYDRAULIC UNITS INC (CLOSED) (Continued) **S105034012**

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 000682-I00686
Facility Type: 01
Facility Status: Permit
Area: 3R
Permit Number: 000009538
Permit Status: Suspended

Region: LA
Permit Category: I
Facility Id: 000682-I00686
Facility Type: 01
Facility Status: Permit
Area: 3R
Permit Number: 000009539
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 000682-057940
Facility Type: 01
Facility Status: Permit
Area: 3R
Permit Number: 000021237
Permit Status: Permit

Region: LA
Permit Category: Not reported
Facility Id: 000682-020114
Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

Region: LA
Permit Category: T
Facility Id: 008970-000686
Facility Type: 0
Facility Status: Removed
Area: 3R
Permit Number: 00000752T
Permit Status: Removed

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 445455
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 4 19C369583

HYDRAULIC UNITS INC (CLOSED) (Continued) **S105034012**

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:	05/02/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	04/29/2014
PROCESSED DATE:	04/30/2014
STATUS CODE NAME:	Terminated
STATUS DATE:	06/05/2017
PLACE SIZE:	7.6
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tom Witek
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	909-212-5211
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Chris.Bratty@rasmithnational.com
OPERATOR NAME:	BergmanKPRS LLC
OPERATOR ADDRESS:	Suite 100
OPERATOR CITY:	Brea
OPERATOR STATE:	California
OPERATOR ZIP:	92821
OPERATOR CONTACT NAME:	Tom Witek
OPERATOR CONTACT TITLE:	Project Manager
OPERATOR CONTACT PHONE:	909-212-5211
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Chris.Bratty@rasmithnational.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Bergman KPRS
DEVELOPER ADDRESS:	2121 South Haven Avenue Suite 100
DEVELOPER CITY:	Ontario
DEVELOPER STATE:	California
DEVELOPER ZIP:	91761
DEVELOPER CONTACT NAME:	Tom Witek
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N

HYDRAULIC UNITS INC (CLOSED) (Continued) **S105034012**

CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Rolf Tillmann
CERTIFIER TITLE:	Project Manager
CERTIFICATION DATE:	28-APR-17
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	445455
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C369583
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/30/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/02/2017
Discharge Name:	BergmanKPRS LLC
Discharge Address:	Suite 100
Discharge City:	Brea
Discharge State:	California
Discharge Zip:	92821
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

HYDRAULIC UNITS INC (CLOSED) (Continued) **S105034012**

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:	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

A9 **CA AST** **A100344616**
Target Property **1700 BUSINESS CENTER DR** **N/A**
DUARTE, CA

Site 9 of 9 in cluster A

Actual: 486 ft.

AST:

Certified Unified Program Agencies:	Los Angeles County
Owner:	GE AVIATION SYSTEMS
Total Gallons:	3701
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported

(Continued) **A100344616**

Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

B10 **HOLMES BODY SHOP INC** **RCRA-SQG** **1000298574**
SSE **1801 HIGHLAND AVE** **FINDS** **CAD097032882**
< 1/8 **DUARTE, CA 91010** **ECHO**
0.012 mi. **CA LOS ANGELES CO. HMS**
63 ft. **Site 1 of 4 in cluster B**

Relative: **Lower**

Actual: **485 ft.**

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: HOLMES BODY SHOP INC
Facility address: 1801 HIGHLAND AVE
DUARTE, CA 91010
EPA ID: CAD097032882
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: HOLMES BODY SHOP INC
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

HOLMES BODY SHOP INC (Continued) **1000298574**

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: 12/25/1985
Site name: HOLMES BODY SHOP INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002665349

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.

Registry ID: 110011648618

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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

ECHO:
Envid: 1000298574
Registry ID: 110002665349
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002665349

HOLMES BODY SHOP INC (Continued) **1000298574**

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 006007-I08964
Facility Type: 02
Facility Status: Closed
Area: 3R
Permit Number: 000010264
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 006007-I08973
Facility Type: 01
Facility Status: Removed
Area: 3R
Permit Number: 000012125
Permit Status: Removed

Region: LA
Permit Category: Not reported
Facility Id: 006007-008964
Facility Type: Not reported
Facility Status: OPEN
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

B11 **PIONEER ELECTRONICS INC** **CA HIST UST** **U001566483**
SSE **1801 HIGHLAND AVE** **N/A**
< 1/8 **DUARTE, CA 91010**
0.012 mi.
63 ft. **Site 2 of 4 in cluster B**

Relative: **Lower**
Actual: **485 ft.**

HIST UST:
File Number: 00027D4B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027D4B.pdf
Region: STATE
Facility ID: 00000020936
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: WALTER H. BIELY
Telephone: 8183599271
Owner Name: PIONEER ELECTRONICS TECH. INC.
Owner Address: 1801 HIGHLAND AVENUE
Owner City,St,Zip: DUARTE, CA 91010
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1966
Tank Capacity: 00000763
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

PIONEER ELECTRONICS INC (Continued) **U001566483**

Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	003
Container Num:	3
Year Installed:	1966
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

B12 **PIONEER ELECTRONICS TECH** **CA SWEEPS UST** **S105034013**
SSE **1801 HIGHLAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **DUARTE, CA 91010**
0.012 mi.
63 ft. **Site 3 of 4 in cluster B**

Relative:
Lower

Actual:
485 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	6221
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-006221-000001
Tank Status:	Not reported
Capacity:	763
Active Date:	Not reported
Tank Use:	EMPTY
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	006007-006221
Facility Type:	0
Facility Status:	Removed
Area:	3R
Permit Number:	00000134T
Permit Status:	Removed

Region:	LA
Permit Category:	I
Facility Id:	006007-I06221

PIONEER ELECTRONICS TECH (Continued) **S105034013**

Facility Type: 02
Facility Status: Closed
Area: 3R
Permit Number: 000008565
Permit Status: Closed

B13 **(FORMERLY) PIONEER ELECTRONICS** **CA FID UST** **S101582711**
SSE **1801 S HIGHLAND AVE** **N/A**
< 1/8 **DUARTE, CA 91010**
0.012 mi.
63 ft. **Site 4 of 4 in cluster B**

Relative: **Lower**
Actual: **485 ft.**

CA FID UST:
Facility ID: 19001157
Regulated By: UTNKI
Regulated ID: 00020936
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 17835 VENTURA BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: DUARTE 91010
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

C14 **GOLDEN STATE HYDRAULICS** **RCRA-SQG** **1000820056**
East **1718 HIGHLAND AVE UNIT A** **FINDS** **CAD983660770**
< 1/8 **DUARTE, CA 91010** **ECHO**
0.022 mi. **CA WIP**
115 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**
Actual: **494 ft.**

RCRA-SQG:
Date form received by agency: 02/25/1993
Facility name: GOLDEN STATE HYDRAULICS
Facility address: 1718 HIGHLAND AVE UNIT A
DUARTE, CA 91010
EPA ID: CAD983660770
Mailing address: HIGHLAND AVE UNIT A
DUARTE, CA 91010
Contact: LAWRENCE PLEWNIAK
Contact address: 1718 HIGHLAND AVE UNIT A
DUARTE, CA 91010
Contact country: US
Contact telephone: 818-305-4247
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

GOLDEN STATE HYDRAULICS (Continued) **1000820056**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	GOLDEN STATE HYDRAULICS
Owner/operator address:	1718 HIGHLAND AVE DUARTE, CA 91010
Owner/operator country:	Not reported
Owner/operator telephone:	818-305-4247
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: 110009550798

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:	1000820056
Registry ID:	110009550798
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009550798

GOLDEN STATE HYDRAULICS (Continued) **1000820056**

WIP:
Region: 4
File Number: 106.2048
File Status: Not reported
Staff: UNIDENTIFIED
Facility Suite: Not reported

C15 **HOLMES BODY SHOP DUARTE INC** **RCRA-SQG** **1000685944**
East **1718 HIGHLAND AVE** **FINDS** **CAD983629106**
< 1/8 **DUARTE, CA 91010** **ECHO**
0.022 mi. **CA LOS ANGELES CO. HMS**
115 ft. **Site 2 of 2 in cluster C**

Relative: Higher

Actual: 494 ft.

RCRA-SQG:
Date form received by agency: 09/27/1994
Facility name: HOLMES BODY SHOP DUARTE INC
Facility address: 1718 HIGHLAND AVE
DUARTE, CA 91010
EPA ID: CAD983629106
Contact: JOHN TARRANT
Contact address: 1718 HIGHLAND AVE
DUARTE, CA 91010
Contact country: US
Contact telephone: 818-357-9407
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: HOLMES BODY SHOP DUARTE INC
Owner/operator address: 1718 HIGHLAND AVE
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: 818-357-9407
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

HOLMES BODY SHOP DUARTE INC (Continued) **1000685944**

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: 110055747946

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002872972

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

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

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

ECHO:
Envid: 1000685944
Registry ID: 110002872972
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002872972

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 016507-021883
Facility Type: 01
Facility Status: Closed
Area: 3R
Permit Number: 000111109
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 016507-058106
Facility Type: 01
Facility Status: Permit
Area: 3R
Permit Number: 000761161
Permit Status: Permit

16
North
< 1/8
0.057 mi.
303 ft.

FIBRWRAP CONSTRUCTION INC
1710 EVERGREEN STREET
DUARTE, CA 91702

RCRA-CESQG

1008402359
CAR000130260

Relative:
Higher

Actual:
489 ft.

RCRA-CESQG:

Date form received by agency:	10/21/2002
Facility name:	FIBRWRAP CONSTRUCTION INC
Facility address:	1710 EVERGREEN STREET DUARTE, CA 91702
EPA ID:	CAR000130260
Contact:	JUSTIN S YABROF
Contact address:	1710 EVERGREEN STREET DUARTE, CA 91702
Contact country:	US
Contact telephone:	626-358-9840
Telephone ext.:	14
Contact email:	Not reported
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	HEATH CARR
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1995
Owner/Op end date:	Not reported
Owner/operator name:	EDWARD FYFE
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

FIBRWRAP CONSTRUCTION INC (Continued) **1008402359**

Owner/Operator Type: Owner
Owner/Op start date: 01/01/1988
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

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

Violation Status: No violations found

D17 **RAIN BIRD CONSUMER PROD MFG CORP** **RCRA-SQG** **1000304163**
ENE **1750 EVERGREEN** **FINDS** **CAD098601685**
< 1/8 **DUARTE, CA 91010** **ECHO**
0.066 mi.
348 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
498 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: RAIN BIRD CONSUMER PROD MFG CORP
Facility address: 1750 EVERGREEN
DUARTE, CA 91010
EPA ID: CAD098601685
Mailing address: PO BOX 37
GLENDORA, CA 91740
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

RAIN BIRD CONSUMER PROD MFG CORP (Continued) **1000304163**

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: ANTHONY W LA FETRA
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

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: 01/28/1981
Site name: RAIN BIRD CONSUMER PROD MFG CORP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002665893

Environmental Interest/Information System

RAIN BIRD CONSUMER PROD MFG CORP (Continued) **1000304163**

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: 1000304163
Registry ID: 110002665893
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002665893

D18 **DISCOPY LABS INC** **RCRA-SQG** **1000395284**
ENE **1848 EVERGREEN AVE** **FINDS** **CAD982518052**
< 1/8 **DUARTE, CA 91010** **ECHO**
0.071 mi.
374 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**
Actual: **499 ft.**

RCRA-SQG:
Date form received by agency: 04/02/1993
Facility name: DISCOPY LABS INC
Facility address: 1848 EVERGREEN AVE
DUARTE, CA 91010
EPA ID: CAD982518052
Contact: BETTY SLIPP
Contact address: 14772 PLAZA DR
TUSTIN, CA 92680
Contact country: US
Contact telephone: 714-730-9000
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: LEWIS PROPERTIES
Owner/operator address: 14772 PLAZA DR
TUSTIN, CA 92680
Owner/operator country: Not reported
Owner/operator telephone: 714-730-9000
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

DISCOPY LABS INC (Continued) **1000395284**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002839616

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: 1000395284
Registry ID: 110002839616
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002839616

19
East
< 1/8
0.073 mi.
386 ft.

SARI ART AND PRINTING
1803 BUSINESS CENTER DR
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO
CA HAZNET

1004677140
CAR000093666

Relative:
Higher

Actual:
499 ft.

RCRA-SQG:

Date form received by agency:	03/20/2001
Facility name:	SARI ART AND PRINTING
Facility address:	1803 BUSINESS CENTER DR DUARTE, CA 91010
EPA ID:	CAR000093666
Contact:	JOHN HALLO
Contact address:	1803 BUSINESS CENTER DR DUARTE, CA 91010
Contact country:	US
Contact telephone:	626-305-0888
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:	MEI CHING TAN
Owner/operator address:	1803 BUSINESS CENTER DR DUARTE, CA 91010
Owner/operator country:	Not reported
Owner/operator telephone:	626-305-0888
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

. Waste code: D001

SARI ART AND PRINTING (Continued) **1004677140**

. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012243483

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

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

ECHO:

Envid:	1004677140
Registry ID:	110012243483
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012243483

HAZNET:

envid:	1004677140
Year:	2004
GEPAID:	CAR000093666
Contact:	JOHN TAN/GENERAL MANAGER
Telephone:	6263050888
Mailing Name:	Not reported
Mailing Address:	720 N TODD AVENUE
Mailing City,St,Zip:	AZUSA, CA 917020000
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:	0.45
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

SARI ART AND PRINTING (Continued) **1004677140**

envid: 1004677140
Year: 2003
GEPAID: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
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: 0.32
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1004677140
Year: 2002
GEPAID: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
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: 0.11
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1004677140
Year: 2002
GEPAID: CAR000093666
Contact: JOHN TAN/GENERAL MANAGER
Telephone: 6263050888
Mailing Name: Not reported
Mailing Address: 720 N TODD AVENUE
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.21
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1004677140
Year: 2001
GEPAID: CAR000093666

SARI ART AND PRINTING (Continued) **1004677140**

Contact:	JOHN TAN/GENERAL MANAGER
Telephone:	6263050888
Mailing Name:	Not reported
Mailing Address:	720 N TODD AVENUE
Mailing City,St,Zip:	AZUSA, CA 917020000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	0.47
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

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

E20 **PACIFIC SCIENTIFIC - HTL DIVIS** **CA HIST UST** **U001566474**
ESE **1800 HIGHLAND AVE.** **CA EMI** **N/A**
< 1/8 **DUARTE, CA 91010** **CA HAZNET**
0.080 mi. **CA NPDES**
420 ft. **Site 1 of 2 in cluster E** **CA WDS**
CA WIP

Relative: Higher

Actual: 496 ft.

HIST UST:

File Number:	000262A6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000262A6.pdf
Region:	STATE
Facility ID:	00000034002
Facility Type:	Other
Other Type:	AEROSPACE HOWE
Contact Name:	Not reported
Telephone:	8183599317
Owner Name:	ALLEGHENY INTERNATIONAL
Owner Address:	TWO OLIVER PLAZA, P.O. BOX 456
Owner City,St,Zip:	PITTSBURGH, PA 15230
Total Tanks:	0001
Tank Num:	001
Container Num:	1-1500-3
Year Installed:	1979
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3444

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
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:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3599
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	1
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:	1996
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	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:	1997
County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

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: 1998
County Code: 19
Air Basin: SC
Facility ID: 57300
Air District Name: SC
SIC Code: 3728
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: 5
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: 1999
County Code: 19
Air Basin: SC
Facility ID: 57300
Air District Name: SC
SIC Code: 3728
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: 5
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: 2000
County Code: 19
Air Basin: SC
Facility ID: 57300
Air District Name: SC
SIC Code: 3728
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: 5
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: 2001

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

County Code:	19
Air Basin:	SC
Facility ID:	57300
Air District Name:	SC
SIC Code:	3728
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:	5
Reactive Organic Gases Tons/Yr:	4
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

HAZNET:

envid:	U001566474
Year:	2013
GEPAID:	CAC002729388
Contact:	GLENN SPETTA
Telephone:	5164733704
Mailing Name:	Not reported
Mailing Address:	75 MAXESS RD
Mailing City,St,Zip:	MELVILLE, NY 117473151
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	U001566474
Year:	2013
GEPAID:	CAC002729388
Contact:	GLENN SPETTA
Telephone:	5164733704
Mailing Name:	Not reported
Mailing Address:	75 MAXESS RD
Mailing City,St,Zip:	MELVILLE, NY 117473151
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	U001566474
Year:	2013

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

GEPAID:	CAC002729388
Contact:	GLENN SPETTA
Telephone:	5164733704
Mailing Name:	Not reported
Mailing Address:	75 MAXESS RD
Mailing City,St,Zip:	MELVILLE, NY 117473151
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

NPDES:

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	189751
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I009090
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/07/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/28/2015
Discharge Name:	HTL Pacific Scientific
Discharge Address:	1800 Highland Ave
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010
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

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

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
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
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	189751
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I009090
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:	08/28/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

PROCESSED DATE:	11/07/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	09/01/2015
PLACE SIZE:	150800
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Jon Hanson
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	626-434-1994
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	HTL Pacific Scientific
OPERATOR ADDRESS:	1800 Highland Ave
OPERATOR CITY:	Duarte
OPERATOR STATE:	California
OPERATOR ZIP:	91010
OPERATOR CONTACT NAME:	Jon Hanson
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	626-434-1994
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
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:	626-434-1194
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:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3728-Aircraft Parts and Auxiliary Equipment, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

PACIFIC SCIENTIFIC - HTL DIVIS (Continued) **U001566474**

WDS:

Facility ID:	4 19I009090
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	6264341194
Facility Contact:	LARRY T CONSTANTINO
Agency Name:	PAC SCIENTIFIC
Agency Address:	1800 Highland Ave
Agency City,St,Zip:	Duarte 910102895
Agency Contact:	LARRY T CONSTANTINO
Agency Telephone:	6264341194
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WIP:

Region:	4
File Number:	106.2047
File Status:	**Not reported**
Staff:	DRASMUSS
Facility Suite:	Not reported

E21
ESE
< 1/8
0.080 mi.
420 ft.

PACIFIC SCIENTIFIC
1800 HIGHLAND AVE
DUARTE, CA 91010

Site 2 of 2 in cluster E

RCRA-SQG
FINDS
ECHO

1000101327
CAD056444656

Relative:
Higher

Actual:
496 ft.

RCRA-SQG:

Date form received by agency:	06/03/2010
Facility name:	PACIFIC SCIENTIFIC
Facility address:	1800 HIGHLAND AVE DUARTE, CA 91010
EPA ID:	CAD056444656
Contact:	LARRY T CONSTANTINO
Contact address:	1800 HIGHLAND AVE. DUARTE, CA 91010
Contact country:	US
Contact telephone:	626-434-1194
Contact email:	LCONSTANTINO@HTL.PACSCI.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:	BROOKHILL CORPORATION
Owner/operator address:	2716 OCEAN PARK BLVD #2011 SANTA MONICA, CA 90406
Owner/operator country:	US
Owner/operator telephone:	310-314-2400
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported

Owner/operator name:	PACIFIC SCIENTIFIC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported

Owner/operator name:	ALLEGHENY LUDLWM INDUSTRIES INC
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

PACIFIC SCIENTIFIC (Continued) **1000101327**

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Historical Generators:
Date form received by agency: 09/01/1996
Site name: HTL ADVANCED TECHNOLOGY DIVISION
Classification: Small Quantity Generator

PACIFIC SCIENTIFIC (Continued) **1000101327**

Date form received by agency: 08/14/1980
Site name: HTL ADVANCED TECHNOLOGY DIVISION
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000476565

Environmental Interest/Information System
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

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

ECHO:
Envid: 1000101327
Registry ID: 110000476565
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000476565

22
WSW
< 1/8
0.086 mi.
452 ft.

Relative:
Lower

Actual:
472 ft.

CITY OF HOPE MEDICAL CENTER
1500 E DUARTE RD
DUARTE, CA 91010

RCRA-LQG **1000440531**
CA UST **CAD066698408**
CA AST
CA SWEEPS UST
CA HIST UST
CA FID UST
ICIS
US AIRS
CA EMI
CA LOS ANGELES CO. HMS
CA NPDES

RCRA-LQG:
Date form received by agency: 02/26/2016
Facility name: CITY OF HOPE MEDICAL CENTER

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility address:	1500 E. DUARTE RD. DUARTE, CA 91010
EPA ID:	CAD066698408
Mailing address:	E. DUARTE RD. DUARTE, CA 91010
Contact:	CHUCK PICKERING
Contact address:	E. DUARTE RD. DUARTE, CA 91010
Contact country:	US
Contact telephone:	626-256-4673
Telephone ext.:	85311
Contact email:	CPICKERING@COH.ORG
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CITY OF HOPE MEDICAL CENTER
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1913
Owner/Op end date:	Not reported

Owner/operator name:	CITY OF HOPE - ROBERT STONE, CEO
Owner/operator address:	E. DUARTE RD. DUARTE, CA 91010
Owner/operator country:	US
Owner/operator telephone:	626-256-4673
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2014
Owner/Op end date:	Not reported

Handler Activities Summary:

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

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

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

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

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

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

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

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P087
. Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U085
. Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

. Waste code: U108

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U172
. Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U236
. Waste name: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

. Waste code: U353
. Waste name: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE

. Waste code: U404
. Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Historical Generators:
Date form received by agency: 03/01/2014
Site name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P087
. Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U103
. Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

. Waste code: U117
. Waste name: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

. Waste code: U124
. Waste name: FURAN (I) (OR) FURFURAN (I)

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U328
. Waste name: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: U404
. Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Date form received by agency: 07/31/2012
Site name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P003
. Waste name: 2-PROPENAL (OR) ACROLEIN

. Waste code: P057
. Waste name: ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U189
. Waste name: PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)

Date form received by agency: 09/07/2010
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

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

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U103
. Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste name: PYRIDINE

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

Date form received by agency: 03/01/2008
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U170

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U219
. Waste name: THIOUREA

Date form received by agency: 02/21/2006
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 135
. Waste name: Unspecified aqueous solution

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

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

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

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

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

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P005
. Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

. Waste code: P014
. Waste name: BENZENETHIOL (OR) THIOPHENOL

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Date form received by agency: 02/16/2004
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U188
. Waste name: PHENOL

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Date form received by agency: 02/28/2002
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

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

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

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

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

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

. Waste code: U188
. Waste name: PHENOL

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U204
. Waste name: SELENIOUS ACID (OR) SELENIUM DIOXIDE

Date form received by agency: 10/12/2000
Site name: CITY OF HOPE NATIONAL MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Site name: CITY OF HOPE NATIONAL MEDICAL CTR.
Classification: Large Quantity Generator

Date form received by agency: 05/03/1994
Site name: CITY OF HOPE NAT. MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 05/16/1986
Site name: CITY OF HOPE MEDICAL CENTER
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 37106

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 33564

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	15340
Waste code:	D004
Waste name:	ARSENIC
Amount (Lbs):	13140
Waste code:	D005
Waste name:	BARIUM
Amount (Lbs):	13140
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	13140
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	13140
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	15340
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	14482
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	14876
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	15340
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	33564
Waste code:	D038
Waste name:	PYRIDINE
Amount (Lbs):	20424
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

SPENT SOLVENT MIXTURES.
Amount (Lbs): 33564

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35764

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20424

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 13140

Waste code: P042
Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
Amount (Lbs): 15340

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-
Amount (Lbs): 13140

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 13140

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 13140

Waste code: U007
Waste name: ACRYLAMIDE
Amount (Lbs): 13140

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs): 14482

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Waste code: U035
Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs): 1342

Waste code: U080
Waste name: METHANE, DICHLORO-
Amount (Lbs): 13140

Waste code: U085
Waste name: 2,2'-BIOXIRANE
Amount (Lbs): 13140

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE
Amount (Lbs): 13140

Waste code: U136
Waste name: ARSINIC ACID, DIMETHYL-
Amount (Lbs): 13140

Waste code: U172
Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-
Amount (Lbs): 13140

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 13140

Waste code: U201
Waste name: 1,3-BENZENEDIOL
Amount (Lbs): 13140

Waste code: U213
Waste name: FURAN, TETRAHYDRO-(I)
Amount (Lbs): 13140

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 13140

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)
Amount (Lbs): 13140

Waste code: U246
Waste name: CYANOGEN BROMIDE (CN)BR
Amount (Lbs): 13140

Waste code: U353
Waste name: BENZENAMINE, 4-METHYL-
Amount (Lbs): 13140

Waste code: U404
Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE
Amount (Lbs): 13140

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/20/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

UST:
Facility ID: LACoFA0009297
Permitting Agency: Los Angeles County Fire Department
Latitude: 34.1296
Longitude: -117.97372

Facility ID: 169
Permitting Agency: LOS ANGELES COUNTY
Latitude: 34.1309828
Longitude: -117.9694184

AST:
Certified Unified Program Agencies: Not reported
Owner: City of Hope Medical Center - Robert Stone
Total Gallons: Not reported
CERSID: 10399951
Facility ID: LACoFA0009297
Business Name: City of Hope Medical Center
Phone: 626-256-4673 X 0
Fax: Not reported
Mailing Address: 1500 E Duarte Rd.
Mailing Address City: Duarte
Mailing Address State: CA
Mailing Address Zip Code: 91010
Operator Name: City of Hope Medical Center
Operator Phone: 626-256-4673
Owner Phone: 626-256-4673
Owner Mail Address: 1500 E Duarte Rd.
Owner State: CA
Owner Zip Code: 91010
Owner Country: United States
Property Owner Name: City of Hope Medical Center - Robert Stone
Property Owner Phone: 626-256-4673
Property Owner Mailing Address: 1500 Duarte Rd
Property Owner City: Duarte
Property Owner Stat : CA
Property Owner Zip Code: 91010
Property Owner Country: United States
EPAID: CAD066698408

SWEEPS UST:

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000169-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000169-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000169-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000169-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 169
Number: 9
Board Of Equalization: 44-007397
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000169-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00027029
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027029.pdf
Region: STATE
Facility ID: 00000019026
Facility Type: Other
Other Type: MEDICAL CENTER
Contact Name: MEL JACKSON
Telephone: 8183598111
Owner Name: CITY OF HOPE MEDICAL CENTER
Owner Address: 1500 E. DUARTE RD.
Owner City,St,Zip: DUARTE, CA 91010
Total Tanks: 0005

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, Stock Inventor

Tank Num: 002
Container Num: SIN 838670
Year Installed: 1981
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
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: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19000157
Regulated By: UTNKA
Regulated ID: 00019026
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 208 W 008TH ST RM1100
Mailing Address 2: Not reported
Mailing City,St,Zip: DUARTE
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

ICIS:
Enforcement Action ID: CASCAA200140323
FRS ID: 110000831208
Action Name: NOV P63454 ISSUED ON 6/29/2016 FOR RULE 3003
Facility Name: CITY OF HOPE MEDICAL CENTER

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037C047800078
FRS ID:	110000831208
Action Name:	CITY OF HOPE MEDICAL CENTER 06037C047800078
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037C047800077
FRS ID:	110000831208
Action Name:	CITY OF HOPE MEDICAL CENTER 06037C047800077
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037C047800059

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

FRS ID:	110000831208
Action Name:	CITY OF HOPE MEDICAL CENTER 06037C047800059
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037C047800058
FRS ID:	110000831208
Action Name:	CITY OF HOPE MEDICAL CENTER 06037C047800058
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037C047800033
FRS ID:	110000831208
Action Name:	CITY OF HOPE MEDICAL CENTER 06037C047800033
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	1500 E DUARTE RD DUARTE, CA 910100000
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	8062
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.13222
Longitude in Decimal Degrees:	-117.97356
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037C0478
Facility NAICS Code:	622110

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C047800032
FRS ID: 110000831208
Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800032
Facility Name: CITY OF HOPE MEDICAL CENTER
Facility Address: 1500 E DUARTE RD
DUARTE, CA 910100000
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 8062
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.13222
Longitude in Decimal Degrees: -117.97356
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037C0478
Facility NAICS Code: 622110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C047800019
FRS ID: 110000831208
Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800019
Facility Name: CITY OF HOPE MEDICAL CENTER
Facility Address: 1500 E DUARTE RD
DUARTE, CA 910100000
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 8062
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.13222
Longitude in Decimal Degrees: -117.97356
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037C0478
Facility NAICS Code: 622110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C047800018
FRS ID: 110000831208
Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800018
Facility Name: CITY OF HOPE MEDICAL CENTER
Facility Address: 1500 E DUARTE RD
DUARTE, CA 910100000
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 8062
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.13222
Longitude in Decimal Degrees: -117.97356

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Permit Type Desc: Not reported
Program System Acronym: CASCA00006037C0478
Facility NAICS Code: 622110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C047800004
FRS ID: 110000831208
Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800004
Facility Name: CITY OF HOPE MEDICAL CENTER
Facility Address: 1500 E DUARTE RD
DUARTE, CA 910100000
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 8062
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.13222
Longitude in Decimal Degrees: -117.97356
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037C0478
Facility NAICS Code: 622110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037C047800003
FRS ID: 110000831208
Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800003
Facility Name: CITY OF HOPE MEDICAL CENTER
Facility Address: 1500 E DUARTE RD
DUARTE, CA 910100000
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 8062
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.13222
Longitude in Decimal Degrees: -117.97356
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037C0478
Facility NAICS Code: 622110
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000440531
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
D and B Number: Not reported
Facility Site Name: CITY OF HOPE MEDICAL CENTER
Primary SIC Code: 8062
NAICS Code: 622110
Default Air Classification Code: MAJ

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-11-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-03-18 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2012-01-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2013-05-29 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-09-01 00:00:00
Activity Status Date: 2015-10-01 18:03:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-09-01 00:00:00
Activity Status Date: 2015-10-01 18:05:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-09-02 00:00:00
Activity Status Date: 2016-09-07 17:45:02
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Date: 2010-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Date: 2014-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-25 00:00:00
Activity Status Date: 2006-04-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-20 00:00:00
Activity Status Date: 2009-11-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-08 00:00:00
Activity Status Date: 2011-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-16 00:00:00
Activity Status Date: 2013-04-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-08 00:00:00
Activity Status Date: 2006-03-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-30 00:00:00
Activity Status Date: 2009-06-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-18 00:00:00
Activity Status Date: 2011-08-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-18 00:00:00
Activity Status Date: 2012-09-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-08-12 19:35:40
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-11-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-08-25 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-03-18 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-01-05 00:00:00
Activity Group: Case File

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2013-05-29 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-27 00:00:00
Activity Status Date: 2015-10-01 18:04:22
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-09-01 00:00:00
Activity Status Date: 2015-10-01 18:03:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-09-01 00:00:00
Activity Status Date: 2015-10-01 18:05:08
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Date:	2016-09-02 00:00:00
Activity Status Date:	2016-09-07 17:45:02
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-09-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-09-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-08-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-08-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Activity Date: 2006-04-25 00:00:00
Activity Status Date: 2006-04-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-28 00:00:00
Activity Status Date: 2008-03-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-20 00:00:00
Activity Status Date: 2009-11-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-08 00:00:00
Activity Status Date: 2011-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-16 00:00:00
Activity Status Date: 2013-04-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-08 00:00:00
Activity Status Date: 2006-03-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-26 00:00:00
Activity Status Date: 2007-09-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-30 00:00:00
Activity Status Date: 2009-06-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-18 00:00:00
Activity Status Date: 2011-08-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037C0478
Facility Registry ID: 110000831208
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-18 00:00:00
Activity Status Date: 2012-09-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Region Code:	09
Programmatic ID:	AIR CASCA00006037C0478
Facility Registry ID:	110000831208
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2016-06-29 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	34
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	29
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:	1993
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	34
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:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	34
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:	1996
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	57
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	16
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	46
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	46
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.40673
Reactive Organic Gases Tons/Yr:	0.94
Carbon Monoxide Emissions Tons/Yr:	45.6462
NOX - Oxides of Nitrogen Tons/Yr:	5.31
SOX - Oxides of Sulphur Tons/Yr:	0.082113
Particulate Matter Tons/Yr:	0.38723
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.4

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	23194

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.032585
Reactive Organic Gases Tons/Yr:	.805224047
Carbon Monoxide Emissions Tons/Yr:	4.39
NOX - Oxides of Nitrogen Tons/Yr:	9.107
SOX - Oxides of Sulphur Tons/Yr:	.10083
Particulate Matter Tons/Yr:	.6648
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.6556005

Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.066337249075828562
Reactive Organic Gases Tons/Yr:	1.470262050000000000
Carbon Monoxide Emissions Tons/Yr:	7.470255
NOX - Oxides of Nitrogen Tons/Yr:	19.8311725
SOX - Oxides of Sulphur Tons/Yr:	.22520415
Particulate Matter Tons/Yr:	1.71008375
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.62008375

Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1621973054853001
Reactive Organic Gases Tons/Yr:	1.5502621000000001
Carbon Monoxide Emissions Tons/Yr:	7.840255
NOX - Oxides of Nitrogen Tons/Yr:	20.391169999999999
SOX - Oxides of Sulphur Tons/Yr:	0.23289779999999999
Particulate Matter Tons/Yr:	1.4800838000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.4488817888000001

Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.05674335202036

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Reactive Organic Gases Tons/Yr:	0.50238000000000005
Carbon Monoxide Emissions Tons/Yr:	6.2470699999999999
NOX - Oxides of Nitrogen Tons/Yr:	8.4710199999999993
SOX - Oxides of Sulphur Tons/Yr:	6.3560000000000005E-2
Particulate Matter Tons/Yr:	2.95173
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.2550421599999999

Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	5.9484425231
Reactive Organic Gases Tons/Yr:	3.90434
Carbon Monoxide Emissions Tons/Yr:	6.44106
NOX - Oxides of Nitrogen Tons/Yr:	1.75742
SOX - Oxides of Sulphur Tons/Yr:	0.06084
Particulate Matter Tons/Yr:	0.63931
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.6374368

Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	5.998228557
Reactive Organic Gases Tons/Yr:	3.94654
Carbon Monoxide Emissions Tons/Yr:	6.8208
NOX - Oxides of Nitrogen Tons/Yr:	2.78295
SOX - Oxides of Sulphur Tons/Yr:	0.04636
Particulate Matter Tons/Yr:	0.65035
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.64855984

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8059
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:	4.1117792721
Reactive Organic Gases Tons/Yr:	3.97778
Carbon Monoxide Emissions Tons/Yr:	0.45549
NOX - Oxides of Nitrogen Tons/Yr:	2.17477
SOX - Oxides of Sulphur Tons/Yr:	0.05406
Particulate Matter Tons/Yr:	0.14283
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.14127624

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
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:	0.25306573964
Reactive Organic Gases Tons/Yr:	0.14642
Carbon Monoxide Emissions Tons/Yr:	1.38639
NOX - Oxides of Nitrogen Tons/Yr:	2.42269
SOX - Oxides of Sulphur Tons/Yr:	0.00871
Particulate Matter Tons/Yr:	0.16612
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.16464486

Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.221288685
Reactive Organic Gases Tons/Yr:	0.72210669
Carbon Monoxide Emissions Tons/Yr:	6.09438543
NOX - Oxides of Nitrogen Tons/Yr:	8.05436382
SOX - Oxides of Sulphur Tons/Yr:	0.042344472
Particulate Matter Tons/Yr:	0.5933185
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.5918120896

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	I
Facility Id:	000168-I00169
Facility Type:	02
Facility Status:	Permit
Area:	3R
Permit Number:	000005293
Permit Status:	Permit

Region:	LA
Permit Category:	I
Facility Id:	000168-I00169
Facility Type:	01
Facility Status:	Permit
Area:	3R
Permit Number:	000092413
Permit Status:	Removed

Region:	LA
Permit Category:	T
Facility Id:	000168-000169
Facility Type:	0

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Facility Status: Permit
Area: 3R
Permit Number: 00005435T
Permit Status: Permit

Region: LA
Permit Category: I
Facility Id: 033577-056899
Facility Type: 01
Facility Status: Closed
Area: 3R
Permit Number: 000753246
Permit Status: Closed

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	420918
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C362669
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:	05/13/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/06/2011
PROCESSED DATE:	12/19/2011
STATUS CODE NAME:	Terminated
STATUS DATE:	06/14/2013
PLACE SIZE:	2.1
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	David Wade
FACILITY CONTACT TITLE:	Director, Facilities Development
FACILITY CONTACT PHONE:	626-254-4673
FACILITY CONTACT PHONE EXT:	64287
FACILITY CONTACT EMAIL:	dwade@coh.org
OPERATOR NAME:	City of Hope National Medical Center
OPERATOR ADDRESS:	1500 E Duarte Road
OPERATOR CITY:	Duarte
OPERATOR STATE:	California
OPERATOR ZIP:	91010
OPERATOR CONTACT NAME:	David Wade
OPERATOR CONTACT TITLE:	Director, Facilities Development
OPERATOR CONTACT PHONE:	626-254-4673
OPERATOR CONTACT PHONE EXT:	64287
OPERATOR CONTACT EMAIL:	dwade@coh.org
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	City of Hope National Medical Center

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

DEVELOPER ADDRESS:	1500 E Duarte Road
DEVELOPER CITY:	Duarte
DEVELOPER STATE:	California
DEVELOPER ZIP:	91010
DEVELOPER CONTACT NAME:	David Wade
DEVELOPER CONTACT TITLE:	Director, Facilities Development
CONSTYPE LINEAR UTILITY IND:	N
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:	Y
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:	David Wade
CERTIFIER TITLE:	Director, Facilities Development
CERTIFICATION DATE:	06-DEC-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	437264
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C366529
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:	05/06/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/13/2013
PROCESSED DATE:	05/16/2013
STATUS CODE NAME:	Terminated
STATUS DATE:	05/25/2016

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

PLACE SIZE:	1.11
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	David Turk
FACILITY CONTACT TITLE:	Senior Program Manager
FACILITY CONTACT PHONE:	626-256-8609
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dturk@coh.org
OPERATOR NAME:	City of Hope National Medical Center
OPERATOR ADDRESS:	1500 E Duarte Road
OPERATOR CITY:	Duarte
OPERATOR STATE:	California
OPERATOR ZIP:	91010
OPERATOR CONTACT NAME:	David Turk
OPERATOR CONTACT TITLE:	Senior Program Manager
OPERATOR CONTACT PHONE:	626-256-8609
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dturk@coh.org
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	City of Hope National Medical Center
DEVELOPER ADDRESS:	1500 E Duarte Road
DEVELOPER CITY:	Duarte
DEVELOPER STATE:	California
DEVELOPER ZIP:	91010
DEVELOPER CONTACT NAME:	David Turk
DEVELOPER CONTACT TITLE:	Senior Program Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Santa Fe Water Dam
CERTIFIER NAME:	David Wade
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	13-MAY-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

Regulatory Measure Id:	437264
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C366529
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/16/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/06/2016
Discharge Name:	City of Hope National Medical Center
Discharge Address:	1500 E Duarte Road
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010
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

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	491718
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C381800
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/20/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City of Hope National Medical Center
Discharge Address:	1500 E Duarte Road
Discharge City:	Duarte
Discharge State:	California
Discharge Zip:	91010
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

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

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
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

F23 **ASSEMBLY AUTOMATION** **RCRA-SQG** **1000820230**
East **1858 BUSINESS CTR DR** **FINDS** **CAD983662644**
1/8-1/4 **DUARTE, CA 91010** **ECHO**
0.154 mi. **CA HAZNET**
813 ft. **Site 1 of 4 in cluster F**

Relative: **Higher**

Actual: **501 ft.**

RCRA-SQG:

Date form received by agency:	03/26/1993
Facility name:	ASSEMBLY AUTOMATION
Facility address:	1858 BUSINESS CTR DR DUARTE, CA 91010
EPA ID:	CAD983662644
Contact:	DENNIS BORIBOR
Contact address:	1858 BUSINESS CTR DR DUARTE, CA 91010
Contact country:	US
Contact telephone:	818-303-2777
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

ASSEMBLY AUTOMATION (Continued) **1000820230**

hazardous waste at any time

Owner/Operator Summary:
- Owner/operator name: FRANK FROST
- Owner/operator address: 1858 BUSINESS CTR DR
  DUARTE, CA 91010
- Owner/operator country: Not reported
- Owner/operator telephone: 818-303-2777
- 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: 110002895083

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

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

ASSEMBLY AUTOMATION (Continued) **1000820230**

ECHO:
Envid: 1000820230
Registry ID: 110002895083
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002895083

HAZNET:
envid: 1000820230
Year: 2006
GEPAID: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000820230
Year: 2006
GEPAID: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000820230
Year: 2005
GEPAID: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.22

ASSEMBLY AUTOMATION (Continued) **1000820230**

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000820230
Year: 2005
GEPAID: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000820230
Year: 2005
GEPAID: CAD983662644
Contact: SCOTT THOMPSON
Telephone: 6263032777
Mailing Name: Not reported
Mailing Address: 1849 BUSINESS CENTER DR
Mailing City,St,Zip: DUARTE, CA 91010
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

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

G24 **IBIS SYSTEMS INC** **RCRA NonGen / NLR** **1000376024**
ENE **1850 EVERGEEN DR** **FINDS** **CAD981685977**
1/8-1/4 **DUARTE, CA 91010** **ECHO**
0.155 mi.
820 ft. **Site 1 of 4 in cluster G**

Relative:
Higher

Actual:
504 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/23/1986
Facility name: IBIS SYSTEMS INC
Facility address: 1850 EVERGEEN DR
DUARTE, CA 91010
EPA ID: CAD981685977
Mailing address: EVERGEEN DR
DUARTE, CA 91010
Contact: ENVIRONMENTAL MANAGER

IBIS SYSTEMS INC (Continued) **1000376024**

Contact address: 1850 EVERGEEN DR
DUARTE, CA 91010
Contact country: US
Contact telephone: 818-357-2180
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: JEAN MAY RECH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

IBIS SYSTEMS INC (Continued) **1000376024**

Registry ID: 110002752423

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: 1000376024
Registry ID: 110002752423
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002752423

F25 **OCCUPANT** **CA WIP** **S106765114**
East **1802 SANTO DOMINGO AVE** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.162 mi.
858 ft. **Site 2 of 4 in cluster F**

Relative: **Higher**
Actual: **501 ft.**

WIP:
Region: 4
File Number: 106.2050
File Status: **Not reported**
Staff: UNIDENTIFIED
Facility Suite: Not reported

F26 **MAJESTIC PARTY SALES INC** **CA HIST UST** **S118412626**
East **1857 BUSINESS CTR DR** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.170 mi.
897 ft. **Site 3 of 4 in cluster F**

Relative: **Higher**
Actual: **502 ft.**

HIST UST:
File Number: 000279D3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000279D3.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

MAJESTIC PARTY SALES INC (Continued) **S118412626**

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:

F27 **MAJESTIC PARTY SALES, INC.** **CA HIST UST** **U001566479**
East **1857 BUSINESS CENTER DR** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.170 mi.
897 ft. **Site 4 of 4 in cluster F**

Relative:
Higher

Actual:
502 ft.

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000041132
Facility Type: Other
Other Type: TUPPERWARE DISTRIB.
Contact Name: KIRK KEELER
Telephone: 8183579746
Owner Name: MAJESTIC PARTY SALES, INC.
Owner Address: 1857 BUSINESS CENTER DR.
Owner City,St,Zip: DUARTE, CA 91010
Total Tanks: 0001

Tank Num: 001
Container Num: 01
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

G28 **APPLE GRAPHICS INC** **RCRA-SQG** **1001201414**
ENE **1858 EVERGREEN ST** **FINDS** **CAR000020669**
1/8-1/4 **DUARTE, CA 91010** **ECHO**
0.174 mi. **CA HAZNET**
920 ft. **Site 2 of 4 in cluster G** **CA LOS ANGELES CO. HMS**

Relative:
Higher

Actual:
505 ft.

RCRA-SQG:
Date form received by agency: 06/23/1997
Facility name: APPLE GRAPHICS INC
Facility address: 1858 EVERGREEN ST
DUARTE, CA 91010
EPA ID: CAR000020669
Mailing address: EVERGREEN ST
DUARTE, CA 91010
Contact: LEONARD CHCHON
Contact address: 1858 EVERGREEN ST
DUARTE, CA 91010
Contact country: US
Contact telephone: 818-301-4277
Contact email: Not reported

APPLE GRAPHICS INC (Continued) **1001201414**

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: KEVIN POLLEY
Owner/operator address: 1858 EVERGREEN ST
DUARTE, CA 91010
Owner/operator country: Not reported
Owner/operator telephone: 818-301-4277
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: 110002917988

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

APPLE GRAPHICS INC (Continued) **1001201414**

STATE MASTER

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

ECHO:

Envid:	1001201414
Registry ID:	110002917988
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002917988

HAZNET:

envid:	1001201414
Year:	2013
GEPAID:	CAR000020669
Contact:	SUE MCCUE/CONTROLLER
Telephone:	6267391590
Mailing Name:	Not reported
Mailing Address:	1858 EVERGREEN ST
Mailing City,St,Zip:	DUARTE, CA 910100000
Gen County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.175
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	1001201414
Year:	2013
GEPAID:	CAR000020669
Contact:	SUE MCCUE/CONTROLLER
Telephone:	6267391590
Mailing Name:	Not reported
Mailing Address:	1858 EVERGREEN ST
Mailing City,St,Zip:	DUARTE, CA 910100000
Gen County:	Los Angeles
TSD EPA ID:	02-IV-99-10
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Solvents Recovery
Tons:	0.45
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	1001201414
Year:	2012
GEPAID:	CAR000020669
Contact:	MIKE MARSHALL
Telephone:	6267391590
Mailing Name:	Not reported
Mailing Address:	1858 EVERGREEN ST
Mailing City,St,Zip:	DUARTE, CA 910100000

APPLE GRAPHICS INC (Continued) **1001201414**

Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.68805
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001201414
Year: 2011
GEPAID: CAR000020669
Contact: MIKE MARSHALL
Telephone: 6267391590
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.209
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001201414
Year: 2009
GEPAID: CAR000020669
Contact: DEMETRIS IOANNOU/CONTROLLER
Telephone: 6263014277
Mailing Name: Not reported
Mailing Address: 1858 EVERGREEN ST
Mailing City,St,Zip: DUARTE, CA 910100000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.054
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

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

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 016523-021915
Facility Type: 01
Facility Status: Closed

APPLE GRAPHICS INC (Continued) **1001201414**

Area: 3R
Permit Number: 000112401
Permit Status: Closed

29
NW
1/8-1/4
0.180 mi.
951 ft.

DUARTE NISSAN
1440 CENTRAL
DUARTE, CA

CA SWEEPS UST **S106925551**
N/A

Relative:
Lower

Actual:
481 ft.

SWEEPS UST:
Status: Active
Comp Number: 14079
Number: 9
Board Of Equalization: 44-010346
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014079-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Status: Active
Comp Number: 14079
Number: 9
Board Of Equalization: 44-010346
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014079-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

G30
ENE
1/8-1/4
0.205 mi.
1083 ft.

FEDERICOS BAKERY
1860 EVERGREEN DR
DUARTE, CA 91010

Site 3 of 4 in cluster G

CA HIST UST **S118410032**
N/A

Relative:
Higher

Actual:
507 ft.

HIST UST:
File Number: 00026741
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026741.pdf
Region: Not reported
Facility ID: Not reported

FEDERICOS BAKERY (Continued) **S118410032**

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:

G31 **FEDERICO'S BAKERY** **CA HIST UST** **U001566469**
ENE **1860 EVERGREEN ST** **N/A**
1/8-1/4 **DUARTE, CA 91010**
0.205 mi.
1083 ft. **Site 4 of 4 in cluster G**

Relative:
Higher

Actual:
507 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000046910
Facility Type:	Other
Other Type:	BAKERY
Contact Name:	FRED CRISCIONE
Telephone:	8183579866
Owner Name:	FEDERICO'S INC.
Owner Address:	1860 EVERGREEN DR.
Owner City,St,Zip:	DUARTE, CA 91010
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1980
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

H32
East
1/8-1/4
0.217 mi.
1145 ft.

HOFFMAN EDUCATIONAL SYSTEM
1863 BUSINESS CENTER DR
DUARTE, CA 91010

Site 1 of 2 in cluster H

CA WIP **S106765134**
N/A

Relative:
Higher

Actual:
507 ft.

WIP:

Region:	4
File Number:	106.2077
File Status:	**Not reported**
Staff:	UNIDENTIFIED
Facility Suite:	Not reported

33
WSW
1/8-1/4
0.224 mi.
1185 ft.

HOPE CITY OF MEDICAL CENTER
1500 E DUARTE RD
DUARTE, CA 91010

NY MANIFEST **S120956885**
N/A

Relative:
Lower

Actual:
462 ft.

NY MANIFEST:

Country:	USA
EPA ID:	CAD066698408
Facility Status:	Not reported
Location Address 1:	1500 EAST DUARTE ROAD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	DUARTE
Location State:	CA
Location Zip:	91010
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD066698408
Mailing Name:	HOPE CITY OF MEDICAL CENTER
Mailing Contact:	HOPE CITY OF MEDICAL CENTER
Mailing Address 1:	1500 EAST DUARTE ROAD
Mailing Address 2:	Not reported
Mailing City:	DUARTE
Mailing State:	CA
Mailing Zip:	91010
Mailing Zip 4:	3000
Mailing Country:	USA
Mailing Phone:	6263598111

NY MANIFEST:

Document ID:	NYA5463261
Manifest Status:	C
seq:	Not reported
Year:	1988
Trans1 State ID:	47490A-NY
Trans2 State ID:	86555ZNY
Generator Ship Date:	05/23/1988
Trans1 Recv Date:	05/23/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/02/1988
Part A Recv Date:	05/31/1988
Part B Recv Date:	06/08/1988
Generator EPA ID:	CAD066698408
Trans1 EPA ID:	NYD980769947

HOPE CITY OF MEDICAL CENTER (Continued) **S120956885**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00125
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

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

34
NNE
1/8-1/4
0.240 mi.
1268 ft.

FREDRICKS DEVELOPMENT CORP
1315 HIGHLAND AVE
DUARTE, CA

CA SWEEPS UST

S106926450
N/A

Relative:
Higher

Actual:
511 ft.

SWEEPS UST:

Status:	Active
Comp Number:	12449
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

H35
ENE
1/8-1/4
0.240 mi.
1268 ft.

CUSTOMATION IND ARTS
1956 E EVERGREEN AVE
DUARTE, CA 91010

Site 2 of 2 in cluster H

RCRA-SQG
FINDS
ECHO

1000415983
CAD053855086

Relative:
Higher

Actual:
509 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	CUSTOMATION IND ARTS
Facility address:	1956 E EVERGREEN AVE DUARTE, CA 91010
EPA ID:	CAD053855086
Mailing address:	E EVERGREEN AVE DUARTE, CA 91010
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:	JERRY GRANADOS
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

CUSTOMATION IND ARTS (Continued) **1000415983**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002649402

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: 1000415983

CUSTOMATION IND ARTS (Continued) **1000415983**

Registry ID: 110002649402
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002649402

36
North
1/4-1/2
0.393 mi.
2076 ft.

DUARTE AUTO CENTER
1713 HUNTINGTON DR E
DUARTE, CA 91010

CA LUST **S102058082**
CA HIST CORTESE **N/A**
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
537 ft.

LUST:
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704718
Global Id: T0603704718
Latitude: 34.1346113
Longitude: -117.9393231
Status: Completed - Case Closed
Status Date: 09/10/1997
Case Worker: JOA
RB Case Number: R-06089
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704718
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704718
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704718
Action Type: Other
Date: 09/10/1997
Action: Leak Reported

LUST:
Global Id: T0603704718
Status: Completed - Case Closed
Status Date: 09/10/1997

DUARTE AUTO CENTER (Continued) **S102058082**

Global Id: T0603704718
Status: Open - Case Begin Date
Status Date: 09/10/1997

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-06089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704718	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		9/10/1997
Date Leak Record Entered:	3/19/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/10/1997
Date the Case was Closed:		9/10/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2321.351848492119745290162066 1
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	L.A.P. TRUST	
RP Address:	P.O. BOX 660817, ARCADIA CA 91066-0817	
Program:	LUST	
Lat/Long:	34.1346113 / -1	

DUARTE AUTO CENTER (Continued) **S102058082**

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-06089

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 005875-006089
Facility Type: 0
Facility Status: Removed
Area: 3R
Permit Number: 00000192T
Permit Status: Removed

37
WSW
1/4-1/2
0.406 mi.
2144 ft.

CHEVRON #9-4104
1815 BUENA VISTA ST
DUARTE, CA 91010

CA LUST **S102427244**
CA HIST CORTESE **N/A**

Relative:
Lower

Actual:
458 ft.

LUST:
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703645
Global Id: T0603703645
Latitude: 34.1318821
Longitude: -117.9775708
Status: Completed - Case Closed
Status Date: 10/29/1990
Case Worker: JOA
RB Case Number: I-10657
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603703645
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

CHEVRON #9-4104 (Continued) **S102427244**

Global Id: T0603703645
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703645
Action Type: Other
Date: 04/24/1990
Action: Leak Discovery

Global Id: T0603703645
Action Type: Other
Date: 04/24/1990
Action: Leak Stopped

Global Id: T0603703645
Action Type: Other
Date: 05/17/1990
Action: Leak Reported

LUST:
Global Id: T0603703645
Status: Open - Case Begin Date
Status Date: 04/24/1990

Global Id: T0603703645
Status: Completed - Case Closed
Status Date: 10/29/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-10657
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703645
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: DUARTE RD
Enforcement Type: Not reported
Date Leak Discovered: 4/24/1990
Date Leak First Reported: 5/17/1990
Date Leak Record Entered: 5/24/1990
Date Confirmation Began: Not reported

CHEVRON #9-4104 (Continued) **S102427244**

Date Leak Stopped:	4/24/1990	
Date Case Last Changed on Database:		2/4/1991
Date the Case was Closed:		10/29/1990
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	UHDEN, ROGER	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1280.21534774560839672231414 14
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	P.O. BOX 2833 LA HABRA, 90632	
Program:	LUST	
Lat/Long:	34.1317502 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #052590-13	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-10657

38
WNW
1/4-1/2
0.432 mi.
2282 ft.

CITY OF DUARTE
1427 BUENA VISTA ST
DUARTE, CA 91010

CA LUST **S100720633**
CA HIST CORTESE **N/A**
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
487 ft.

LUST:

Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704232
Global Id:	T0603704232
Latitude:	34.136386

CITY OF DUARTE (Continued) **S100720633**

Longitude: -117.9775801
Status: Completed - Case Closed
Status Date: 01/26/1990
Case Worker: JOA
RB Case Number: I-14948
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704232
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704232
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704232
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704232
Status: Completed - Case Closed
Status Date: 01/26/1990

Global Id: T0603704232
Status: Open - Case Begin Date
Status Date: 01/26/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14948
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported

CITY OF DUARTE (Continued) **S100720633**

Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704232	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2068.5932191959891359356210011
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF DUARTE	
RP Address:	1600 HUNTINGTON DRIVE, DUARTE, 91010	
Program:	LUST	
Lat/Long:	34.136566 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14948

CITY OF DUARTE (Continued) **S100720633**

LOS ANGELES CO. HMS:
Region: LA
Permit Category: Not reported
Facility Id: 008538-014948
Facility Type: Not reported
Facility Status: Removed
Area: 3R
Permit Number: Not reported
Permit Status: Not reported

39
NW
1/4-1/2
0.487 mi.
2571 ft.

JOHN'S FOREIGN CAR REPAIR
1405 HUNTINGTON DR
DUARTE, CA 91010

CA LUST **U001566477**
CA HIST UST **N/A**
CA LOS ANGELES CO. HMS

Relative:
Higher

Actual:
516 ft.

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603706372
Global Id: T0603706372
Latitude: 34.140129
Longitude: -117.975199
Status: Open - Inactive
Status Date: 06/09/2017
Case Worker: JFL
RB Case Number: R-37667
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603706372
Contact Type: Regional Board Caseworker
Contact Name: JOE F. LUERA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH STREET, SUITE 200
City: LOS ANGELES
Email: joe.luera@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603706372
Contact Type: Local Agency Caseworker
Contact Name: PHILLIP GHARIBIANS-TABRIZI
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: pgharibians@dpw.lacounty.gov
Phone Number: Not reported

LUST:
Global Id: T0603706372
Action Type: RESPONSE
Date: 06/30/2004

JOHN'S FOREIGN CAR REPAIR (Continued) **U001566477**

Action: Tank Removal Report / UST Sampling Report

Global Id: T0603706372
Action Type: Other
Date: 10/25/2004
Action: Leak Reported

Global Id: T0603706372
Action Type: ENFORCEMENT
Date: 08/03/2017
Action: Staff Letter

Global Id: T0603706372
Action Type: RESPONSE
Date: 10/03/2017
Action: Preliminary Site Assessment Workplan

Global Id: T0603706372
Action Type: ENFORCEMENT
Date: 11/01/2011
Action: Staff Letter

Global Id: T0603706372
Action Type: ENFORCEMENT
Date: 09/15/2011
Action: Referral to Regional Board

Global Id: T0603706372
Action Type: Other
Date: 06/03/2004
Action: Leak Discovery

Global Id: T0603706372
Action Type: RESPONSE
Date: 01/15/2012
Action: Other Report / Document

LUST:
Global Id: T0603706372
Status: Open - Case Begin Date
Status Date: 06/03/2004

Global Id: T0603706372
Status: Open - Site Assessment
Status Date: 10/25/2004

Global Id: T0603706372
Status: Open - Inactive
Status Date: 05/15/2015

Global Id: T0603706372
Status: Open - Site Assessment
Status Date: 10/20/2015

Global Id: T0603706372
Status: Open - Inactive
Status Date: 06/09/2017

JOHN'S FOREIGN CAR REPAIR (Continued) **U001566477**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000033966
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	JOHN'S FOREIGN CAR REPAIR
Owner Address:	1405 E. HUNTINGTON DR.
Owner City,St,Zip:	DUARTE, CA 91010
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00000180
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	I
Facility Id:	004116-I04262
Facility Type:	01
Facility Status:	Closed
Area:	3R
Permit Number:	000010130
Permit Status:	Closed
Region:	LA
Permit Category:	T
Facility Id:	004116-004262
Facility Type:	0
Facility Status:	Closed
Area:	3R
Permit Number:	00000207T
Permit Status:	Closed
Region:	LA
Permit Category:	T
Facility Id:	004116-037667
Facility Type:	0
Facility Status:	Removed
Area:	3R
Permit Number:	000408075
Permit Status:	Removed
Region:	LA
Permit Category:	I
Facility Id:	004116-026189
Facility Type:	01
Facility Status:	Permit

JOHN'S FOREIGN CAR REPAIR (Continued) **U001566477**

Area: 3R
Permit Number: 000281607
Permit Status: Permit

40
NE
1/2-1
0.573 mi.
3028 ft.

FORMER LERNER'S GAS STATION **CA ENVIROSTOR** **S107736333**
2107 HUNTINGTON DRIVE **N/A**
DUARTE, CA 91010

Relative:
Higher

Actual:
534 ft.

ENVIROSTOR:

Facility ID:	70000050
Status:	Refer: Local Agency
Status Date:	08/02/2012
Site Code:	301251
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	SMBRP, LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	48
Senate:	25
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.14001
Longitude:	-117.9597
APN:	8529010020
Past Use:	ENGINE TESTING/REPAIR, FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
Potential COC:	Benzene Polychlorinated biphenyls (PCBs TPH-gas Toluene Xylenes
Confirmed COC:	Benzene TPH-gas Xylenes Toluene Polychlorinated biphenyls (PCBs
Potential Description:	NONE SPECIFIED
Alias Name:	8529010020
Alias Type:	APN
Alias Name:	301251
Alias Type:	Project Code (Site Code)
Alias Name:	70000050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/19/2005
Comments:	PEA Approved by DTSC with recommendation for further action around hydraulic lift.
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

FORMER LERNER'S GAS STATION (Continued) **S107736333**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

41
ENE
1/2-1
0.658 mi.
3476 ft.

TDH PRECIOUS METAL REFINERY/TDH GOLD
2300 E CENTRAL AVE
DUARTE, CA 91010

CA ENVIROSTOR **S110494366**
LA Co. Site Mitigation **N/A**

Relative:
Higher

Actual:
526 ft.

ENVIROSTOR:
Facility ID: 71003333
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.13537
Longitude: -117.9556
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000124904
Alias Type: EPA Identification Number
Alias Name: 71003333
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 03/15/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

TDH PRECIOUS METAL REFINERY/TDH GOLD (Continued) **S110494366**

Schedule Revised Date: Not reported

LA Co. Site Mitigation:
Facility ID: Not reported
Status: Not reported
Site ID: SD0000344
Jurisdiction: Not reported
Case ID: RO0001345
Abated: Yes
Assigned To: Richard Clark
Entered Date: Not reported
Abated Date: Not reported

42
SW
1/2-1
0.692 mi.
3653 ft.

Relative:
Lower

Actual:
425 ft.

SOUTHWEST PRODUCTIONS CO
2240 BUENA VISTA
IRWINDALE, CA 91706

RCRA-SQG **1000411027**
CA ENVIROSTOR **CAD981992498**
CA LUST
CA VCP
CA HIST UST
FINDS
ECHO
CA EMI
CA HIST CORTESE
LA Co. Site Mitigation

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: SOUTHWEST PRODUCTIONS CO
Facility address: 2240 BUENA VISTA
IRWINDALE, CA 91706
EPA ID: CAD981992498
Mailing address: PO BOX 1028
MONROVIA, CA 91016
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

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KENT J HACKMAN
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

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: 02/17/1987
Site name: SOUTHWEST PRODUCTIONS CO
Classification: Large Quantity Generator

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 19340773
Status: No Further Action
Status Date: 02/04/1998
Site Code: 300694
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 8
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Safouh Sayed
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Assembly: 48
Senate: 22
Special Program: Voluntary Cleanup Program

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.12442
Longitude: -117.9766
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Benzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: SOUTHWEST PRODUCTS
Alias Type: Alternate Name
Alias Name: UNION BANK OF CALIFORNIA
Alias Type: Alternate Name
Alias Name: 110002769442
Alias Type: EPA (FRS #)
Alias Name: 300694
Alias Type: Project Code (Site Code)
Alias Name: 19340773
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/29/1998
Comments: The Preliminary Endangerment Assessment is approved. The PEA indicates that levels of TPH encountered at the site are well below the concentrations considered acceptable in soils above groundwater. VOCS were not detected, and soils containing greater than 50 mg/kg of lead have been excavated and removed from the site. Therefore, DTSC determines that "No Further Action" is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/04/1998
Comments: DTSC and Union Bank of California (site owner through foreclosure entered into a Voluntary Cleanup Agreement (VCA) for a Preliminar Endangerment Assessment (PEA) for the former Southwest Products, site in Irwindale.

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

LUST:
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704618
Global Id: T0603704618

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Latitude:	34.124423
Longitude:	-117.976665
Status:	Completed - Case Closed
Status Date:	07/25/1994
Case Worker:	JOA
RB Case Number:	R-03582
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603704618
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704618
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704618
Action Type:	Other
Date:	02/22/1993
Action:	Leak Reported

Global Id:	T0603704618
Action Type:	Other
Date:	08/21/1992
Action:	Leak Discovery

LUST:

Global Id:	T0603704618
Status:	Open - Case Begin Date
Status Date:	08/21/1992

Global Id:	T0603704618
Status:	Open - Site Assessment
Status Date:	02/23/1993

Global Id:	T0603704618
Status:	Completed - Case Closed
Status Date:	07/25/1994

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-03582	
Status:	Case Closed	
Substance:	Waste Oil	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704618	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	8/21/1992	
Date Leak First Reported:		2/22/1993
Date Leak Record Entered:	2/20/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/22/1995
Date the Case was Closed:		7/25/1994
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		4028.72744875125911759150527 03
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		2/23/1993
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SOUTHWEST PROCUCTS	
RP Address:	2240 BUENA VISTA, IRWINDALE, CA 91016	
Program:	LUST	
Lat/Long:	34.1433158 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Assigned Name: Not reported
Summary: TRPH=4710 PPM

VCP:
Facility ID: 19340773
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Safouh Sayed
Supervisor: Emad Yemut
Division Branch: Cleanup Cypress
Site Code: 300694
Assembly: 48
Senate: 22
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 02/04/1998
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.12442 / -117.9766
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: 30003
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: SOUTHWEST PRODUCTS
Alias Type: Alternate Name
Alias Name: UNION BANK OF CALIFORNIA
Alias Type: Alternate Name
Alias Name: 110002769442
Alias Type: EPA (FRS #)
Alias Name: 300694
Alias Type: Project Code (Site Code)
Alias Name: 19340773
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/29/1998
Comments: The Preliminary Endangerment Assessment is approved. The PEA indicates that levels of TPH encountered at the site are well below the concentrations considered acceptable in soils above groundwater. VOCS were not detected, and soils containing greater than 50 mg/kg of lead have been excavated and removed from the site. Therefore, DTSC determines that "No Further Action" is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/04/1998

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Comments: DTSC and Union Bank of California (site owner through foreclosure entered into a Voluntary Cleanup Agreement (VCA) for a Preliminar Endangerment Assessment (PEA) for the former Southwest Products, site in Irwindale.

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

HIST UST:
File Number: 000287AF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000287AF.pdf
Region: STATE
Facility ID: 00000008102
Facility Type: Other
Other Type: MANUFACTURER
Contact Name: K. V. HACKMAN
Telephone: 8183580181
Owner Name: SOUTHWEST PRODUCTS CO
Owner Address: P.O. BOX 1028
Owner City,St,Zip: MONROVIA, CA 91016
Total Tanks: 0002

Tank Num: 001
Container Num: I
Year Installed: 1979
Tank Capacity: 00001116
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .125
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1979
Tank Capacity: 00002475
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .300
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002769442

Environmental Interest/Information System
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

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.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

STATE MASTER

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

ECHO:

Envid:	1000411027
Registry ID:	110002769442
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002769442

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	51799
Air District Name:	SC
SIC Code:	3599
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:	19
Reg By:	LTNKA
Reg Id:	R-03582

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

LA Co. Site Mitigation:
Facility ID: FA0006022
Status: Not reported
Site ID: SD0010375
Jurisdiction: State
Case ID: RO0010375
Abated: Yes
Assigned To: LR
Entered Date: 05/11/2004
Abated Date: 09/22/1992

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONROVIA	S118939173	WEST VALLEY BASE - SECURITY PAVING	128 EAST LIVE OAK AVENUE	91016	CA SWF/LF

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
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

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
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/05/2018
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
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 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: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

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: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

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 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 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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

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: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

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 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 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

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

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 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 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

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: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

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: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

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 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 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 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

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 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

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

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 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: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
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: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

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

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

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

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: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

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: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

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: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

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: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
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

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

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

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: 12/01/2017
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 42
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: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

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: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

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: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

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: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/18/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
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: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
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: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27
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: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

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: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
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: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

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: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

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: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

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: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

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: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54

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: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
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: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36
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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DUARTE PHASE I ESA
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

TARGET PROPERTY COORDINATES

Latitude (North):	34.133681 - 34° 8’ 1.25’’
Longitude (West):	117.968927 - 117° 58’ 8.14’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410658.5
UTM Y (Meters):	3777207.5
Elevation:	486 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630601 AZUSA, CA
Version Date:	2012
South Map:	5619056 BALDWIN PARK, 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).

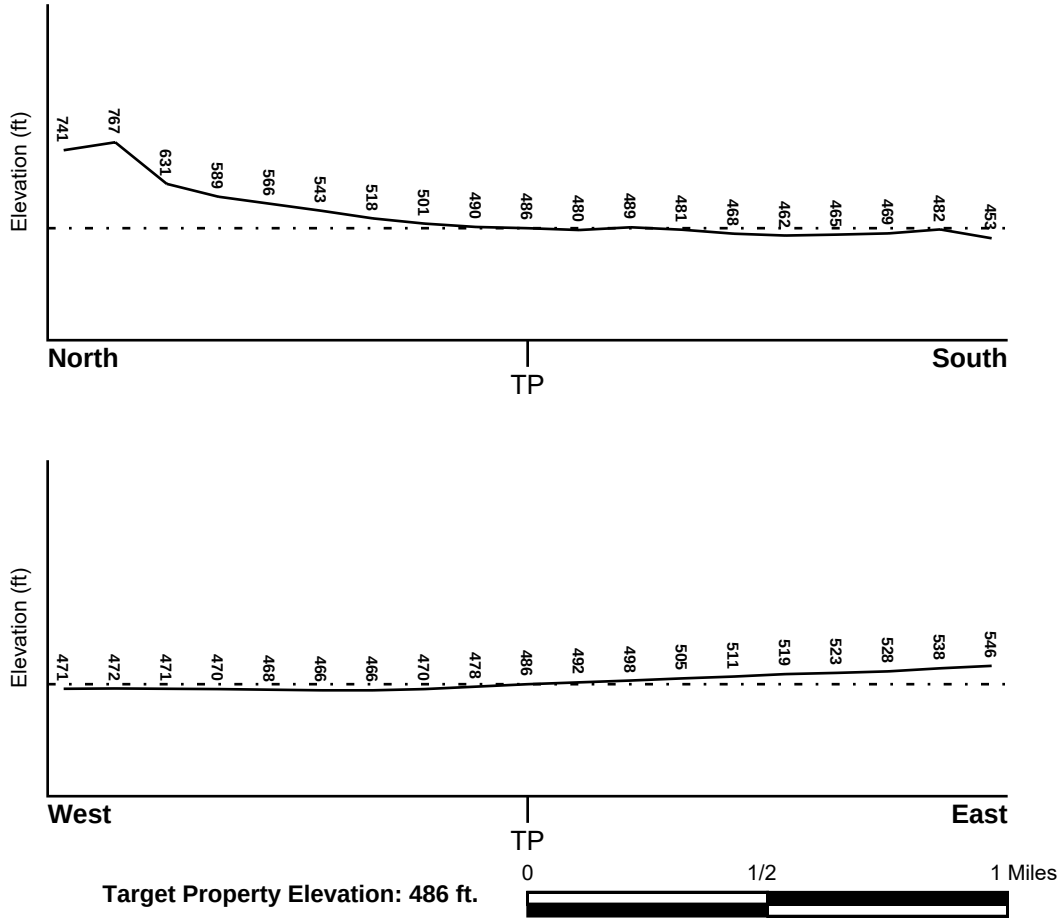
TOPOGRAPHIC INFORMATION

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 WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1415F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1700F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
AZUSA	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
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000141771	1/4 - 1/2 Mile East
4	USGS40000141696	1/2 - 1 Mile SW

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

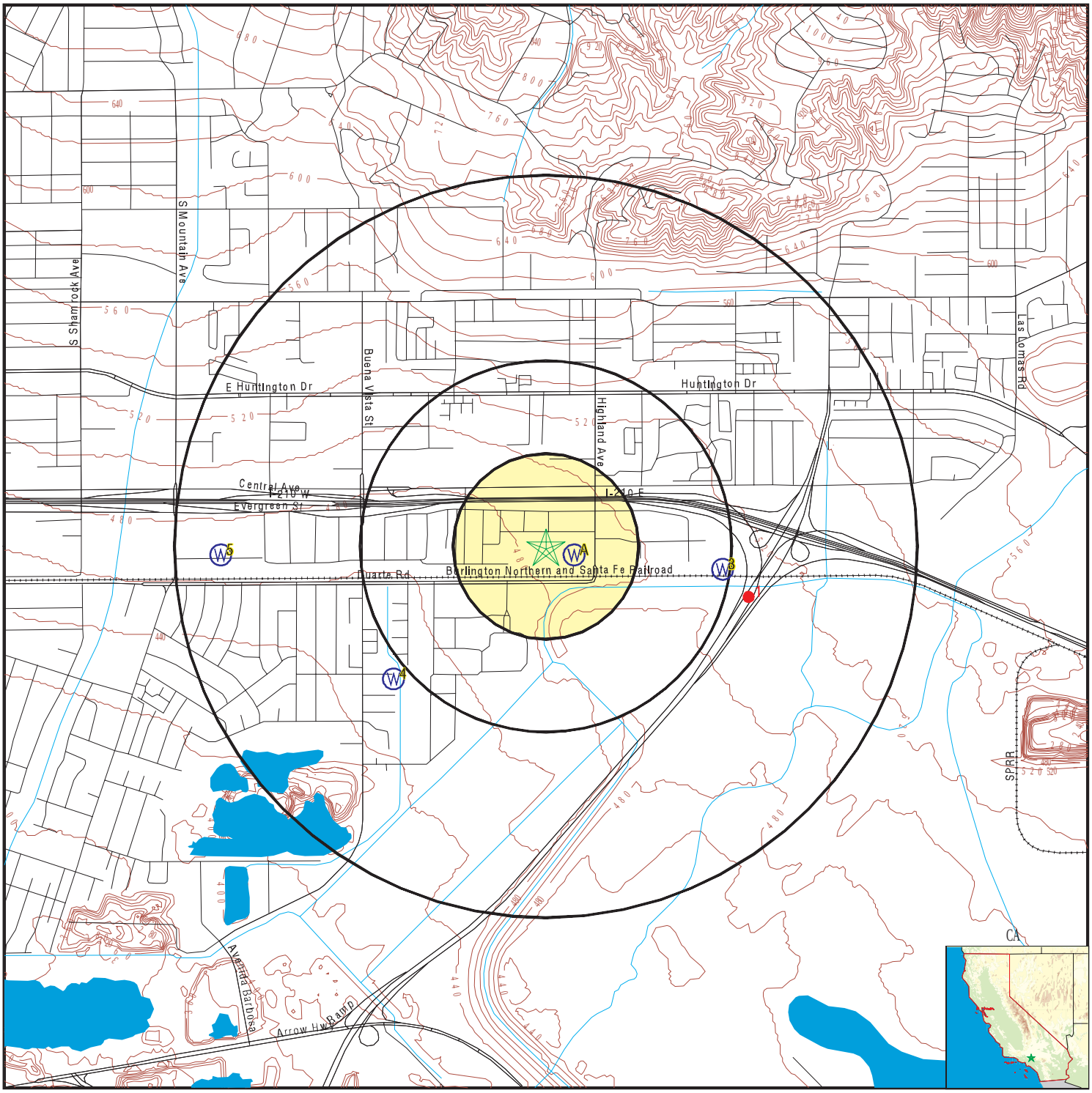
MAP ID	WELL ID	LOCATION FROM TP
A1	398	0 - 1/8 Mile ESE
A2	397	0 - 1/8 Mile ESE
5	437	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000214463	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5233268.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Duarte Phase I ESA	CLIENT:	Catlayst Environmnetal Solutions
ADDRESS:	1700 Business Center Drive Duarte CA 91010	CONTACT:	Justin Campbell
		INQUIRY #:	5233268.2s
LAT/LONG:	34.133681 / 117.968927	DATE:	March 23, 2018 6:22 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

A1
ESE
0 - 1/8 Mile
Higher

CA WELLS **398**

Water System Information:

Prime Station Code:	01N/10W-31M01 S	User ID:	4TH
FRDS Number:	1910186001	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1175800.0	Precision:	Undefined
Source Name:	BUENA VISTA (LACFCD 4427A)		
System Number:	1910186		
System Name:	CAL. AMERICAN WATER CO.-DUARTE		
Organization That Operates System:			
	2020 HUNTINGTON DRIVE		
	SAN MARINO, CA 91108		
Pop Served:	24666	Connections:	7029
Area Served:	DUARTE		
Sample Collected:	19-SEP-12	Findings:	190. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04-DEC-12	Findings:	2.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-SEP-13	Findings:	320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-SEP-13	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	12-SEP-13	Findings:	120. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12-SEP-13	Findings:	140. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12-SEP-13	Findings:	120. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12-SEP-13	Findings:	35. MG/L
Chemical:	CALCIUM		
Sample Collected:	12-SEP-13	Findings:	7.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12-SEP-13	Findings:	20. MG/L
Chemical:	SODIUM		
Sample Collected:	12-SEP-13	Findings:	3. MG/L
Chemical:	POTASSIUM		
Sample Collected:	12-SEP-13	Findings:	16. MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-SEP-13	Findings:	18. MG/L
Chemical:	SULFATE		

Sample Collected:	12-SEP-13	Findings:	0.27 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-SEP-13	Findings:	120. UG/L
Chemical:	IRON		
Sample Collected:	12-SEP-13	Findings:	190. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-SEP-13	Findings:	0.22
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12-SEP-13	Findings:	2.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-SEP-13	Findings:	7300. UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12-SEP-13	Findings:	1.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12-SEP-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12-SEP-13	Findings:	550. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	18-SEP-13	Findings:	41. MG/L
Chemical:	CALCIUM		
Sample Collected:	18-SEP-13	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	18-SEP-13	Findings:	15.9 MG/L
Chemical:	SODIUM		
Sample Collected:	18-SEP-13	Findings:	10.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	18-SEP-13	Findings:	17.6 MG/L
Chemical:	SULFATE		
Sample Collected:	18-SEP-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	18-SEP-13	Findings:	18. MG/L
Chemical:	SILICA		
Sample Collected:	18-SEP-13	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	18-SEP-13	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	18-SEP-13	Findings:	3.22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-13	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-DEC-13	Findings:	2.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-DEC-13	Findings:	2.3 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	03-DEC-14	Findings:	200. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-MAR-15	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-MAR-15	Findings:	3. PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05-MAR-15	Findings:	0.34 PCI/L
Chemical:	RADIUM 226 MDA95		
Sample Collected:	05-MAR-15	Findings:	0.74 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-MAR-15	Findings:	0.599 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-MAR-15	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-MAR-15	Findings:	2.7e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-MAR-15	Findings:	0.12 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-MAR-15	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	05-MAR-15	Findings:	0.151 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-MAR-15	Findings:	1.e-002 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	22-SEP-15	Findings:	210. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	14-OCT-15	Findings:	1. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	14-OCT-15	Findings:	43. MG/L
Chemical:	CALCIUM		
Sample Collected:	14-OCT-15	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	14-OCT-15	Findings:	16.8 MG/L
Chemical:	SODIUM		
Sample Collected:	14-OCT-15	Findings:	13.8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	14-OCT-15	Findings:	18.6 MG/L
Chemical:	SULFATE		
Sample Collected:	14-OCT-15	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	14-OCT-15	Findings:	18. MG/L
Chemical:	SILICA		
Sample Collected:	10-AUG-16	Findings:	0.68 MG/L
Chemical:	NITRATE (AS N)		

Sample Collected:	10-AUG-16	Findings:	41. MG/L
Chemical:	CALCIUM		
Sample Collected:	10-AUG-16	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10-AUG-16	Findings:	19.6 MG/L
Chemical:	SODIUM		
Sample Collected:	10-AUG-16	Findings:	28. MG/L
Chemical:	CHLORIDE		
Sample Collected:	10-AUG-16	Findings:	20.7 MG/L
Chemical:	SULFATE		
Sample Collected:	10-AUG-16	Findings:	0.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10-AUG-16	Findings:	18. MG/L
Chemical:	SILICA		
Sample Collected:	10-AUG-16	Findings:	3. UG/L
Chemical:	ARSENIC		
Sample Collected:	10-AUG-16	Findings:	350. UG/L
Chemical:	IRON		
Sample Collected:	10-AUG-16	Findings:	360. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10-AUG-16	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	10-AUG-16	Findings:	110. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	10-AUG-16	Findings:	140. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10-AUG-16	Findings:	0.64 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	10-AUG-16	Findings:	130. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10-AUG-16	Findings:	40. MG/L
Chemical:	CALCIUM		
Sample Collected:	10-AUG-16	Findings:	7.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10-AUG-16	Findings:	19. MG/L
Chemical:	SODIUM		
Sample Collected:	10-AUG-16	Findings:	3. MG/L
Chemical:	POTASSIUM		
Sample Collected:	10-AUG-16	Findings:	27. MG/L
Chemical:	CHLORIDE		
Sample Collected:	10-AUG-16	Findings:	19. MG/L
Chemical:	SULFATE		
Sample Collected:	10-AUG-16	Findings:	0.32 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

Sample Collected:	10-AUG-16	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	10-AUG-16	Findings:	130. UG/L
Chemical:	IRON		
Sample Collected:	10-AUG-16	Findings:	210. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10-AUG-16	Findings:	0.85
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10-AUG-16	Findings:	1.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10-AUG-16	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10-AUG-16	Findings:	0.64 MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07-SEP-16	Findings:	220. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

A2
ESE **CA WELLS** **397**
0 - 1/8 Mile
Higher

Water System Information:

Prime Station Code:	01N/10W-31A01 S	User ID:	4TH
FRDS Number:	1910186007	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1175800.0	Precision:	Undefined
Source Name:	SANTA FE		
System Number:	1910186		
System Name:	CAL. AMERICAN WATER CO.-DUARTE		
Organization That Operates System:			
	2020 HUNTINGTON DRIVE		
	SAN MARINO, CA 91108		
Pop Served:	24666	Connections:	7029
Area Served:	DUARTE		
Sample Collected:	18-SEP-12	Findings:	280. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04-DEC-12	Findings:	2.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-SEP-13	Findings:	320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-SEP-13	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	12-SEP-13	Findings:	110. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12-SEP-13	Findings:	130. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	12-SEP-13	Findings:	120. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12-SEP-13	Findings:	34. MG/L
Chemical:	CALCIUM		
Sample Collected:	12-SEP-13	Findings:	7.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12-SEP-13	Findings:	20. MG/L
Chemical:	SODIUM		
Sample Collected:	12-SEP-13	Findings:	3. MG/L
Chemical:	POTASSIUM		
Sample Collected:	12-SEP-13	Findings:	16. MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-SEP-13	Findings:	18. MG/L
Chemical:	SULFATE		
Sample Collected:	12-SEP-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-SEP-13	Findings:	190. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-SEP-13	Findings:	7.4e-002
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12-SEP-13	Findings:	2.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-SEP-13	Findings:	8500. UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12-SEP-13	Findings:	0.91 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12-SEP-13	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12-SEP-13	Findings:	550. MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	18-SEP-13	Findings:	33. MG/L
Chemical:	CALCIUM		
Sample Collected:	18-SEP-13	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	18-SEP-13	Findings:	21.1 MG/L
Chemical:	SODIUM		
Sample Collected:	18-SEP-13	Findings:	15.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	18-SEP-13	Findings:	17.6 MG/L
Chemical:	SULFATE		
Sample Collected:	18-SEP-13	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	18-SEP-13	Findings:	15. MG/L
Chemical:	SILICA		

Sample Collected:	18-SEP-13	Findings:	2.36 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-DEC-13	Findings:	0.27 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04-DEC-13	Findings:	3.9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-MAR-14	Findings:	0.578 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10-MAR-14	Findings:	0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	10-MAR-14	Findings:	7.5e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	10-MAR-14	Findings:	0.179 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	10-MAR-14	Findings:	0.47 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	10-MAR-14	Findings:	0.732 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10-MAR-14	Findings:	1.195 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	23-JUN-14	Findings:	1.2 UG/L
Chemical:	BROMODICHLOROMETHANE (THM)		
Sample Collected:	23-JUN-14	Findings:	3.6 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	23-JUN-14	Findings:	2.7 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	23-JUN-14	Findings:	2.68 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03-SEP-14	Findings:	220. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-DEC-14	Findings:	3.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-SEP-15	Findings:	210. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-SEP-15	Findings:	0.68 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	28-SEP-15	Findings:	42. MG/L
Chemical:	CALCIUM		
Sample Collected:	28-SEP-15	Findings:	9. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	28-SEP-15	Findings:	23.6 MG/L
Chemical:	SODIUM		
Sample Collected:	28-SEP-15	Findings:	35.1 MG/L
Chemical:	CHLORIDE		

Sample Collected:	28-SEP-15	Findings:	19.8 MG/L
Chemical:	SULFATE		
Sample Collected:	28-SEP-15	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	28-SEP-15	Findings:	16. MG/L
Chemical:	SILICA		
Sample Collected:	23-JUN-14	Findings:	39. MG/L
Chemical:	CALCIUM		
Sample Collected:	23-JUN-14	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	23-JUN-14	Findings:	21.5 MG/L
Chemical:	SODIUM		
Sample Collected:	23-JUN-14	Findings:	28.2 MG/L
Chemical:	CHLORIDE		
Sample Collected:	23-JUN-14	Findings:	19.7 MG/L
Chemical:	SULFATE		
Sample Collected:	23-JUN-14	Findings:	0.31 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	23-JUN-14	Findings:	16. MG/L
Chemical:	SILICA		
Sample Collected:	07-DEC-15	Findings:	0.81 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	20-JUL-16	Findings:	0.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	20-JUL-16	Findings:	48. MG/L
Chemical:	CALCIUM		
Sample Collected:	20-JUL-16	Findings:	11. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	20-JUL-16	Findings:	24.2 MG/L
Chemical:	SODIUM		
Sample Collected:	20-JUL-16	Findings:	58.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	20-JUL-16	Findings:	25.2 MG/L
Chemical:	SULFATE		
Sample Collected:	20-JUL-16	Findings:	0.26 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	20-JUL-16	Findings:	16. MG/L
Chemical:	SILICA		
Sample Collected:	10-AUG-16	Findings:	490. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10-AUG-16	Findings:	8.
Chemical:	PH, LABORATORY		
Sample Collected:	10-AUG-16	Findings:	110. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

Sample Collected:	10-AUG-16	Findings:	130. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10-AUG-16	Findings:	0.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	10-AUG-16	Findings:	180. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10-AUG-16	Findings:	52. MG/L
Chemical:	CALCIUM		
Sample Collected:	10-AUG-16	Findings:	11. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10-AUG-16	Findings:	24. MG/L
Chemical:	SODIUM		
Sample Collected:	10-AUG-16	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10-AUG-16	Findings:	66. MG/L
Chemical:	CHLORIDE		
Sample Collected:	10-AUG-16	Findings:	26. MG/L
Chemical:	SULFATE		
Sample Collected:	10-AUG-16	Findings:	0.24 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10-AUG-16	Findings:	300. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10-AUG-16	Findings:	0.87
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10-AUG-16	Findings:	2100. UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	10-AUG-16	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10-AUG-16	Findings:	0.8 MG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07-SEP-16	Findings:	0.8 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	07-SEP-16	Findings:	0.18 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

3
East **FED USGS** **USGS40000141771**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340758117573501		
Monloc name:	001N010W31A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.132785
Longitude:	-117.96062	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:	604
Welldepth units:	ft	Wellholedepth:	604
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
SW **FED USGS** **USGS40000141696**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340743117583201		
Monloc name:	001N010W31M001S		
Monloc type:	Well		
Monloc desc:	GAMA ULAB FAST		
Huc code:	18070106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1285
Longitude:	-117.9760833	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:	448
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:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19520109	Welldepth:	600
Welldepth units:	ft	Wellholedepth:	600
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5
West **CA WELLS** **437**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	01N/11W-36L01 S	User ID:	4TH
FRDS Number:	1910186006	County:	Los Angeles
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Untreated
Source Lat/Long:	340800.0 1175900.0	Precision:	Undefined
Source Name:	MOUNTAIN AVENUE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1910186
System Name: CAL. AMERICAN WATER CO.-DUARTE
Organization That Operates System:
2020 HUNTINGTON DRIVE
SAN MARINO, CA 91108
Pop Served: 24666 Connections: 7029
Area Served: DUARTE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database | EDR ID Number

1
ESE
1/2 - 1 Mile

OIL_GAS | **CAOG11000214463**

District nun:	1	Api number:	03720888
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Union Oil Company of California		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	32
Township:	01N	Range:	10W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Irwindale-Duarte	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000214463		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91010	13	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91010

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.2s
March 23, 2018

EDR Summary Radius Map Report

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (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

1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

COORDINATES

Latitude (North):	34.1336810 - 34° 8' 1.25''
Longitude (West):	117.9689270 - 117° 58' 8.13''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410658.5
UTM Y (Meters):	3777207.5
Elevation:	486 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

Target Property:	S
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FORMER GE AVIATION S	1700 BUSINESS CENTER	CA ENVIROSTOR, CA VCP, CA HIST UST, CA NPDES		TP
A2	WOODWARD HRT	1700 BUSINESS CENTER	RCRA-SQG, ICIS, FINDS, ECHO		TP
A3	HYDRAULIC UNITS INC	1700 BUSINESS CTR DR	CA EMI		TP
A4	DOWTY AEROSPACE LOS	1700 BUSINESS CENTER	CA HAZNET, CA NPDES		TP
A5	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA SWEEPS UST, CA HIST UST, CA FID UST, CA HAZNET,...		TP
A6	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA LOS ANGELES CO. HMS		TP
A7	SMITHS AEROSPACE ACT	1700 BUSINESS CENTER	CA LOS ANGELES CO. HMS		TP
A8	HYDRAULIC UNITS INC	1700 BUSINESS CENTER	CA AST, CA LOS ANGELES CO. HMS, CA NPDES		TP
A9		1700 BUSINESS CENTER	CA AST		TP
B10	HOLMES BODY SHOP INC	1801 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Lower	63, 0.012, SSE
B11	PIONEER ELECTRONICS	1801 HIGHLAND AVE	CA HIST UST	Lower	63, 0.012, SSE
B12	PIONEER ELECTRONICS	1801 HIGHLAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	63, 0.012, SSE
B13	(FORMERLY) PIONEER E	1801 S HIGHLAND AVE	CA FID UST	Lower	63, 0.012, SSE
C14	GOLDEN STATE HYDRAUL	1718 HIGHLAND AVE UN	RCRA-SQG, FINDS, ECHO, CA WIP	Higher	115, 0.022, East
C15	HOLMES BODY SHOP DUA	1718 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO, CA LOS ANGELES CO. HMS	Higher	115, 0.022, East
16	FIBRWRAP CONSTRUCTIO	1710 EVERGREEN STREE	RCRA-CESQG	Higher	303, 0.057, North
D17	RAIN BIRD CONSUMER P	1750 EVERGREEN	RCRA-SQG, FINDS, ECHO	Higher	348, 0.066, ENE
D18	DISCOPY LABS INC	1848 EVERGREEN AVE	RCRA-SQG, FINDS, ECHO	Higher	374, 0.071, ENE
19	SARI ART AND PRINTIN	1803 BUSINESS CENTER	RCRA-SQG, FINDS, ECHO, CA HAZNET	Higher	386, 0.073, East
E20	PACIFIC SCIENTIFIC -	1800 HIGHLAND AVE.	CA HIST UST, CA EMI, CA HAZNET, CA NPDES, CA WDS,...	Higher	420, 0.080, ESE
E21	PACIFIC SCIENTIFIC	1800 HIGHLAND AVE	RCRA-SQG, FINDS, ECHO	Higher	420, 0.080, ESE
22	CITY OF HOPE MEDICAL	1500 E DUARTE RD	RCRA-LQG, CA UST, CA AST, CA SWEEPS UST, CA HIST...	Lower	452, 0.086, WSW
F23	ASSEMBLY AUTOMATION	1858 BUSINESS CTR DR	RCRA-SQG, FINDS, ECHO, CA HAZNET	Higher	813, 0.154, East
G24	IBIS SYSTEMS INC	1850 EVERGEEN DR	RCRA NonGen / NLR, FINDS, ECHO	Higher	820, 0.155, ENE
F25	OCCUPANT	1802 SANTO DOMINGO A	CA WIP	Higher	858, 0.162, East
F26	MAJESTIC PARTY SALES	1857 BUSINESS CTR DR	CA HIST UST	Higher	897, 0.170, East
F27	MAJESTIC PARTY SALES	1857 BUSINESS CENTER	CA HIST UST	Higher	897, 0.170, East
G28	APPLE GRAPHICS INC	1858 EVERGREEN ST	RCRA-SQG, FINDS, ECHO, CA HAZNET, CA LOS ANGELES...	Higher	920, 0.174, ENE
29	DUARTE NISSAN	1440 CENTRAL	CA SWEEPS UST	Lower	951, 0.180, NW
G30	FEDERICOS BAKERY	1860 EVERGREEN DR	CA HIST UST	Higher	1083, 0.205, ENE
G31	FEDERICO'S BAKERY	1860 EVERGREEN ST	CA HIST UST	Higher	1083, 0.205, ENE
H32	HOFFMAN EDUCATIONAL	1863 BUSINESS CENTER	CA WIP	Higher	1145, 0.217, East
33	HOPE CITY OF MEDICAL	1500 E DUARTE RD	NY MANIFEST	Lower	1185, 0.224, WSW
34	FREDRICKS DEVELOPMEN	1315 HIGHLAND AVE	CA SWEEPS UST	Higher	1268, 0.240, NNE
H35	CUSTOMATION IND ARTS	1956 E EVERGREEN AVE	RCRA-SQG, FINDS, ECHO	Higher	1268, 0.240, ENE
36	DUARTE AUTO CENTER	1713 HUNTINGTON DR E	CA LUST, CA HIST CORTESE, CA LOS ANGELES CO. HMS	Higher	2076, 0.393, North
37	CHEVRON #9-4104	1815 BUENA VISTA ST	CA LUST, CA HIST CORTESE	Lower	2144, 0.406, WSW
38	CITY OF DUARTE	1427 BUENA VISTA ST	CA LUST, CA HIST CORTESE, CA LOS ANGELES CO. HMS	Higher	2282, 0.432, WNW
39	JOHN'S FOREIGN CAR R	1405 HUNTINGTON DR	CA LUST, CA HIST UST, CA LOS ANGELES CO. HMS	Higher	2571, 0.487, NW

MAPPED SITES SUMMARY

Target Property Address:
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	FORMER LERNER'S GAS	2107 HUNTINGTON DRIV	CA ENVIROSTOR	Higher	3028, 0.573, NE
41	TDH PRECIOUS METAL R	2300 E CENTRAL AVE	CA ENVIROSTOR, LA Co. Site Mitigation	Higher	3476, 0.658, ENE
42	SOUTHWEST PRODUCTION	2240 BUENA VISTA	RCRA-SQG, CA ENVIROSTOR, CA LUST, CA VCP, CA HIST...	Lower	3653, 0.692, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FORMER GE AVIATION S 1700 BUSINESS CENTER DUARTE, CA 91010	CA ENVIROSTOR Facility Id: 71002242 Status: No Further Action CA VCP Status: No Further Action Facility Id: 71002242 CA HIST UST Facility Id: 00000020927 CA NPDES	N/A
WOODWARD HRT 1700 BUSINESS CENTER DUARTE, CA 91010	RCRA-SQG EPA ID:: CAD008503112 ICIS FRS ID:: 110000476556 FINDS Registry ID:: 110000476556 ECHO Registry ID: 110000476556	CAD008503112
HYDRAULIC UNITS INC 1700 BUSINESS CTR DR DUARTE, CA 91010	CA EMI Facility Id: 44777	N/A
DOWTY AEROSPACE LOS 1700 BUSINESS CENTER DUARTE, CA 91010	CA HAZNET GEPAID: CAD008503112 CA NPDES	N/A
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA SWEEPS UST Status: A Comp Number: 686 CA HIST UST CA FID UST Facility Id: 19000025 Status: A CA HAZNET GEPAID: CAL000382267 CA NPDES Facility Status: Active CA WDS	N/A

	Facility Status: A Facility Id: 4 19I016617 CA WIP	
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA LOS ANGELES CO. HMS Facility ID: 000682-047499	N/A
SMITHS AEROSPACE ACT 1700 BUSINESS CENTER DUARTE, CA 91010	CA LOS ANGELES CO. HMS Facility ID: 000682-036535 Facility ID: 000682-051399 Facility ID: 000682-054781	N/A
HYDRAULIC UNITS INC 1700 BUSINESS CENTER DUARTE, CA 91010	CA AST CA LOS ANGELES CO. HMS Facility ID: 000682-I00686 Facility ID: 000682-057940 Facility ID: 000682-020114 Facility ID: 008970-000686 CA NPDES Facility Status: Terminated	N/A
1700 BUSINESS CENTER 1700 BUSINESS CENTER DUARTE, CA	CA AST	N/A

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that

there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOLDEN STATE HYDRAUL	***1718 HIGHLAND AVE UN***	***E 0 - 1/8 (0.022 mi.)***	***C14***	***12***
HOLMES BODY SHOP DUA	***1718 HIGHLAND AVE***	***E 0 - 1/8 (0.022 mi.)***	***C15***	***12***
RAIN BIRD CONSUMER P	***1750 EVERGREEN***	***ENE 0 - 1/8 (0.066 mi.)***	***D17***	***13***
DISCOPY LABS INC	***1848 EVERGREEN AVE***	***ENE 0 - 1/8 (0.071 mi.)***	***D18***	***13***
SARI ART AND PRINTIN	***1803 BUSINESS CENTER***	***E 0 - 1/8 (0.073 mi.)***	***19***	***13***
PACIFIC SCIENTIFIC	***1800 HIGHLAND AVE***	***ESE 0 - 1/8 (0.080 mi.)***	***E21***	***14***
ASSEMBLY AUTOMATION	***1858 BUSINESS CTR DR***	***E 1/8 - 1/4 (0.154 mi.)***	***F23***	***15***
APPLE GRAPHICS INC	***1858 EVERGREEN ST***	***ENE 1/8 - 1/4 (0.174 mi.)***	***G28***	***17***
CUSTOMATION IND ARTS	***1956 E EVERGREEN AVE***	***ENE 1/8 - 1/4 (0.240 mi.)***	***H35***	***19***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOLMES BODY SHOP INC	***1801 HIGHLAND AVE***	***SSE 0 - 1/8 (0.012 mi.)***	***B10***	***10***

RCRA-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIBRWRAP CONSTRUCTIO	1710 EVERGREEN STREE	N 0 - 1/8 (0.057 mi.)	16	12

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: A review of the CA ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 3 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER LERNER'S GAS Facility Id: 70000050 Status: Refer: Local Agency	2107 HUNTINGTON DRIV	NE 1/2 - 1 (0.573 mi.)	40	20
TDH PRECIOUS METAL R Facility Id: 71003333 Status: Refer: Other Agency	***2300 E CENTRAL AVE***	***ENE 1/2 - 1 (0.658 mi.)***	***41***	***21***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST PRODUCTION Facility Id: 19340773	***2240 BUENA VISTA***	***SW 1/2 - 1 (0.692 mi.)***	***42***	***21***

Status: No Further Action

State and tribal leaking storage tank lists

CA LUST: A review of the CA LUST list, as provided by EDR, has revealed that there are 4 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.393 mi.)***	***36***	***19***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: R-06089 Global Id: T0603704718 Global ID: T0603704718 Status: Case Closed				
CITY OF DUARTE	***1427 BUENA VISTA ST***	***WNW 1/4 - 1/2 (0.432 mi.)***	***38***	***20***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-14948 Global Id: T0603704232 Global ID: T0603704232 Status: Case Closed				
JOHN'S FOREIGN CAR R	***1405 HUNTINGTON DR***	***NW 1/4 - 1/2 (0.487 mi.)***	***39***	***20***
Database: LUST, Date of Government Version: 03/12/2018 Status: Open - Inactive Global Id: T0603706372				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104	***1815 BUENA VISTA ST***	***WSW 1/4 - 1/2 (0.406 mi.)***	***37***	***19***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-10657 Global Id: T0603703645 Global ID: T0603703645 Status: Case Closed				

State and tribal registered storage tank lists

CA UST: A review of the CA UST list, as provided by EDR, has revealed that there is 1 CA UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***
Database: UST, Date of Government Version: 12/11/2017				

Facility Id: LACoFA0009297
Facility Id: 169

CA AST: A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there is 1 CA AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF HOPE MEDICAL	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA SWEEPS UST: A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREDRICKS DEVELOPMEN Status: A Comp Number: 12449	1315 HIGHLAND AVE	NNE 1/8 - 1/4 (0.240 mi.)	34	18

Lower Elevation	Address	Direction / Distance	Map ID	Page
PIONEER ELECTRONICS Comp Number: 6221	***1801 HIGHLAND AVE***	***SSE 0 - 1/8 (0.012 mi.)***	***B12***	***11***
CITY OF HOPE MEDICAL Status: A Tank Status: A Comp Number: 169	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***
DUARTE NISSAN Status: A Tank Status: A Comp Number: 14079	1440 CENTRAL	NW 1/8 - 1/4 (0.180 mi.)	29	17

CA HIST UST: A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC SCIENTIFIC - Facility Id: 00000034002	***1800 HIGHLAND AVE.***	***ESE 0 - 1/8 (0.080 mi.)***	***E20***	***14***
MAJESTIC PARTY SALES	1857 BUSINESS CTR DR	E 1/8 - 1/4 (0.170 mi.)	F26	16
MAJESTIC PARTY SALES	1857 BUSINESS CENTER	E 1/8 - 1/4 (0.170 mi.)	F27	17

Facility Id: 00000041132				
FEDERICOS BAKERY	1860 EVERGREEN DR	ENE 1/8 - 1/4 (0.205 mi.)	G30	18
FEDERICO'S BAKERY Facility Id: 00000046910	1860 EVERGREEN ST	ENE 1/8 - 1/4 (0.205 mi.)	G31	18

Lower Elevation	Address	Direction / Distance	Map ID	Page
PIONEER ELECTRONICS Facility Id: 00000020936	1801 HIGHLAND AVE	SSE 0 - 1/8 (0.012 mi.)	B11	11
CITY OF HOPE MEDICAL Facility Id: 00000019026	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***

CA FID UST: A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
(FORMERLY) PIONEER E Facility Id: 19001157 Status: I	1801 S HIGHLAND AVE	SSE 0 - 1/8 (0.012 mi.)	B13	11
CITY OF HOPE MEDICAL Facility Id: 19000157 Status: A	***1500 E DUARTE RD***	***WSW 0 - 1/8 (0.086 mi.)***	***22***	***14***

Other Ascertainable Records

RCRA NonGen / NLR: 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
IBIS SYSTEMS INC	***1850 EVERGEEN DR***	***ENE 1/8 - 1/4 (0.155 mi.)***	***G24***	***16***

CA HIST CORTESE: A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DUARTE AUTO CENTER Reg Id: R-06089	***1713 HUNTINGTON DR E***	***N 1/4 - 1/2 (0.393 mi.)***	***36***	***19***
CITY OF DUARTE Reg Id: I-14948	***1427 BUENA VISTA ST***	***WNW 1/4 - 1/2 (0.432 mi.)***	***38***	***20***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104	***1815 BUENA VISTA ST***	***WSW 1/4 - 1/2 (0.406 mi.)***	***37***	***19***

EXECUTIVE SUMMARY

Reg Id: I-10657

NY MANIFEST: A review of the NY MANIFEST list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOPE CITY OF MEDICAL EPA ID: CAD066698408	1500 E DUARTE RD	WSW 1/8 - 1/4 (0.224 mi.)	33	18

CA WIP: A review of the CA WIP list, as provided by EDR, and dated 07/03/2009 has revealed that there are 4 CA WIP sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOLDEN STATE HYDRAUL	***1718 HIGHLAND AVE UN***	***E 0 - 1/8 (0.022 mi.)***	***C14***	***12***
PACIFIC SCIENTIFIC -	***1800 HIGHLAND AVE.***	***ESE 0 - 1/8 (0.080 mi.)***	***E20***	***14***
OCCUPANT	1802 SANTO DOMINGO A	E 1/8 - 1/4 (0.162 mi.)	F25	16
HOFFMAN EDUCATIONAL	1863 BUSINESS CENTER	E 1/8 - 1/4 (0.217 mi.)	H32	18

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONROVIA	S118939173	WEST VALLEY BASE - SECURITY PAVING	128 EAST LIVE OAK AVENUE	91016	CA SWF/LF

OVERVIEW MAP - 5233268.2S

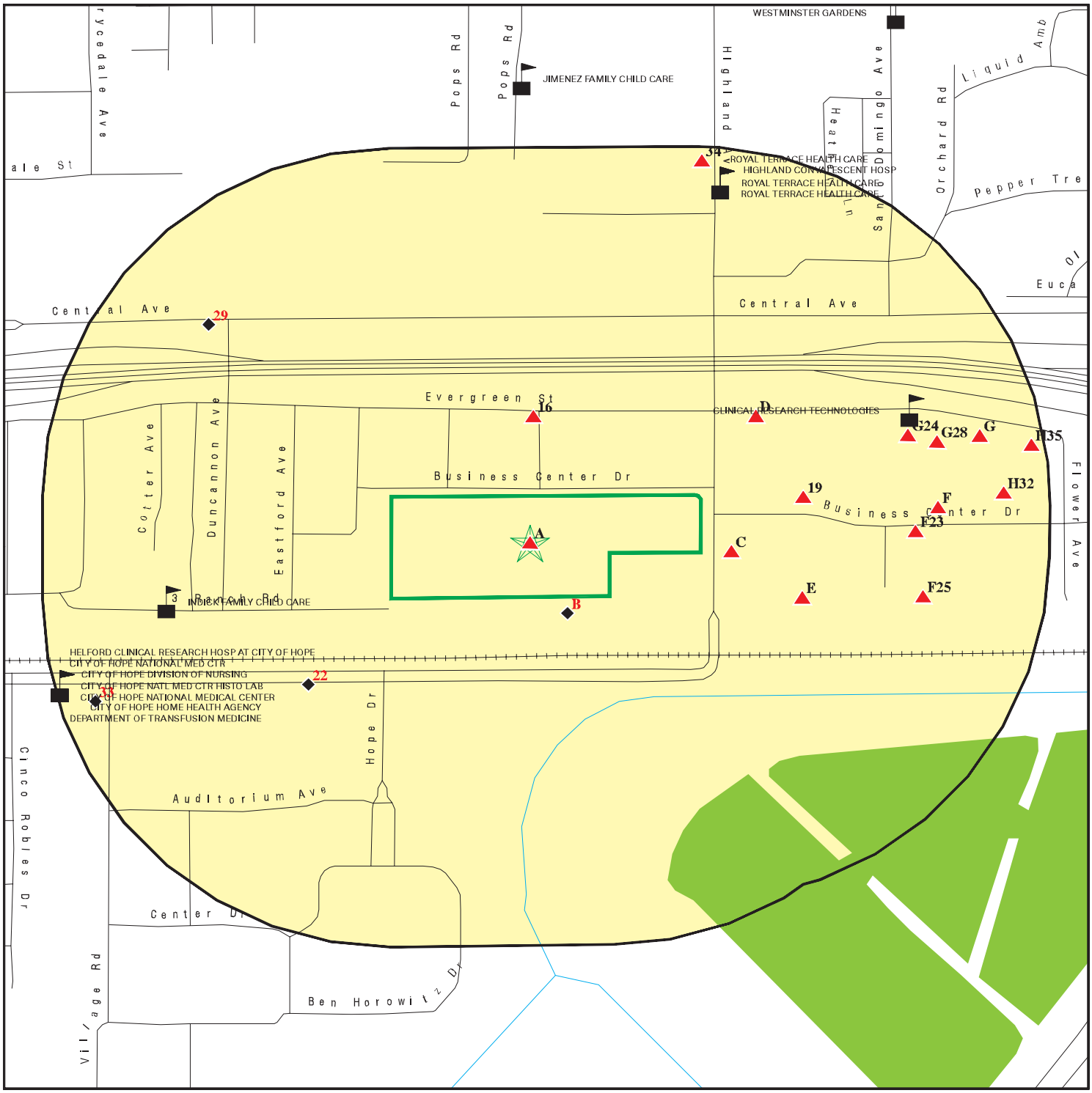
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- 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: Duarte Phase I ESA	CLIENT: Catlayst Environmnetal Solutions
ADDRESS: 1700 Business Center Drive Duarte CA 91010	CONTACT: Justin Campbell
LAT/LONG: 34.133681 / 117.968927	INQUIRY #: 5233268.2s DATE: March 23, 2018 6:20 pm

DETAIL MAP - 5233268.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duarte Phase I ESA	CLIENT: Catlayst Environmnetal Solutions
ADDRESS: 1700 Business Center Drive Duarte CA 91010	CONTACT: Justin Campbell INQUIRY #: 5233268.2s
LAT/LONG: 34.133681 / 117.968927	DATE: March 23, 2018 6:21 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	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	0	NR	NR	0
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		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	7	3	NR	NR	NR	11
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000	1	0	0	0	3	NR	4
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		0	0	4	NR	NR	4

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
CA SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		1	0	NR	NR	NR	1
CA AST	0.250	2	1	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250	1	2	2	NR	NR	NR	5
CA HIST UST	0.250	2	3	4	NR	NR	NR	9
CA FID UST	0.250	1	2	0	NR	NR	NR	3
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	0.001	1	0	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001	2	0	NR	NR	NR	NR	2
CA ICE	0.001		0	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		0	0	3	NR	NR	3
CA LOS ANGELES CO. HMS	0.001	3	0	NR	NR	NR	NR	3
CA HWP	1.000		0	0	0	0	NR	0
CA HWT	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	0.001		0	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	0.001	4	0	NR	NR	NR	NR	4
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
CA UIC	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001	1	0	NR	NR	NR	NR	1
CA WIP	0.250	1	2	2	NR	NR	NR	5
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		24	20	13	7	3	0	67

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1 **Target Property**	**FORMER GE AVIATION SYSTEMS** **1700 BUSINESS CENTER DRIVE** **DUARTE, CA 91010**	**CA ENVIROSTOR** **CA VCP** **CA HIST UST** **CA NPDES**	**U001566475** **N/A**

Actual: 486 ft.

Click here for full text details

CA ENVIROSTOR
Facility Id: 71002242
Status: No Further Action

CA VCP
Facility Id: 71002242
Status: No Further Action

CA HIST UST
Facility Id: 00000020927

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A2 **Target Property**	**WOODWARD HRT** **1700 BUSINESS CENTER DR** **DUARTE, CA 91010**	**RCRA-SQG** **ICIS** **FINDS** **ECHO**	**1000385001** **CAD008503112**

Actual: 486 ft.

Click here for full text details

RCRA-SQG
EPA Id: CAD008503112

ICIS
FRS ID:: 110000476556

FINDS
Registry ID:: 110000476556

ECHO
Registry ID: 110000476556

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A3 **Target Property**	**HYDRAULIC UNITS INC** **1700 BUSINESS CTR DR** **DUARTE, CA 91010**	**CA EMI**	**S106832867** **N/A**

Actual: 486 ft.

Click here for full text details

CA EMI
Facility Id: 44777

A4
Target Property
Actual: 486 ft.

DOWTY AEROSPACE LOS ANGELES
1700 BUSINESS CENTER DR
DUARTE, CA 91010

CA HAZNET **S112999527**
CA NPDES **N/A**

Click here for full text details

CA HAZNET
GEPAID: CAD008503112

A5
Target Property
Actual: 486 ft.

SMITHS AEROSPACE ACTUATION
1700 BUSINESS CENTER DR
DUARTE, CA 91010

CA SWEEPS UST **1000353954**
CA HIST UST **N/A**
CA FID UST
CA HAZNET
CA NPDES
CA WDS
CA WIP

Click here for full text details

CA SWEEPS UST
Status: A
Comp Number: 686

CA FID UST
Status: A
Facility Id: 19000025

CA HAZNET
GEPAID: CAL000382267

CA NPDES
Facility Status: Active

CA WDS
Facility Id: 4 19I016617
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

A6
Target Property
Actual: 486 ft.

SMITHS AEROSPACE ACTUATION SYS
1700 BUSINESS CENTER DR
DUARTE, CA 91010

CA LOS ANGELES CO. HMS **S108240050**
N/A

Click here for full text details

CA LOS ANGELES CO. HMS
Facility ID: 000682-047499
Facility Status: Closed

A7
Target
Property
Actual:
486 ft.

SMITHS AEROSPACE ACTUATION SYS
1700 BUSINESS CENTER DR
DUARTE, CA 91010

CA LOS ANGELES CO. HMS **S105193546**
N/A

Click here for full text details

CA LOS ANGELES CO. HMS
Facility ID: 000682-036535
Facility ID: 000682-051399
Facility ID: 000682-054781
Facility Status: OPEN
Facility Status: Closed

A8
Target
Property
Actual:
486 ft.

HYDRAULIC UNITS INC (CLOSED)
1700 BUSINESS CENTER DR
DUARTE, CA 91010

CA AST **S105034012**
CA LOS ANGELES CO. HMS **N/A**
CA NPDES

Click here for full text details

CA LOS ANGELES CO. HMS
Facility ID: 000682-I00686
Facility ID: 000682-057940
Facility ID: 000682-020114
Facility ID: 008970-000686
Facility Status: Permit
Facility Status: OPEN
Facility Status: Removed

CA NPDES
Facility Status: Terminated

A9
Target
Property
Actual:
486 ft.

1700 BUSINESS CENTER DR
DUARTE, CA

CA AST **A100344616**
N/A

Click here for full text details

B10
SSE
< 1/8
0.012 mi.
63 ft.
Relative:
Lower

HOLMES BODY SHOP INC
1801 HIGHLAND AVE
DUARTE, CA 91010

RCRA-SQG **1000298574**
FINDS **CAD097032882**
ECHO
CA LOS ANGELES CO. HMS

Click here for full text details

RCRA-SQG
EPA Id: CAD097032882

FINDS
Registry ID:: 110002665349
Registry ID:: 110011648618

HOLMES BODY SHOP INC (Continued) **1000298574**

ECHO
Registry ID: 110002665349

CA LOS ANGELES CO. HMS
Facility ID: 006007-I08964
Facility ID: 006007-I08973
Facility ID: 006007-008964
Facility Status: Closed
Facility Status: Removed
Facility Status: OPEN

B11
SSE
< 1/8
0.012 mi.
63 ft.

Relative:
Lower

PIONEER ELECTRONICS INC **CA HIST UST** **U001566483**
1801 HIGHLAND AVE **N/A**
DUARTE, CA 91010

Click here for full text details

CA HIST UST
Facility Id: 00000020936

B12
SSE
< 1/8
0.012 mi.
63 ft.

Relative:
Lower

PIONEER ELECTRONICS TECH **CA SWEEPS UST** **S105034013**
1801 HIGHLAND AVE **CA LOS ANGELES CO. HMS** **N/A**
DUARTE, CA 91010

Click here for full text details

CA SWEEPS UST
Comp Number: 6221

CA LOS ANGELES CO. HMS
Facility ID: 006007-006221
Facility ID: 006007-I06221
Facility Status: Removed
Facility Status: Closed

B13
SSE
< 1/8
0.012 mi.
63 ft.

Relative:
Lower

(FORMERLY) PIONEER ELECTRONICS **CA FID UST** **S101582711**
1801 S HIGHLAND AVE **N/A**
DUARTE, CA 91010

Click here for full text details

CA FID UST
Status: I
Facility Id: 19001157

C14
East
< 1/8
0.022 mi.
115 ft.

Relative:
Higher

GOLDEN STATE HYDRAULICS
1718 HIGHLAND AVE UNIT A
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO
CA WIP

1000820056
CAD983660770

Click here for full text details

RCRA-SQG
EPA Id: CAD983660770

FINDS
Registry ID:: 110009550798

ECHO
Registry ID: 110009550798

C15
East
< 1/8
0.022 mi.
115 ft.

Relative:
Higher

HOLMES BODY SHOP DUARTE INC
1718 HIGHLAND AVE
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO
CA LOS ANGELES CO. HMS

1000685944
CAD983629106

Click here for full text details

RCRA-SQG
EPA Id: CAD983629106

FINDS
Registry ID:: 110055747946
Registry ID:: 110002872972

ECHO
Registry ID: 110002872972

CA LOS ANGELES CO. HMS
Facility ID: 016507-021883
Facility ID: 016507-058106
Facility Status: Closed
Facility Status: Permit

16
North
< 1/8
0.057 mi.
303 ft.

Relative:
Higher

FIBRWRAP CONSTRUCTION INC
1710 EVERGREEN STREET
DUARTE, CA 91702

RCRA-CESQG

1008402359
CAR000130260

Click here for full text details

RCRA-CESQG
EPA Id: CAR000130260

D17
ENE
< 1/8
0.066 mi.
348 ft.

Relative:
Higher

RAIN BIRD CONSUMER PROD MFG CORP
1750 EVERGREEN
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO

1000304163
CAD098601685

Click here for full text details

RCRA-SQG
EPA Id: CAD098601685

FINDS
Registry ID:: 110002665893

ECHO
Registry ID: 110002665893

D18
ENE
< 1/8
0.071 mi.
374 ft.

Relative:
Higher

DISCOPY LABS INC
1848 EVERGREEN AVE
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO

1000395284
CAD982518052

Click here for full text details

RCRA-SQG
EPA Id: CAD982518052

FINDS
Registry ID:: 110002839616

ECHO
Registry ID: 110002839616

19
East
< 1/8
0.073 mi.
386 ft.

Relative:
Higher

SARI ART AND PRINTING
1803 BUSINESS CENTER DR
DUARTE, CA 91010

RCRA-SQG
FINDS
ECHO
CA HAZNET

1004677140
CAR000093666

Click here for full text details

RCRA-SQG
EPA Id: CAR000093666

FINDS
Registry ID:: 110012243483

ECHO
Registry ID: 110012243483

CA HAZNET
GEPAID: CAR000093666

E20
ESE
< 1/8
0.080 mi.
420 ft.

Relative:
Higher

PACIFIC SCIENTIFIC - HTL DIVIS
1800 HIGHLAND AVE.
DUARTE, CA 91010

Click here for full text details

CA HIST UST
CA EMI
CA HAZNET
CA NPDES
CA WDS
CA WIP

U001566474
N/A

CA HIST UST
Facility Id: 00000034002

CA EMI
Facility Id: 57300

CA HAZNET
GEPAID: CAC002729388

CA NPDES
Facility Status: Terminated

CA WDS
Facility Id: 4 19I009090
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

E21
ESE
< 1/8
0.080 mi.
420 ft.

Relative:
Higher

PACIFIC SCIENTIFIC
1800 HIGHLAND AVE
DUARTE, CA 91010

Click here for full text details

RCRA-SQG
FINDS
ECHO

1000101327
CAD056444656

RCRA-SQG
EPA Id: CAD056444656

FINDS
Registry ID:: 110000476565

ECHO
Registry ID: 110000476565

22
WSW
< 1/8
0.086 mi.
452 ft.

Relative:
Lower

CITY OF HOPE MEDICAL CENTER
1500 E DUARTE RD
DUARTE, CA 91010

Click here for full text details

RCRA-LQG
CA UST
CA AST
CA SWEEPS UST
CA HIST UST
CA FID UST
ICIS
US AIRS
CA EMI
CA LOS ANGELES CO. HMS
CA NPDES

1000440531
CAD066698408

RCRA-LQG

CITY OF HOPE MEDICAL CENTER (Continued) **1000440531**

EPA Id: CAD066698408

CA UST
Facility Id: LACoFA0009297
Facility Id: 169

CA SWEEPS UST
Status: A
Tank Status: A
Comp Number: 169

CA HIST UST
Facility Id: 00000019026

CA FID UST
Status: A
Facility Id: 19000157

ICIS
FRS ID:: 110000831208

US AIRS
EPA plant ID:: 110000831208

CA EMI
Facility Id: 23194

CA LOS ANGELES CO. HMS
Facility ID: 000168-I00169
Facility ID: 000168-000169
Facility ID: 033577-056899
Facility Status: Permit
Facility Status: Closed

CA NPDES
Facility Status: Terminated
Facility Status: Active

F23
East
1/8-1/4
0.154 mi.
813 ft.

Relative:
Higher

ASSEMBLY AUTOMATION **RCRA-SQG** **1000820230**
1858 BUSINESS CTR DR **FINDS** **CAD983662644**
DUARTE, CA 91010 **ECHO**
CA HAZNET

Click here for full text details

RCRA-SQG
EPA Id: CAD983662644

FINDS

ASSEMBLY AUTOMATION (Continued) **1000820230**

Registry ID:: 110002895083

ECHO
Registry ID: 110002895083

CA HAZNET
GEPAID: CAD983662644

G24
ENE
1/8-1/4
0.155 mi.
820 ft.

Relative:
Higher

IBIS SYSTEMS INC **RCRA NonGen / NLR** **1000376024**
1850 EVERGEEN DR **FINDS** **CAD981685977**
DUARTE, CA 91010 **ECHO**

Click here for full text details

RCRA NonGen / NLR
EPA Id: CAD981685977

FINDS
Registry ID:: 110002752423

ECHO
Registry ID: 110002752423

F25
East
1/8-1/4
0.162 mi.
858 ft.

Relative:
Higher

OCCUPANT **CA WIP** **S106765114**
1802 SANTO DOMINGO AVE **N/A**
DUARTE, CA 91010

Click here for full text details

F26
East
1/8-1/4
0.170 mi.
897 ft.

Relative:
Higher

MAJESTIC PARTY SALES INC **CA HIST UST** **S118412626**
1857 BUSINESS CTR DR **N/A**
DUARTE, CA 91010

Click here for full text details

F27
East
1/8-1/4
0.170 mi.
897 ft.

Relative:
Higher

MAJESTIC PARTY SALES, INC.
1857 BUSINESS CENTER DR
DUARTE, CA 91010

CA HIST UST **U001566479**
N/A

Click here for full text details

CA HIST UST
Facility Id: 00000041132

G28
ENE
1/8-1/4
0.174 mi.
920 ft.

Relative:
Higher

APPLE GRAPHICS INC
1858 EVERGREEN ST
DUARTE, CA 91010

RCRA-SQG **1001201414**
FINDS **CAR000020669**
ECHO
CA HAZNET
CA LOS ANGELES CO. HMS

Click here for full text details

RCRA-SQG
EPA Id: CAR000020669

FINDS
Registry ID:: 110002917988

ECHO
Registry ID: 110002917988

CA HAZNET
GEPAID: CAR000020669

CA LOS ANGELES CO. HMS
Facility ID: 016523-021915
Facility Status: Closed

29
NW
1/8-1/4
0.180 mi.
951 ft.

Relative:
Lower

DUARTE NISSAN
1440 CENTRAL
DUARTE, CA

CA SWEEPS UST **S106925551**
N/A

Click here for full text details

CA SWEEPS UST
Status: A
Tank Status: A
Comp Number: 14079

G30
ENE
1/8-1/4
0.205 mi.
1083 ft.

Relative:
Higher

FEDERICOS BAKERY
1860 EVERGREEN DR
DUARTE, CA 91010

CA HIST UST **S118410032**
N/A

Click here for full text details

G31
ENE
1/8-1/4
0.205 mi.
1083 ft.

Relative:
Higher

FEDERICO'S BAKERY
1860 EVERGREEN ST
DUARTE, CA 91010

CA HIST UST **U001566469**
N/A

Click here for full text details

CA HIST UST
Facility Id: 00000046910

H32
East
1/8-1/4
0.217 mi.
1145 ft.

Relative:
Higher

HOFFMAN EDUCATIONAL SYSTEM
1863 BUSINESS CENTER DR
DUARTE, CA 91010

CA WIP **S106765134**
N/A

Click here for full text details

33
WSW
1/8-1/4
0.224 mi.
1185 ft.

Relative:
Lower

HOPE CITY OF MEDICAL CENTER
1500 E DUARTE RD
DUARTE, CA 91010

NY MANIFEST **S120956885**
N/A

Click here for full text details

NY MANIFEST
EPA ID: CAD066698408

34
NNE
1/8-1/4
0.240 mi.
1268 ft.

Relative:
Higher

FREDRICKS DEVELOPMENT CORP
1315 HIGHLAND AVE
DUARTE, CA

CA SWEEPS UST **S106926450**
N/A

Click here for full text details

CA SWEEPS UST
Status: A
Comp Number: 12449

H35
ENE
1/8-1/4
0.240 mi.
1268 ft.

Relative:
Higher

CUSTOMATION IND ARTS
1956 E EVERGREEN AVE
DUARTE, CA 91010

RCRA-SQG **1000415983**
FINDS **CAD053855086**
ECHO

Click here for full text details

RCRA-SQG
EPA Id: CAD053855086

FINDS
Registry ID:: 110002649402

ECHO
Registry ID: 110002649402

36
North
1/4-1/2
0.393 mi.
2076 ft.

Relative:
Higher

DUARTE AUTO CENTER
1713 HUNTINGTON DR E
DUARTE, CA 91010

CA LUST **S102058082**
CA HIST CORTESE **N/A**
CA LOS ANGELES CO. HMS

Click here for full text details

CA LUST
Status: Case Closed
Status: Completed - Case Closed
Facility Id: R-06089
Global Id: T0603704718
Global ID: T0603704718

CA HIST CORTESE
Reg Id: R-06089

CA LOS ANGELES CO. HMS
Facility ID: 005875-006089
Facility Status: Removed

37
WSW
1/4-1/2
0.406 mi.
2144 ft.

Relative:
Lower

CHEVRON #9-4104
1815 BUENA VISTA ST
DUARTE, CA 91010

CA LUST **S102427244**
CA HIST CORTESE **N/A**

Click here for full text details

CA LUST
Status: Case Closed
Status: Completed - Case Closed
Facility Id: I-10657
Global Id: T0603703645
Global ID: T0603703645

CA HIST CORTESE
Reg Id: I-10657

38
WNW
1/4-1/2
0.432 mi.
2282 ft.

Relative:
Higher

CITY OF DUARTE
1427 BUENA VISTA ST
DUARTE, CA 91010

CA LUST **S100720633**
CA HIST CORTESE **N/A**
CA LOS ANGELES CO. HMS

Click here for full text details

CA LUST
Status: Case Closed
Status: Completed - Case Closed
Facility Id: I-14948
Global Id: T0603704232
Global ID: T0603704232

CA HIST CORTESE
Reg Id: I-14948

CA LOS ANGELES CO. HMS
Facility ID: 008538-014948
Facility Status: Removed

39
NW
1/4-1/2
0.487 mi.
2571 ft.

Relative:
Higher

JOHN'S FOREIGN CAR REPAIR
1405 HUNTINGTON DR
DUARTE, CA 91010

CA LUST **U001566477**
CA HIST UST **N/A**
CA LOS ANGELES CO. HMS

Click here for full text details

CA LUST
Status: Open - Inactive
Global Id: T0603706372

CA HIST UST
Facility Id: 00000033966

CA LOS ANGELES CO. HMS
Facility ID: 004116-I04262
Facility ID: 004116-004262
Facility ID: 004116-037667
Facility ID: 004116-026189
Facility Status: Closed
Facility Status: Removed
Facility Status: Permit

40
NE
1/2-1
0.573 mi.
3028 ft.

Relative:
Higher

FORMER LERNER'S GAS STATION
2107 HUNTINGTON DRIVE
DUARTE, CA 91010

CA ENVIROSTOR **S107736333**
N/A

Click here for full text details

CA ENVIROSTOR
Facility Id: 70000050
Status: Refer: Local Agency

41
ENE
1/2-1
0.658 mi.
3476 ft.

Relative:
Higher

TDH PRECIOUS METAL REFINERY/TDH GOLD
2300 E CENTRAL AVE
DUARTE, CA 91010

CA ENVIROSTOR **S110494366**
LA Co. Site Mitigation **N/A**

Click here for full text details

CA ENVIROSTOR
Facility Id: 71003333
Status: Refer: Other Agency

LA Co. Site Mitigation
Site ID: SD0000344
Case ID: RO0001345

42
SW
1/2-1
0.692 mi.
3653 ft.

Relative:
Lower

SOUTHWEST PRODUCTIONS CO
2240 BUENA VISTA
IRWINDALE, CA 91706

RCRA-SQG **1000411027**
CA ENVIROSTOR **CAD981992498**
CA LUST
CA VCP
CA HIST UST
FINDS
ECHO
CA EMI
CA HIST CORTESE
LA Co. Site Mitigation

Click here for full text details

RCRA-SQG
EPA Id: CAD981992498

CA ENVIROSTOR
Facility Id: 19340773
Status: No Further Action

CA LUST
Status: Case Closed
Status: Completed - Case Closed
Facility Id: R-03582
Global Id: T0603704618
Global ID: T0603704618

CA VCP
Facility Id: 19340773
Status: No Further Action

CA HIST UST
Facility Id: 00000008102

FINDS
Registry ID:: 110002769442

ECHO

SOUTHWEST PRODUCTIONS CO (Continued) **1000411027**

Registry ID: 110002769442

CA EMI
Facility Id: 51799

CA HIST CORTESE
Reg Id: R-03582

LA Co. Site Mitigation
Facility Id: FA0006022
Site ID: SD0010375
Case ID: RO0010375

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	12/22/2017	12/26/2017	01/31/2018
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	06/30/2017	08/18/2017	09/21/2017
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	05/09/2017	07/26/2017	09/21/2017
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	02/08/2018	02/08/2018	02/08/2018
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/08/2018	02/08/2018	02/08/2018
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	12/01/2017	02/02/2018	03/16/2018
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2015	03/21/2017	08/15/2017
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	01/22/2018	01/24/2018	03/19/2018
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/22/2018	01/24/2018	03/20/2018
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	11/14/2017	11/17/2017	12/18/2017
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	02/08/2018	02/09/2018	03/20/2018
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2016	07/12/2017	10/17/2017
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	11/20/2017	11/20/2017	12/27/2017
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/08/2018	01/09/2018	02/06/2018
CA	ICE	ICE	Department of Toxic Subsances Control	11/20/2017	11/20/2017	12/27/2017
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	03/12/2018	03/14/2018	03/21/2018
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	11/30/2017	12/01/2017	01/11/2018
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
CA	MINES	Mines Site Location Listing	Department of Conservation	12/11/2017	12/12/2017	01/12/2018
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	11/29/2017	12/05/2017	01/16/2018
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	12/14/2017	12/15/2017	01/16/2018
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/14/2018	02/14/2018	03/15/2018
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	12/04/2017	12/05/2017	01/16/2018
CA	PROC	Certified Processors Database	Department of Conservation	12/11/2017	12/12/2017	01/16/2018
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
CA	SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	11/13/2017	11/14/2017	12/07/2017
CA	SWRCY	Recycler Database	Department of Conservation	12/11/2017	12/12/2017	01/17/2018
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	12/11/2017	12/12/2017	01/17/2018
CA	UST	Active UST Facilities	SWRCB	12/11/2017	12/12/2017	01/17/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	11/27/2017	11/29/2017	12/18/2017
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/30/2018	01/31/2018	03/19/2018
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	04/15/2015	04/17/2015	06/23/2015
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/25/2017	09/26/2017	10/20/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2017	11/10/2017	01/12/2018
US	CORRACTS	Corrective Action Report	EPA	12/11/2017	12/26/2017	02/09/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	06/27/2017	11/21/2017	01/12/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	12/11/2017	12/22/2017	01/05/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/13/2018	01/19/2018	03/02/2018
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/18/2017	09/21/2017	10/13/2017
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/07/2016	01/05/2017	04/07/2017
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	07/23/2017	09/06/2017	09/15/2017
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/20/2017	11/20/2017	01/12/2018
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/21/2017	09/21/2017	10/13/2017
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/14/2017	07/27/2017	10/06/2017
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	11/07/2017	12/08/2017
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/26/2017	07/27/2017	10/13/2017
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	10/06/2017
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2017	07/27/2017	10/06/2017
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/13/2017	07/27/2017	10/13/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/14/2017	07/27/2017	10/06/2017
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	07/27/2017	10/13/2017
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/26/2017	07/27/2017	10/06/2017
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	12/08/2017
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/02/2017	07/27/2017	10/06/2017
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/13/2017
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/13/2017	07/27/2017	10/13/2017
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/09/2018	02/06/2018	03/02/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/11/2017	12/22/2017	01/12/2018
US	LUCIS	Land Use Control Information System	Department of the Navy	05/22/2017	06/13/2017	09/15/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	12/11/2017	12/22/2017	01/05/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/11/2017	12/22/2017	01/05/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/02/2017	10/05/2017	10/13/2017
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	ROD	Records Of Decision	EPA	12/11/2017	12/22/2017	01/12/2018
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	12/11/2017	12/22/2017	01/12/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/11/2017	12/22/2017	01/12/2018
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	01/19/2018	01/19/2018	02/09/2018
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/09/2018	01/24/2018	02/09/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	11/13/2017	11/27/2017	02/09/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	01/11/2018	01/19/2018	03/02/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/19/2018	01/24/2018	02/09/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	11/13/2017	11/27/2017	02/09/2018
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	10/29/2017	11/28/2017	01/12/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	01/03/2018	02/14/2018	03/22/2018
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	04/11/2017	07/27/2017
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2017	01/31/2018	03/09/2018
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	07/25/2017	09/25/2017
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2013	06/19/2015	07/15/2015
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2016	04/13/2017	07/14/2017
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish & Game			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		PennWell Corporation			
US	Electric Power Transmission Line Data		PennWell Corporation			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DUARTE PHASE I ESA
1700 BUSINESS CENTER DRIVE
DUARTE, CA 91010

TARGET PROPERTY COORDINATES

Latitude (North):	34.133681 - 34° 8’ 1.25’’
Longitude (West):	117.968927 - 117° 58’ 8.14’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	410658.5
UTM Y (Meters):	3777207.5
Elevation:	486 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630601 AZUSA, CA
Version Date:	2012
South Map:	5619056 BALDWIN PARK, 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).

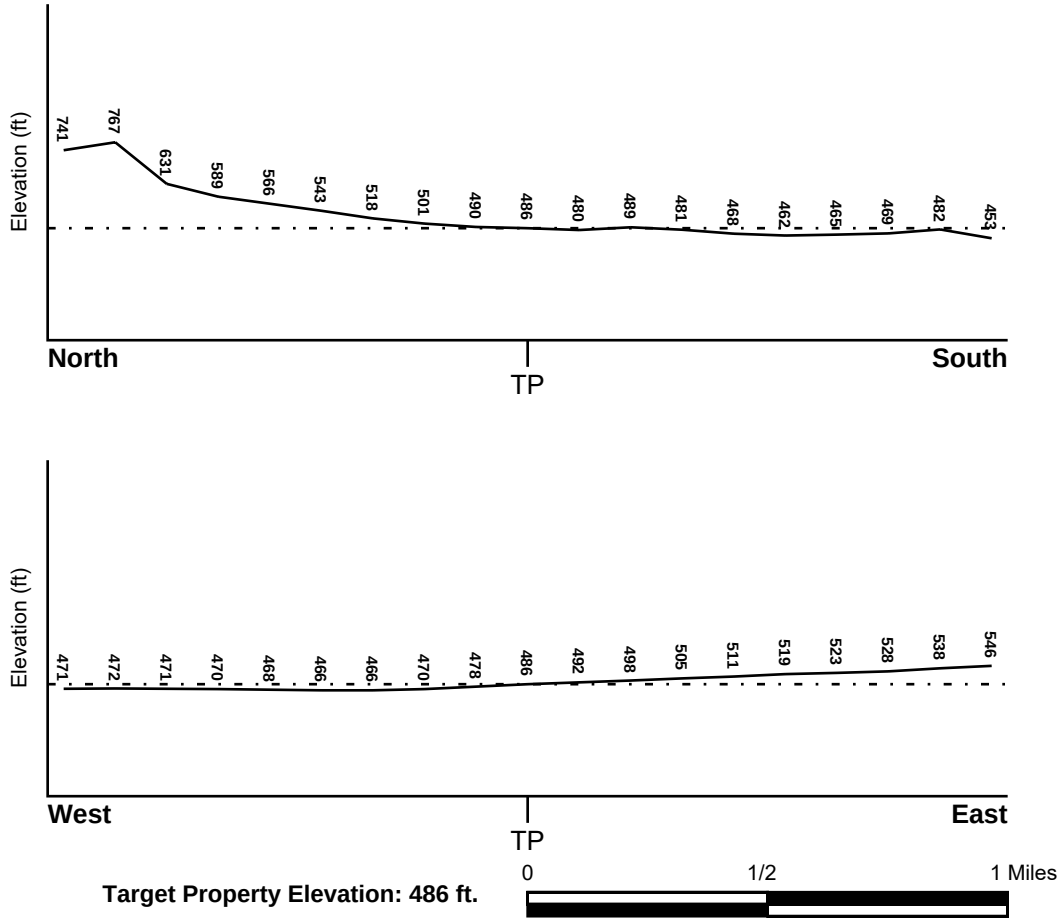
TOPOGRAPHIC INFORMATION

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 WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1415F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1700F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
AZUSA	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
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000141771	1/4 - 1/2 Mile East
4	USGS40000141696	1/2 - 1 Mile SW

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

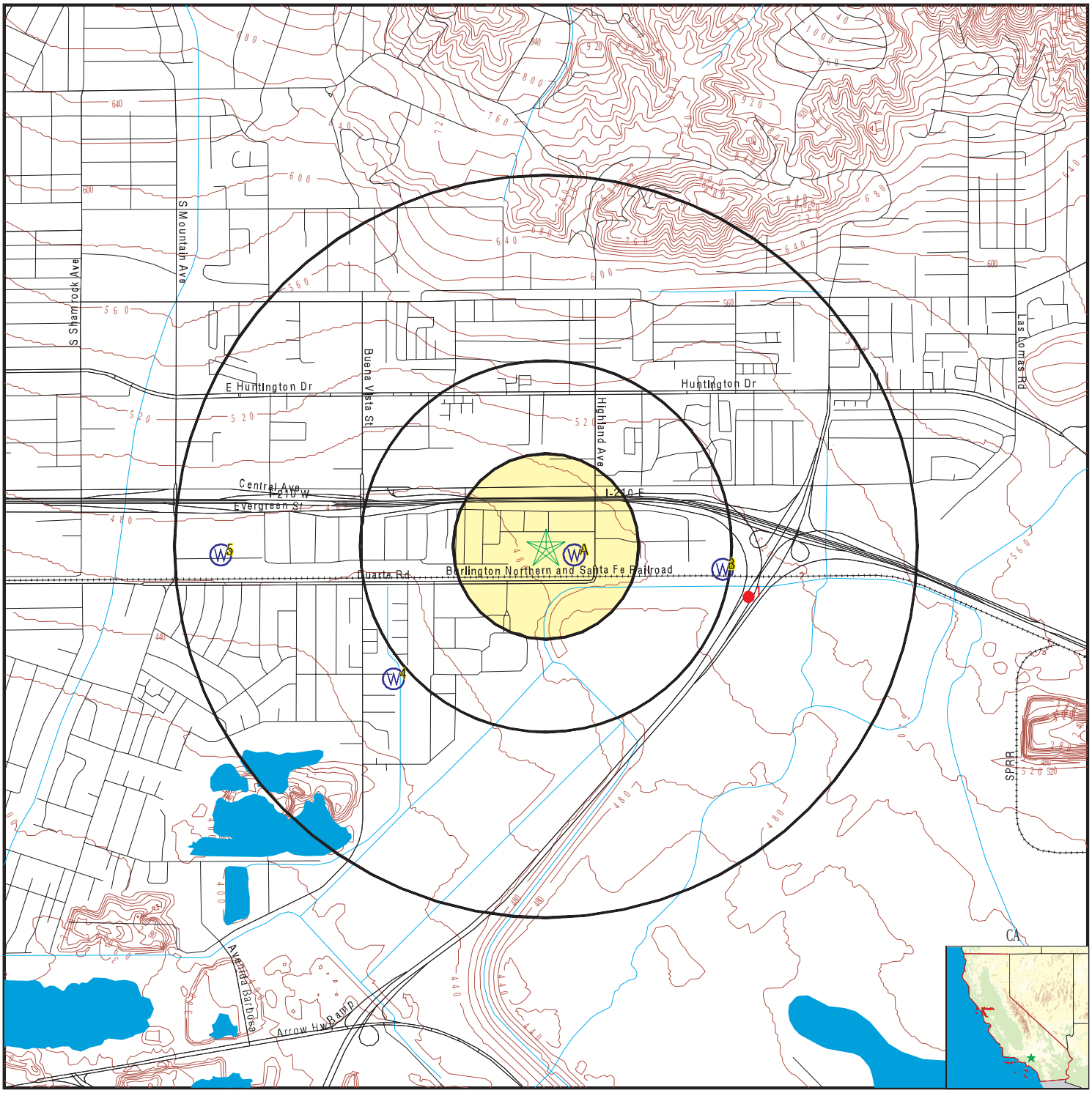
MAP ID	WELL ID	LOCATION FROM TP
A1	398	0 - 1/8 Mile ESE
A2	397	0 - 1/8 Mile ESE
5	437	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000214463	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5233268.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Duarte Phase I ESA	CLIENT:	Catlayst Environmnetal Solutions
ADDRESS:	1700 Business Center Drive Duarte CA 91010	CONTACT:	Justin Campbell
		INQUIRY #:	5233268.2s
LAT/LONG:	34.133681 / 117.968927	DATE:	March 23, 2018 6:22 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **ESE** **1/2 - 1 Mile**	Click here for full text details	**OIL_GAS**	**CAOG11000214463**
A1 **ESE** **0 - 1/8 Mile** **Higher**	Click here for full text details	**CA WELLS**	**398**
A2 **ESE** **0 - 1/8 Mile** **Higher**	Click here for full text details	**CA WELLS**	**397**
3 **East** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000141771**
4 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000141696**
5 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**CA WELLS**	**437**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91010	13	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91010

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

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

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.3
March 23, 2018

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

03/23/18

Site Name:

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010
EDR Inquiry # 5233268.3

Client Name:

Catlayst Environmnetal Solutions
315 Montana Ave Apt 311
Santa Monica, CA 90403
Contact: Justin Campbell

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Catlayst Environmnetal Solutions were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 3FA3-497D-AB13

PO # 440002

Project Duarte Phase I ESA

UNMAPPED PROPERTY

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

Sanborn® Library search results

Certification #: 3FA3-497D-AB13

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Catlayst Environmnetal Solutions (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.8
March 23, 2018

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

3/23/18

Site Name:
Duarte Phase I ESA
1700 Business
Duarte, CA 91010

EDR Inquiry # 5233268.8

Client Name:
Catlayst Environmnetal
315 Montana Ave Apt 311
Santa Monica, CA 90403

Contact: Justin Campbell

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/23/18, EDR does not have access to building permits in the city where your target property is located (Duarte, CA).

EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.5
March 23, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

DESCRIPTION

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

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

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

RECORD SOURCES

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

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by infoUSA®

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	-
2006	Haines Company	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines	-	-	-	-
1999	Haines Company	X	X	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	X	X	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1700 Business Center Drive
Duarte, CA 91010

FINDINGS DETAIL

Target Property research detail.

Business Center Dr

1700 Business Center Dr

Year	Uses	Source
2014	UNITED AUTO WORKERS LOCAL	EDR Digital Archive
	WOODWARD HRT INC	EDR Digital Archive
	WOODWARD INC	EDR Digital Archive
2010	GE AVIATION SYSTEMS LLC	EDR Digital Archive
	SMITHS AEROSPACE	EDR Digital Archive
	UNITED AUTO WORKERS LOCAL	EDR Digital Archive

BUSINESS CENTER DR

1700 BUSINESS CENTER DR

Year	Uses	Source
2006	AEROSPACE UNT	Haines Company
	DOWTY	Haines Company
1999	DOWTY AEROSPACE UNT	Haines Company
1995	Dowty Aerospace Los Angeles Hydraulic Units Inc	Pacific Bell
	Dowty Aerospace North America	Pacific Bell
	Doxey R	Pacific Bell
1985	HYDRAULIC UNITS INC	Pacific Bell

FINDINGS

ADJOINING PROPERTY DETAIL

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

BUSINESS CENTER DR

1639 BUSINESS CENTER DR

Year	Uses	Source
2006	COMTECTELINC	Haines Company

Business Center Dr

1715 Business Center Dr

Year	Uses	Source
2014	STUDIO LILICA	EDR Digital Archive
2010	BEST MACHINERY & ELECTRICAL	EDR Digital Archive
	STUDIO LILICA	EDR Digital Archive
	CHAMPION POWER EQUIPMENT	EDR Digital Archive
	WORLDWIDE KEYSURANCE LLC	EDR Digital Archive
	ELEGANT GARDENING DECORATION	EDR Digital Archive

BUSINESS CENTER DR

1715 BUSINESS CENTER DR

Year	Uses	Source
2006	ELEGANT	Haines Company
	GARDENING	Haines Company
	DECORATION	Haines Company
1999	XXXX	Haines Company

Business Center Dr

1725 Business Center Dr

Year	Uses	Source
2014	ROOSTER S PIT INC	EDR Digital Archive
2010	ROOSTER S PIT INC	EDR Digital Archive
	JINHOO INTERNATIONAL INC	EDR Digital Archive
	JT BROS INC	EDR Digital Archive

FINDINGS

BUSINESS CENTER DR

1725 BUSINESS CENTER DR

Year	Uses	Source
2006	INTERNATIONAL INC NUWAVE	Haines Company
	INTERNATIONAL INC	Haines Company
	JINHOO	Haines Company
1999	JAJATA INTERNATIONAL	Haines Company

Business Center Dr

1735 Business Center Dr

Year	Uses	Source
2014	QUALITY PRECISION CLEANING	EDR Digital Archive

BUSINESS CENTER DR

1735 BUSINESS CENTER DR

Year	Uses	Source
2006	S V i INTERNATL INC	Haines Company
1999	S V I INTERNATL INC	Haines Company
	X HIGHLAND AV	Haines Company

1803 BUSINESS CENTER DR

Year	Uses	Source
1980	BARKER METAL PRODUCTS BUSINESS CENTER DR DUARTE	Pacific Telephone

CENTRAL AVE

1657 CENTRAL AVE

Year	Uses	Source
1960	SWANSON HARRY A DUARTE	Pacific Telephone
1957	SWANSON HARRY A R	Pacific Telephone
1950	SWANSON HARRY A R	Pacific Telephone
	SWANSON HARRY A R	Pacific Telephone

1717 CENTRAL AVE

Year	Uses	Source
1960	LEE ASA C	Pacific Telephone
1957	LEE ASA C R	Pacific Telephone
1950	LEE ASA C R	Pacific Telephone

Year	Uses	Source
1950	LEE ASA C R	Pacific Telephone

1741 CENTRAL AVE

Year	Uses	Source
1966	HARDESTY GEO L	Pacific Telephone

DENNING AVE

1503 DENNING AVE

Year	Uses	Source
1960	BANKS ROY C	Pacific Telephone
1957	BANKS ROY C	Pacific Telephone

1509 DENNING AVE

Year	Uses	Source
1960	RODRIGUEZ PABLO T	Pacific Telephone
1957	FENTON HARRY M JR R	Pacific Telephone

1515 DENNING AVE

Year	Uses	Source
1960	BAKER ROSE M	Pacific Telephone
1957	BAKER ROSE M	Pacific Telephone

1518 DENNING AVE

Year	Uses	Source
1960	HOLLAND EDWIN	Pacific Telephone
1957	LOEFFEL PAUL	Pacific Telephone

1521 DENNING AVE

Year	Uses	Source
1960	ALLEN ROBT W	Pacific Telephone
1957	KNIGHT ROSCOE C MRS	Pacific Telephone
	ALLEN ROBT W	Pacific Telephone

1524 DENNING AVE

Year	Uses	Source
1960	LOEFFEL PAUL	Pacific Telephone

1527 DENNING AVE

Year	Uses	Source
1957	BRISCH WALTER F	Pacific Telephone

FINDINGS

1539 DENNING AVE

Year	Uses	Source
2006	BALLINL	Haines Company
1999	SERRANO Gaberial	Haines Company
1995	I Serrano Gabriel	Pacific Bell
1960	GONZALES PATRICIA	Pacific Telephone
1957	COXON BRUCE G	Pacific Telephone

1540 DENNING AVE

Year	Uses	Source
1957	BOULDEN JAS R	Pacific Telephone

1602 DENNING AVE

Year	Uses	Source
1975	HALL MICHAEL	Pacific Telephone

1603 DENNING AVE

Year	Uses	Source
2006	AVISO Oscar	Haines Company
1960	BOTHE BILL A	Pacific Telephone
1957	BOTHE BILL A	Pacific Telephone

1609 DENNING AVE

Year	Uses	Source
2006	o VILLALOBOS Marlin	Haines Company
1966	HARRIS LEE W	Pacific Telephone
1957	HARRIS LEE W	Pacific Telephone

Denning Ave

1615 Denning Ave

Year	Uses	Source
2014	RYEVAL COMPUTER SERVICES	EDR Digital Archive
	BAUL ELECTRIC	EDR Digital Archive
2010	RYEVAL COMPUTER SERVICES	EDR Digital Archive

DENNING AVE

1615 DENNING AVE

Year	Uses	Source
2006	PAJARILLAGA	Haines Company

Year	Uses	Source
2006	Angelito	Haines Company
1985	FOLSOM WESLEY	Pacific Bell
1980	CLAYS RANDY W DENNING AVE DUARTE	Pacific Telephone
1975	CLAYS RANDY W	Pacific Telephone

Evergreen St

1700 Evergreen St

Year	Uses	Source
2014	ARMSTRONG ENGINEERING INC	EDR Digital Archive
2010	ARMSTRONG ENGINEERING INC	EDR Digital Archive

EVERGREEN ST

1700 EVERGREEN ST

Year	Uses	Source
2006	ENGRG	Haines Company
	ARMSTRONG	Haines Company

Evergreen St

1710 Evergreen St

Year	Uses	Source
2014	PLAIN TRUTH MINISTRIES	EDR Digital Archive
2010	PLAIN TRUTH MINISTRIES	EDR Digital Archive

EVERGREEN ST

1710 EVERGREEN ST

Year	Uses	Source
2006	FIBRWRAP	Haines Company
	FILTRATION	Haines Company
	CONSTRUCTION INC ISLANDAIR	Haines Company

1720 EVERGREEN ST

Year	Uses	Source
2006	FORTUNE PACIFIC	Haines Company
	INTL CO	Haines Company

FINDINGS

1730 EVERGREEN ST

Year	Uses	Source
2006	AMERADHESIVES	Haines Company

1740 EVERGREEN ST

Year	Uses	Source
2006	SERVICE	Haines Company
	INCORPORATED	Haines Company
	BFCFORMS	Haines Company

1780 EVERGREEN ST

Year	Uses	Source
2006	DEPOTINC SUNBEST	Haines Company
	POWERADAPTER	Haines Company
	TRANSPACIFIC	Haines Company

1804 EVERGREEN ST

Year	Uses	Source
2006	TEAMTOO	Haines Company

FAIRDALE AVE

1502 FAIRDALE AVE

Year	Uses	Source
1960	JAMISON THEE W	Pacific Telephone
1957	JAMISON THEO W	Pacific Telephone

1508 FAIRDALE AVE

Year	Uses	Source
1960	FORD EDMUND L	Pacific Telephone
1957	FORD EDMUND L	Pacific Telephone

1514 FAIRDALE AVE

Year	Uses	Source
1960	HANNIGAN JAS J MRS	Pacific Telephone

1520 FAIRDALE AVE

Year	Uses	Source
1960	MARSHALL CLAIRE L	Pacific Telephone

FINDINGS

1526 FAIRDALE AVE

Year	Uses	Source
1960	HUGHES BURTON D	Pacific Telephone

1538 FAIRDALE AVE

Year	Uses	Source
1995	Baker Robert G	Pacific Bell
1985	BAKER ROBERT G	Pacific Bell
1980	DUARTETREE SERVICE FAIRDALE AVE DUARTE	Pacific Telephone
1975	DUARTETREE SERVICE	Pacific Telephone
1966	DUARTE TREE SERV	Pacific Telephone
	BOUCHER ROBT	Pacific Telephone
1960	TOPE ELIZABETH	Pacific Telephone
1957	TOPE ELIZABETH R	Pacific Telephone

1603 FAIRDALE AVE

Year	Uses	Source
1980	JOHNSON LORI FAIRDALE AVE DUARTE	Pacific Telephone
	JOHNSON BURT FAIRDALE AVE DUARTE	Pacific Telephone

1610 FAIRDALE AVE

Year	Uses	Source
1980	GONZALES AUGUSTINE FAIRDALE AVE DUARTE	Pacific Telephone

1611 FAIRDALE AVE

Year	Uses	Source
1980	HERKNER GARY R FAIRDALE AVE DUARTE	Pacific Telephone

1617 FAIRDALE AVE

Year	Uses	Source
1985	WEIR DANL	Pacific Bell
1980	WEIR DANL FAIRDALE AVE DUARTE	Pacific Telephone

1636 FAIRDALE AVE

Year	Uses	Source
1980	CHAIDEZ OCTAVIO FAIRDALE AVE DUARTE	Pacific Telephone

FINDINGS

1640 FAIRDALE AVE

Year	Uses	Source
1980	MARTINEZ PEDRO FAIRDALE AVE DUARTE	Pacific Telephone

GLENFORD AVE

1502 GLENFORD AVE

Year	Uses	Source
1960	KELLY ROBT E	Pacific Telephone
1957	KELLY ROBT E	Pacific Telephone

1503 GLENFORD AVE

Year	Uses	Source
1960	HOLLAND WM E	Pacific Telephone

1508 GLENFORD AVE

Year	Uses	Source
1960	CARMONA EUGENIO DUARTE	Pacific Telephone
1957	CARMONA EUGENIO	Pacific Telephone

1509 GLENFORD AVE

Year	Uses	Source
1957	SCHIPPER WM	Pacific Telephone

1514 GLENFORD AVE

Year	Uses	Source
1960	BARTKOWSKI EDWIN	Pacific Telephone

1515 GLENFORD AVE

Year	Uses	Source
1957	ANDERSON OMER H JR	Pacific Telephone

1520 GLENFORD AVE

Year	Uses	Source
1960	ROBISON STEVEN	Pacific Telephone

1527 GLENFORD AVE

Year	Uses	Source
1960	HOLMBERG R K	Pacific Telephone
1957	HOLMBERG R K R	Pacific Telephone
1950	HOLMBERG R K R DURATE	Pacific Telephone

FINDINGS

Year	Uses	Source
1950	HOLMBERG R K R DURATE	Pacific Telephone

1532 GLENFORD AVE

Year	Uses	Source
1960	CASKEY H T	Pacific Telephone
1957	CASKEY H T	Pacific Telephone

1533 GLENFORD AVE

Year	Uses	Source
1957	STEWART GLORIA	Pacific Telephone

1538 GLENFORD AVE

Year	Uses	Source
1960	MARVIN CHAS L	Pacific Telephone
1957	MARVIN CHAS L	Pacific Telephone

1539 GLENFORD AVE

Year	Uses	Source
1966	FRISBIE RAYMOND H	Pacific Telephone

1602 GLENFORD AVE

Year	Uses	Source
2006	TANGONAN Carolina	Haines Company
1999	XXXX	Haines Company
1966	SCHADT THELMA M	Pacific Telephone
1960	SCHADT THELMA M	Pacific Telephone
1957	SCHADT THELMA M	Pacific Telephone

Glenford Ave

1603 Glenford Ave

Year	Uses	Source
2014	PRECISION ELECTRICAL SYSTEMS	EDR Digital Archive
2010	PRECISION ELECTRICAL SYSTEMS	EDR Digital Archive

GLENFORD AVE

1603 GLENFORD AVE

Year	Uses	Source
2006	ANDRADEElena	Haines Company
1999	HARMS Ted	Haines Company

FINDINGS

Year	Uses	Source
1999	MEYER Debra J	Haines Company
	HARMS Lora	Haines Company
1995	S Harms Ted& Lora	Pacific Bell
1985	MEYER DEBRA	Pacific Bell
1980	MEYER DEBRA GLENFORD AVE DUARTE	Pacific Telephone
1966	URBAN JOHN J	Pacific Telephone
1960	URBAN JOHN J	Pacific Telephone
1957	URBAN JOHN J	Pacific Telephone

1608 GLENFORD AVE

Year	Uses	Source
2006	OSSORIOSantos	Haines Company
1999	OSSORIO Oscar	Haines Company
1966	WARD JOYCE	Pacific Telephone

1609 GLENFORD AVE

Year	Uses	Source
2006	JAMES Jacqueline	Haines Company
1999	XXXX	Haines Company
1995	Olmos Santos	Pacific Bell
	OLMOS SANTOS	Pacific Bell
1980	SUTTON JAS R GLENFORD AVE DUARTE	Pacific Telephone
1966	SUTTON JAS R	Pacific Telephone
1960	WILLIAMS LORENCE R	Pacific Telephone
1957	WILLIAMS LORENCE R	Pacific Telephone

1614 GLENFORD AVE

Year	Uses	Source
2006	a ROMERO Gilbert	Haines Company
1985	ROMERO GILBERT & PAM	Pacific Bell
1980	ROMERO GILBERT & PAM GLENFORD AVE DUARTE	Pacific Telephone
1975	WHITTIEREHALL PAULA	Pacific Telephone
1966	QUICK A J	Pacific Telephone
1960	QUICK A J	Pacific Telephone
1957	ACKERMAN E G	Pacific Telephone

FINDINGS

1615 GLENFORD AVE

Year	Uses	Source
2006	ALCARAZJuan	Haines Company
1985	CLAUDIO JUAN	Pacific Bell
1980	CLAUDIO JUAN GLENFORD AVE DUARTE	Pacific Telephone
1960	SHERMAN JACK T	Pacific Telephone
1957	SHERMAN JACK T	Pacific Telephone

HIGHLAND AVE

1504 HIGHLAND AVE

Year	Uses	Source
2006	COASTAL	Haines Company
	COMPOSITES ELEMENT SIX	Haines Company
1999	QUALATEL ENTERPRISES	Haines Company
1995	Quala Tel Enterprises	Pacific Bell
	QUALA-TEL ENTERPRISES	Pacific Bell
1985	SYCONEX CORP	Pacific Bell

1508 HIGHLAND AVE

Year	Uses	Source
1985	SOUTHERN CAL BUSINESS SYSTEMS	Pacific Bell
	OAKHILL PRESS	Pacific Bell

1512 HIGHLAND AVE

Year	Uses	Source
1999	CARPET MECHANIC THE	Haines Company
1985	EWIG INTERNATIONAL INC	Pacific Bell

1516 HIGHLAND AVE

Year	Uses	Source
2006	J T BROS CO	Haines Company
1999	JETCRAFT	Haines Company

1520 HIGHLAND AVE

Year	Uses	Source
2006	ANIDERSEN GOLF	Haines Company
1995	TPR MANUFACTURING INC	Pacific Bell
	TPR Manufacturing Inc	Pacific Bell
1985	CRYSTAL CRAFT	Pacific Bell

FINDINGS

1524 HIGHLAND AVE

Year	Uses	Source
2006	IMS	Haines Company
1999	SANITOR CORP	Haines Company

Highland Ave

1525 Highland Ave

Year	Uses	Source
2014	MUTINY CROSSFIT	EDR Digital Archive
	MENLO HARDWOOD FLOORS	EDR Digital Archive
2010	JOINFORD INTERNATIONAL LLC	EDR Digital Archive
	MENLO HARDWOOD FLOORS	EDR Digital Archive
	VMG WIRELESS INC	EDR Digital Archive

HIGHLAND AVE

1525 HIGHLAND AVE

Year	Uses	Source
2006	MARTIN INDUSTRIES	Haines Company
	GAOFENG COINC	Haines Company
1999	X BUSINESS CENTER DR	Haines Company
	SECURITY PRODUCTS INC	Haines Company
	X ELDER	Haines Company

1528 HIGHLAND AVE

Year	Uses	Source
2006	GRPRINTING	Haines Company
1995	ADVANCED TECHNICAL TRAINING INSTITUTE	Pacific Bell
	Advanced Technical Training Institute	Pacific Bell
	Advanced Business Systems Fax Line	Pacific Bell
	ADVANCED BUSINESS SYSTEMS FAX LINE	Pacific Bell
	Advanced Technologies Internatl	Pacific Bell
1985	SUPER SPEED EQUIPMENT CO	Pacific Bell
	SPHERE INDUSTRIES	Pacific Bell
	SOUP-9	Pacific Bell

1536 HIGHLAND AVE

Year	Uses	Source
1999	PHRASOR SCIENTIFIC	Haines Company

FINDINGS

Year	Uses	Source
1995	PHRASORSCIENTIFIC INC	Pacific Bell
1985	PHRASOR SCIENTIFIC INC	Pacific Bell

1540 HIGHLAND AVE

Year	Uses	Source
1999	VALLI & VALLI USA INC	Haines Company
1995	r Valli & Valli U S A Inc	Pacific Bell
	VALLI & VALLI U S A INC	Pacific Bell
1985	VALLI & COLOMBO U S A INC	Pacific Bell

1606 HIGHLAND AVE

Year	Uses	Source
1975	ROMERO ELENA	Pacific Telephone

1608 HIGHLAND AVE

Year	Uses	Source
1975	HAMMOND ROOFING CO	Pacific Telephone

1612 HIGHLAND AVE

Year	Uses	Source
1950	FORD WILLIS R	Pacific Telephone
	FORD WILLIS R	Pacific Telephone

1620 HIGHLAND AVE

Year	Uses	Source
1999	SWEET DREAMS	Haines Company
	SEA SWEET INC	Haines Company
	GREENLAND DISTRIBUTION	Haines Company

1706 HIGHLAND AVE

Year	Uses	Source
1960	BATTS PEARL	Pacific Telephone

1712 HIGHLAND AVE

Year	Uses	Source
1966	ROBERSON JOHN D	Pacific Telephone

1718 HIGHLAND AVE

Year	Uses	Source
2006	HOLMES BODY	Haines Company
	SHOPINC	Haines Company

FINDINGS

Year	Uses	Source
1999	HOLMES BODY SHOP INC	Haines Company
1995	GOLDEN STATE HYDRAULICS INC	Pacific Bell
1985	SMITH ENVIRONMENTAL	Pacific Bell
	SMITH ENGINEERING CO	Pacific Bell
1980	SMITH ENGINEERING CO HIGHLAND AVE DUARTE	Pacific Telephone

1720 HIGHLAND AVE

Year	Uses	Source
1975	CENDEJAS BEN	Pacific Telephone

1765 HIGHLAND AVE

Year	Uses	Source
1991	Dave Dave	Pacific Bell

1766 HIGHLAND AVE

Year	Uses	Source
1924	Betty Bolton Candy Inc Fredk J Smith sec	Los Angeles Directory Co.

1775 HIGHLAND AVE

Year	Uses	Source
1924	Scholl Frederic B organist h	Los Angeles Directory Co.
	School F B organist r	Los Angeles Directory Co.

1800 HIGHLAND AVE

Year	Uses	Source
1980	HTL INDUSTRIES INC AIRCRFT ACCESRS HIGHLAND AVE DUARTE	Pacific Telephone

1801 HIGHLAND AVE

Year	Uses	Source
2006	ELECTRONICS	Haines Company
	INC TR 11 STAR	Haines Company
	PEOPLE MOVERS	Haines Company
1999	UNITD SUNTECH CRAFT INC	Haines Company
	PEOPLE MOVERS INC	Haines Company
	GIBSON INC	Haines Company
	GIBSON INC	Haines Company
	FLOORSCAPES LTD CO 62 a	Haines Company
	AMER TAI TRADE	Haines Company
1995	People Movers Inc	Pacific Bell

FINDINGS

Year	Uses	Source
1995	Holmes Body Shop Inc	Pacific Bell
	a	Pacific Bell
	STK AUTO CENTER	Pacific Bell
	HOLMES BODY SHOP INC	Pacific Bell
	CAL LIQUID CORP PRODUCTION FACILITY	Pacific Bell
1985	PIONEER NORTH AMERICA INC DEVELOPMENT LABORATORY	Pacific Bell
	PIONEER ELECTRONICS TECHNOLOGY INC	Pacific Bell
1980	PIONEER ELECTRONICS TECHNOLOGY INC HIGHLAND AVE DUARTE	Pacific Telephone
1975	RONSON PACKAGING CORP	Pacific Telephone
1924	ELLIS Geo E painter hrear	Los Angeles Directory Co.
	MORRISON John W h	Los Angeles Directory Co.

1802 HIGHLAND AVE

Year	Uses	Source
1924	BURNS Wm C h	Los Angeles Directory Co.

1803 HIGHLAND AVE

Year	Uses	Source
1942	Tinsley La Vaughn	Los Angeles Directory Co.
1929	La Gasse Simeon Malvina real est	Los Angeles Directory Co.
	La Gasse Francis H	Los Angeles Directory Co.

1804 HIGHLAND AVE

Year	Uses	Source
1924	CAMPBELL Bert atty r	Los Angeles Directory Co.

1806 HIGHLAND AVE

Year	Uses	Source
1924	d Auray Jacques photo player h	Los Angeles Directory Co.

1807 HIGHLAND AVE

Year	Uses	Source
1924	WEST Roland V h	Los Angeles Directory Co.

1812 HIGHLAND AVE

Year	Uses	Source
1924	KELLY Verna M wid J W h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Werz Ella r	Los Angeles Directory Co.
	BERNSTEIN Isadore h	Los Angeles Directory Co.

1814 HIGHLAND AVE

Year	Uses	Source
1924	Afee H C h	Los Angeles Directory Co.

1816 HIGHLAND AVE

Year	Uses	Source
1924	Wroten Herman P acct U S Fidelity & Guaranty Co h	Los Angeles Directory Co.

1822 HIGHLAND AVE

Year	Uses	Source
1976	Montgomery Juanita	Pacific Telephone
1937	Peckham Roy slsmn	Los Angeles Directory Co.

1824 HIGHLAND AVE

Year	Uses	Source
1933	Evans Velma M mgr Grace Arms Apts	Los Angeles Directory Co.
1924	NEWCOMB Theo A slsmn h	Los Angeles Directory Co.
	MILLER Ruby B h	Los Angeles Directory Co.
	Mc DONNELL Edith slswmn r	Los Angeles Directory Co.
	Blystone Stanley mot pict dir h	Los Angeles Directory Co.
	Curtis Wm S h	Los Angeles Directory Co.
	De Lacy Robt L h	Los Angeles Directory Co.
	EVANS V M Miss h	Los Angeles Directory Co.
	Grace Arms Apartments	Los Angeles Directory Co.
	HENDERSON Edwin A slsmn Laswell & Grigsby h	Los Angeles Directory Co.
	KANE Margt M slswmn r	Los Angeles Directory Co.

1825 HIGHLAND AVE

Year	Uses	Source
1924	Mc INTOSH Julia A wid Wm r	Los Angeles Directory Co.
	Monsara Corrine r	Los Angeles Directory Co.
	r	Los Angeles Directory Co.
	Cosby Julia A r	Los Angeles Directory Co.
	DECKER J A waiter r	Los Angeles Directory Co.
	Gardener Institute of Flesh Reducing Mrs S C Cosby mgr	Los Angeles Directory Co.

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
1700 Business Center Drive	2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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
1502 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1502 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1503 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1503 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1504 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1508 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1508 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1508 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1509 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1509 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1512 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1514 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1514 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1515 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1515 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1516 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1518 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1520 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1520 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1520 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1521 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1524 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1524 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1525 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1525 Highland Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1526 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1527 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1527 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1528 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1532 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1533 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1536 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1538 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1538 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1539 DENNING AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1539 GLENFORD AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1540 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1540 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1602 DENNING AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1602 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1603 DENNING AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1603 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1603 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1603 Glenford Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1606 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1608 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1608 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1609 DENNING AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1609 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1610 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1611 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1612 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1614 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1615 DENNING AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1615 Denning Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1615 GLENFORD AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1617 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1620 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1636 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1639 BUSINESS CENTER DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1640 FAIRDALE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1657 CENTRAL AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1700 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1700 Evergreen St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1706 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 Evergreen St	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1712 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1715 BUSINESS CENTER DR	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1715 Business Center Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1717 CENTRAL AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1718 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1720 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 BUSINESS CENTER DR	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 Business Center Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1730 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 BUSINESS CENTER DR	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 Business Center Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1740 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1741 CENTRAL AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1765 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1766 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1775 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1780 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1800 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1801 HIGHLAND AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1802 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1803 BUSINESS CENTER DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1803 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 EVERGREEN ST	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1806 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1807 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1812 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1814 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1816 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1822 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1825 HIGHLAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.7
March 27, 2018

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search 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.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

1700 Business Center Drive
Duarte Phase I ESA
Duarte, CA 91010

RESEARCH SOURCE

Source 1:

LA Recorder
Los Angeles, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Woodward HRT Inc
Title received from:	GE Aviation Systems LLC
Deed Dated	12/22/2012
Deed Recorded:	12/28/2012
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Woodward HRT Inc
Parcel # / Property Identifier:	8528-011-020
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

This page is part of your document - DO NOT DISCARD

20122018522

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

12/28/12 AT 08:00AM

Pages:
0003

FEES:	52.00
TAXES:	NFPR
OTHER:	0.00
PAID:	NFPR

PCOR SURCHARGE $20.00

LEADSHEET

201212280220008

00007000716

004534169

SEQ:
15

DAR - Title Company (Hard Copy)

THIS FORM IS NOT TO BE DUPLICATED

E454443

101

RECORDER MEMO: This COPY is NOT an OFFICIAL RECORD.

2

CHICAGO TITLE

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL THIS DEED AND, UNLESS OTHERWISE SHOWN BELOW, MAIL TAX STATEMENT TO

Name Trisha L. Mowbray, Esq.
Street Address Jones Day
77 West Wacker Drive
City & State Zip Chicago, IL 60601

Title Order No 126084246 - A43 Escrow No —

12/28/2012
20122018522

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Grant Deed

THE UNDERSIGNED GRANTOR (S) DECLARE (S)

DOCUMENTARY TRANSFER TAX IS $ OFFRECORD STATEMENT (22)

unincorporated area X City of Duarte

Parcel No. 5828-011-020

☐ computed on full value of interest or property conveyed, or

☐ computed on full value less value of liens or encumbrances remaining at time of sale, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

GE Aviation Systems LLC, as successor-in-interest to Hydraulic Units, Inc.

hereby GRANT(S) to

Woodward HRT, Inc.

the following described real property in the city of Duarte

County of Los Angeles , state of California

1700 Business Center Drive, Duarte, CA 91010

TOGETHER with the appurtenances and all the estate and rights of Grantor in and to the Property, TO HAVE AND TO HOLD the Property herein granted unto Grantee, its successors and assigns, forever, and Grantor will forever WARRANT the title to the Property unto Grantee, Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through, or under Grantor but not otherwise, subject, however, to the covenants, easements and restrictions of record, if any, affecting the Property

GE Aviation Systems LLC, as successor-in-interest to Hydraulic Units, Inc.

Dated December , 2012

STATE OF CALIFORNIA OHIO
COUNTY OF HAMILTON

On DECEMBER 27, 2012 before me,
DANIEL JOHNSON HENDY
JAMERE JACKSON, CFO
(here insert name and title of the officer)

, notary public, personally appeared JAMERE JACKSON, CFO

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

Name: Jamere Jackson

Title: CFO

DANIEL JOHNSON HENDY
ATTORNEY AT LAW
Notary Public, State of Ohio
My Commission Has No Expiration
Section 147.03 R.C.

(This area for official notarial seal)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

Name | Street Address | City & State

15

RECORDER MEMO: This COPY is NOT an OFFICIAL RECORD.

Order No: 126084246 - A43

LEGAL DESCRIPTION

PARCEL 1:

PARCEL 1, IN THE CITY OF DUARTE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON A PARCEL MAP FILED IN BOOK 6 PAGE 1 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL 2:

AN EASEMENT FOR INGRESS AND EGRESS DESCRIBED AS FOLLOWS:

THAT PORTION OF PARCEL 2 OF PARCEL MAP, IN THE CITY OF DUARTE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS FILED IN BOOK 6 PAGE 1 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST WESTERLY NORTHWEST CORNER OF SAID LOT 2; THENCE EASTERLY AND NORTHERLY ALONG THE NORTHERLY BOUNDARY OF SAID LOT 2, NORTH 89° 42' 23" EAST 839.58 FEET AND NORTH 0° 06' 33" EAST 163.14 FEET TO THE MOST NORTHERLY NORTHWEST CORNER OF SAID BOUNDARY; THENCE NORTH 89° 32' 52" EAST ALONG THE MOST NORTHERLY LINE OF SAID LOT 2, TO ITS POINT OF INTERSECTION WITH A LINE THAT IS PARALLEL WITH AND 20.00 FEET EASTERLY MEASURED AT RIGHT ANGLES, TO THAT CERTAIN COURSE IN THE NORTHERLY BOUNDARY OF SAID LOT 2, BEARING NORTH 0° 06' 33" EAST 163.14 FEET; THENCE SOUTH 0° 06' 33" WEST ALONG SAID PARALLEL LINE TO ITS POINT OF INTERSECTION WITH A LINE THAT SAID PARALLEL WITH AND 20.00 FEET SOUTHERLY MEASURED AT RIGHT ANGLES, TO THAT CERTAIN COURSE IN THE NORTHERLY BOUNDARY OF SAID LOT 2, BEARING NORTH 89° 42' 23" EAST, 839.58 FEET; THENCE WESTERLY ALONG LAST SAID PARALLEL LINE SOUTH 89° 42' 23" WEST, TO ITS POINT OF INTERSECTION WITH THE WESTERLY LINE OF SAID LOT 2; THENCE NORTH 0° 06' 10" EAST ALONG SAID WESTERLY LINE TO THE POINT OF BEGINNING.

RECORDER MEMO: This COPY is NOT an OFFICIAL RECORD.

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.6
March 23, 2018

The EDR Property Tax Map Report

Environmental Data Resources Inc

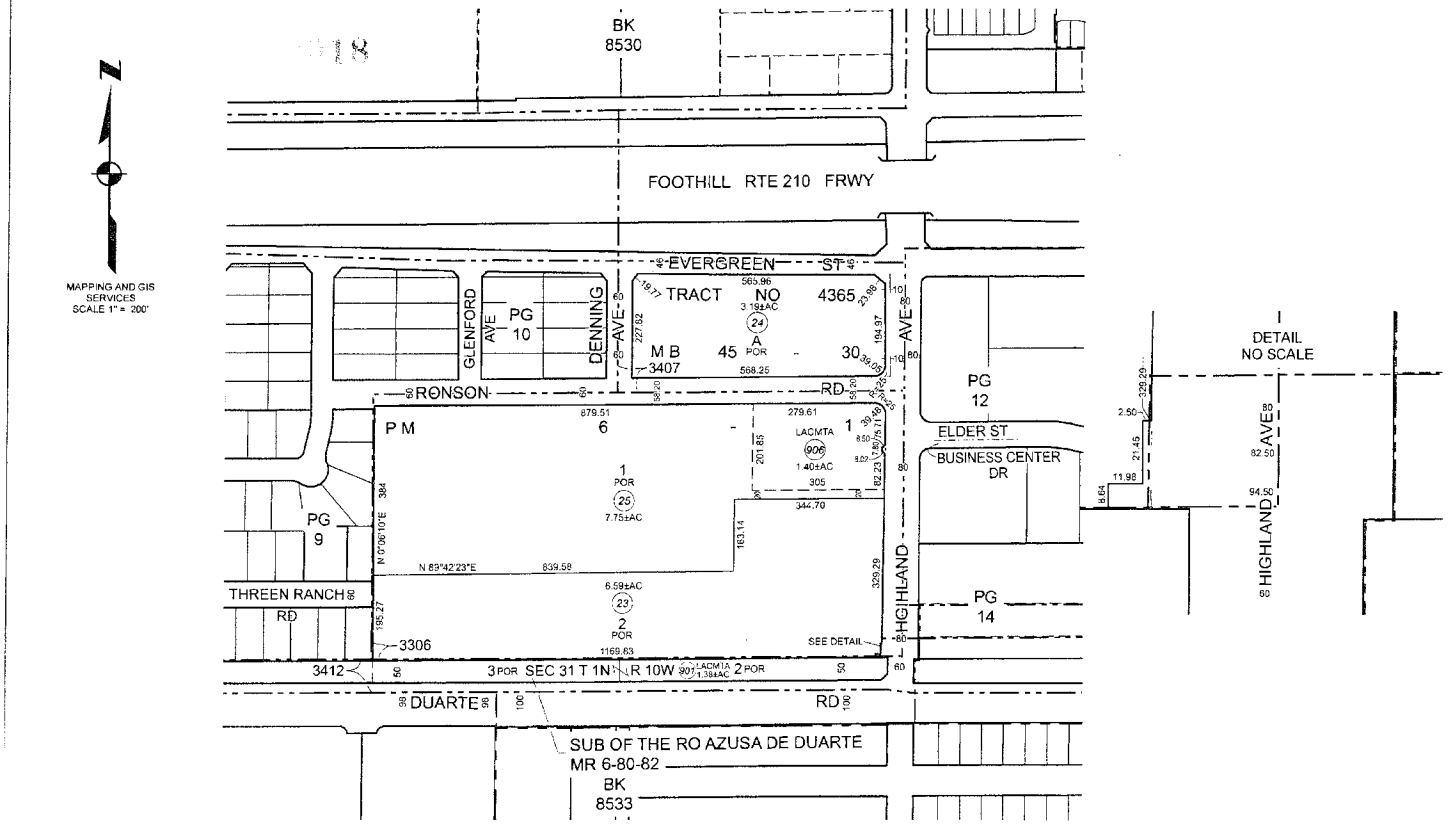
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

8528	11 SHEET	P. A. 8528-25	TRA 3412 3306 3407	REVISED: 790426001 800430	821014 930806090002004-27 20130827020004001-27	20131120020080001-27 20140806060004001-27 20160830120004001-27	2017031602-27 *20171004193-27*		SEARCH NO.		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002



Date Printed: 9/7/2017 7:24:11 AM
Date Saved: 9/7/2017 7:23:57 AM

Appendix C

Aerial Photographs



Duarte Phase I ESA

1700 Business Center Drive

Duarte, CA 91010

Inquiry Number: 5233268.12

March 26, 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

03/26/18

Site Name:

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010
EDR Inquiry # 5233268.12

Client Name:

Catalyst Environmental Solutions
315 Montana Ave Apt 311
Santa Monica, CA 90403
Contact: Justin Campbell

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:

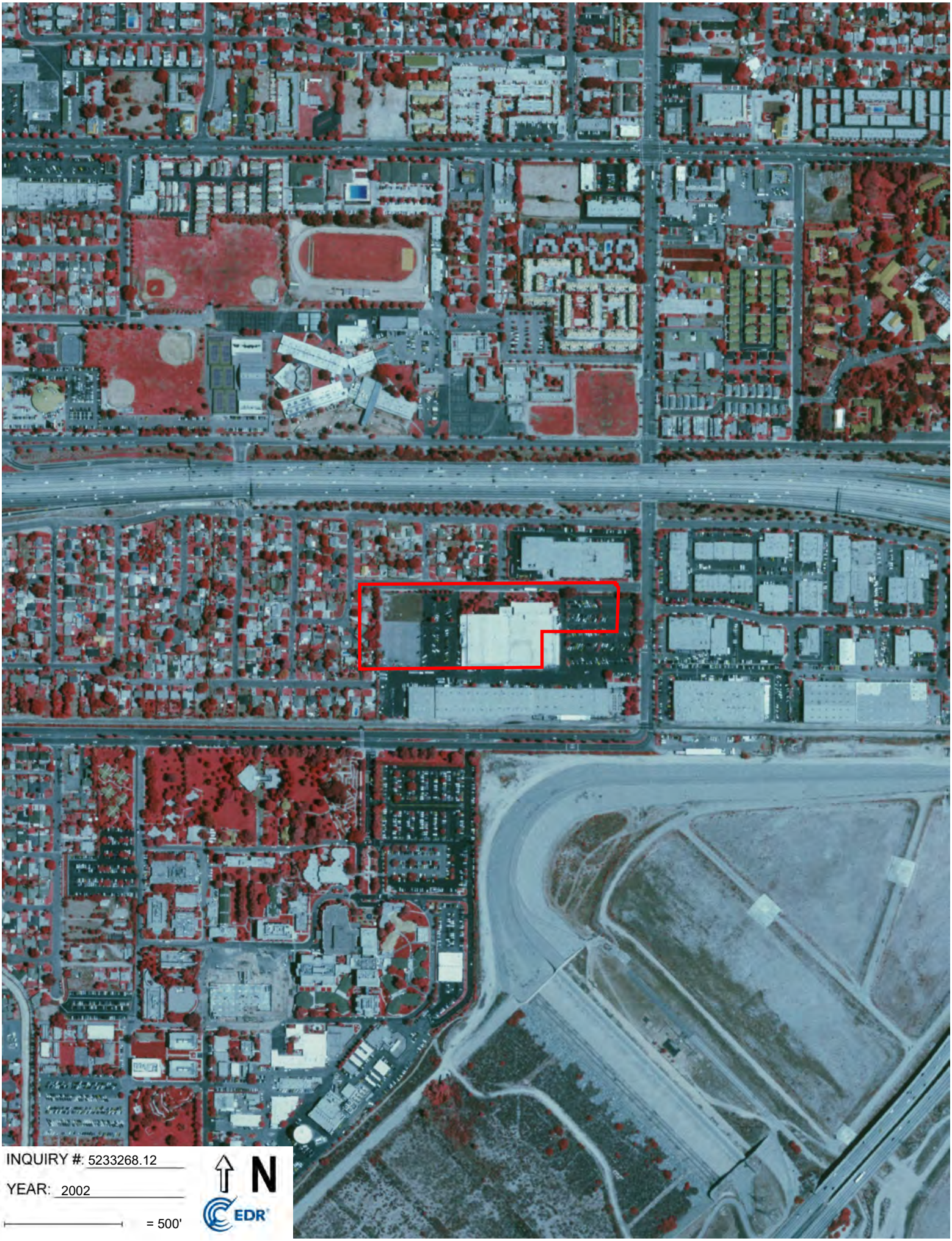
Year	Scale	Details	Source
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: May 22, 2002	USDA
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1987	1"=500'	Flight Date: July 25, 1987	USDA
1979	1"=500'	Flight Date: February 05, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: April 25, 1977	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: August 03, 1952	USGS
1938	1"=500'	Flight Date: May 06, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 5233268.12
YEAR: 2014
= 500'
N
EDR


INQUIRY #: 5233268.12
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 5233268.12
YEAR: 2005
= 500'
N
EDR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YEAR: 2002
= 500'
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EDR


INQUIRY #: 5233268.12
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 5233268.12
YEAR: 1990
= 500'
N
EDR

INQUIRY #: 5233268.12

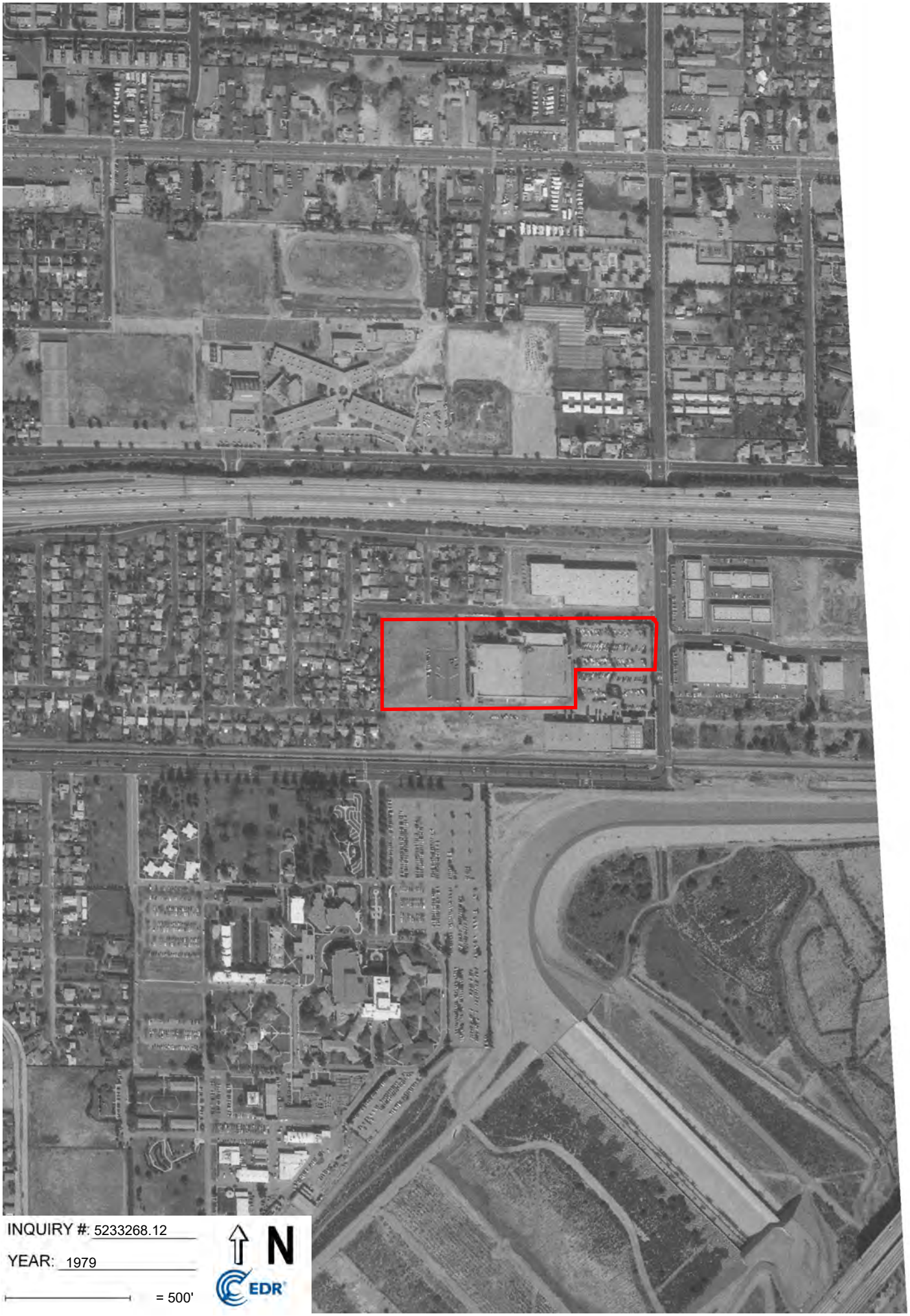
YEAR: 1987

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5233268.12

YEAR: 1979

= 500'

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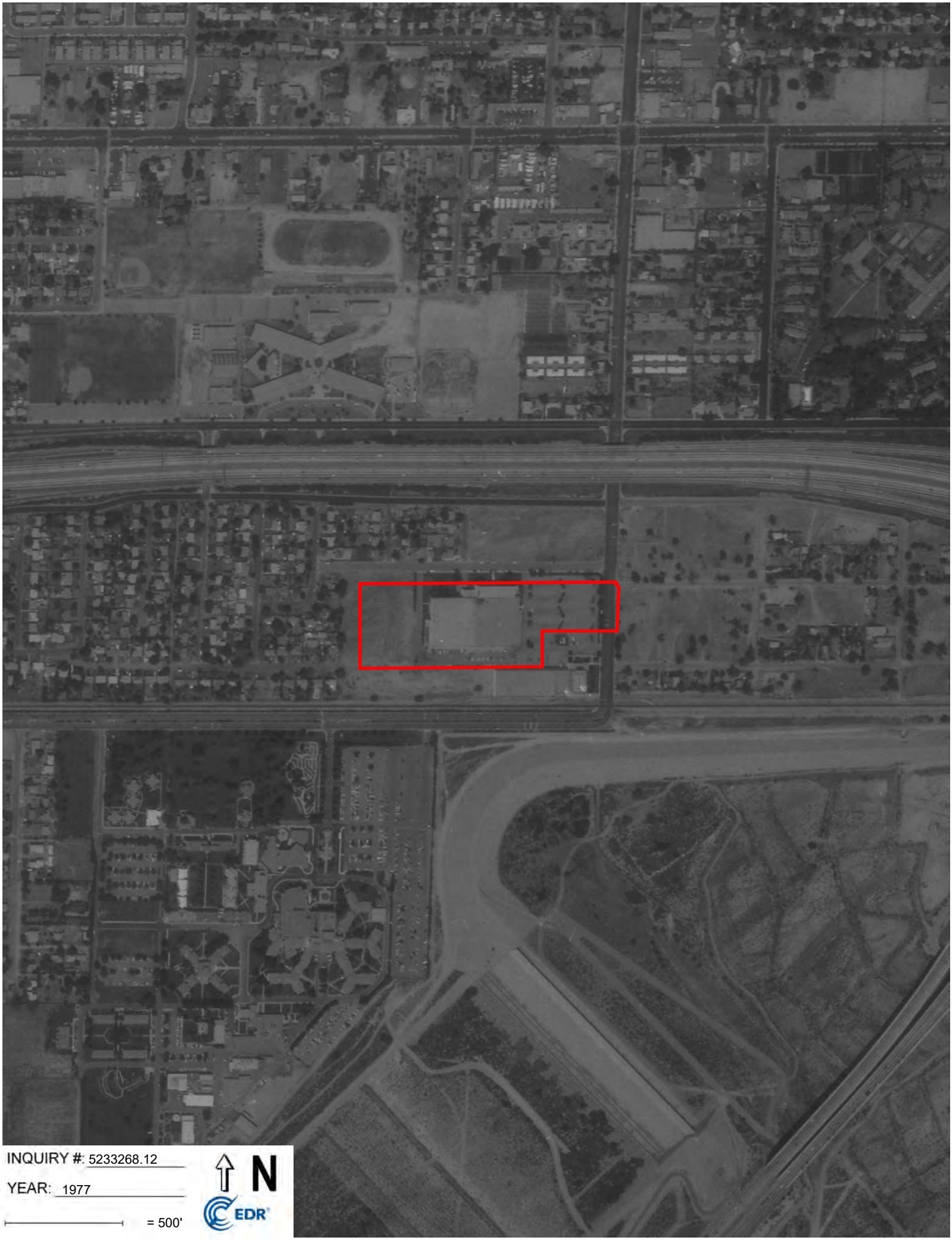
EDR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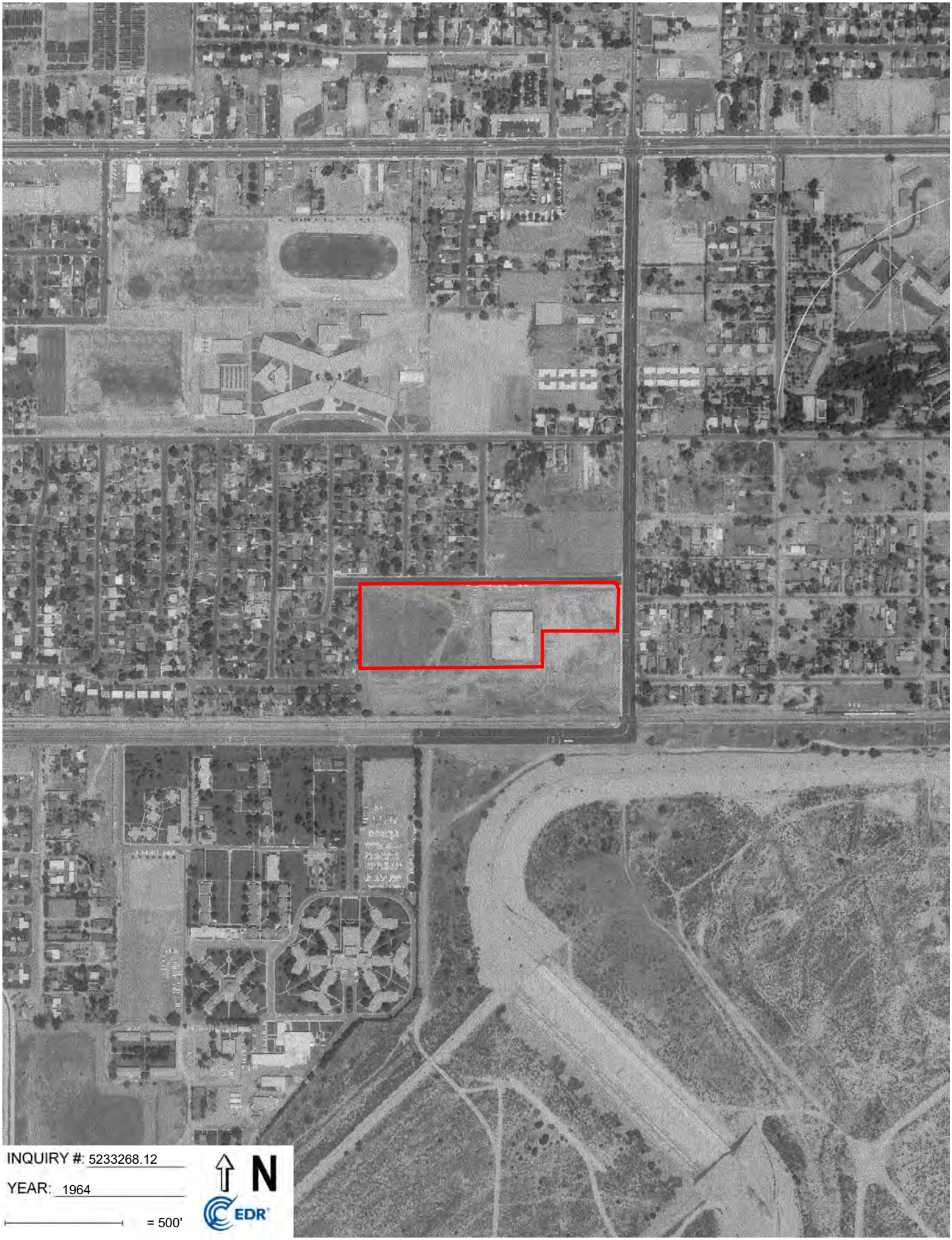
YEAR: 1977
= 500'
N
EDR


INQUIRY #: 5233268.12
YEAR: 1964
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EDR

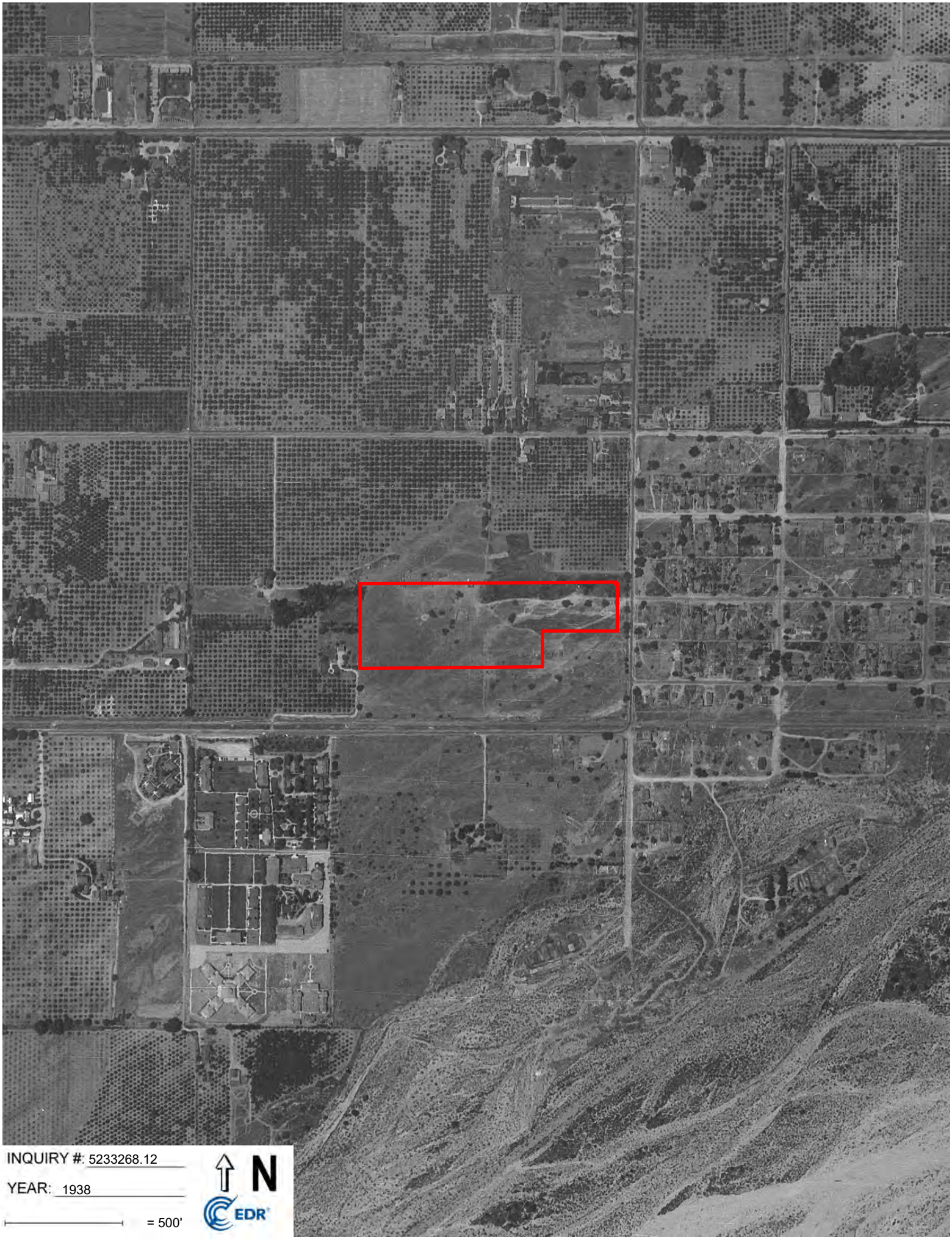
INQUIRY #: 5233268.12

YEAR: 1952

= 500'

N

EDR



INQUIRY #: 5233268.12

YEAR: 1938

= 500'

N

EDR

INQUIRY #: 5233268.12

YEAR: 1928

= 500'

N

EDR

Appendix D

Topographic Maps

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010

Inquiry Number: 5233268.4
March 23, 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

03/23/18

Site Name:

Duarte Phase I ESA
1700 Business Center Drive
Duarte, CA 91010
EDR Inquiry # 5233268.4

Client Name:

Catlayst Environmnetal Solutions
315 Montana Ave Apt 311
Santa Monica, CA 90403
Contact: Justin Campbell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Catlayst Environmnetal Solutions were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 440002
Project: Duarte Phase I ESA

Coordinates:

Latitude:	34.133681 34° 8' 1" North
Longitude:	-117.968927 -117° 58' 8" West
UTM Zone:	Zone 11 North
UTM X Meters:	410660.51
UTM Y Meters:	3777402.33
Elevation:	486.00' above sea level

Maps Provided:

2012	1925
1995	1904
1972	1898
1966	1897
1953	1894
1939	
1933	
1928	

Topo Sheet Key

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

2012 Source Sheets

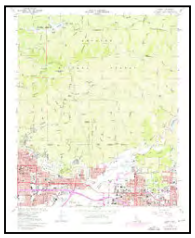
Azusa
2012
7.5-minute, 24000

Baldwin Park
2012
7.5-minute, 24000

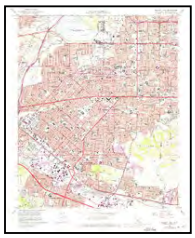
1995 Source Sheets

Azusa
1995
7.5-minute, 24000
Aerial Photo Revised 1994

1972 Source Sheets

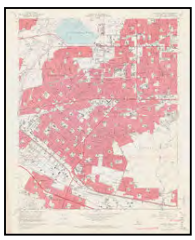


Azusa
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Baldwin Park
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1966 Source Sheets



Baldwin Park
1966
7.5-minute, 24000
Aerial Photo Revised 1964

Azusa
1966
7.5-minute, 24000
Aerial Photo Revised 1964

Topo Sheet Key

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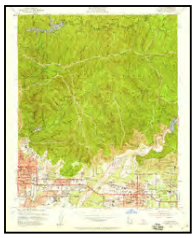
1953 Source Sheets

Baldwin Park
1953
7.5-minute, 24000
Aerial Photo Revised 1952

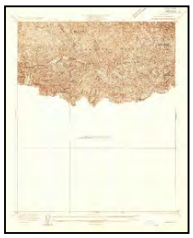


Azusa
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1939 Source Sheets

Azusa
1939
7.5-minute, 24000

1933 Source Sheets



Azusa
1933
7.5-minute, 24000

1928 Source Sheets

Azusa
1928
7.5-minute, 24000

Topo Sheet Key

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

1925 Source Sheets

Azusa
1925
7.5-minute, 24000

1904 Source Sheets

Pomona
1904
15-minute, 62500

1898 Source Sheets

Pomona
1898
15-minute, 62500

1897 Source Sheets

Pomona
1897
15-minute, 62500

Topo Sheet Key

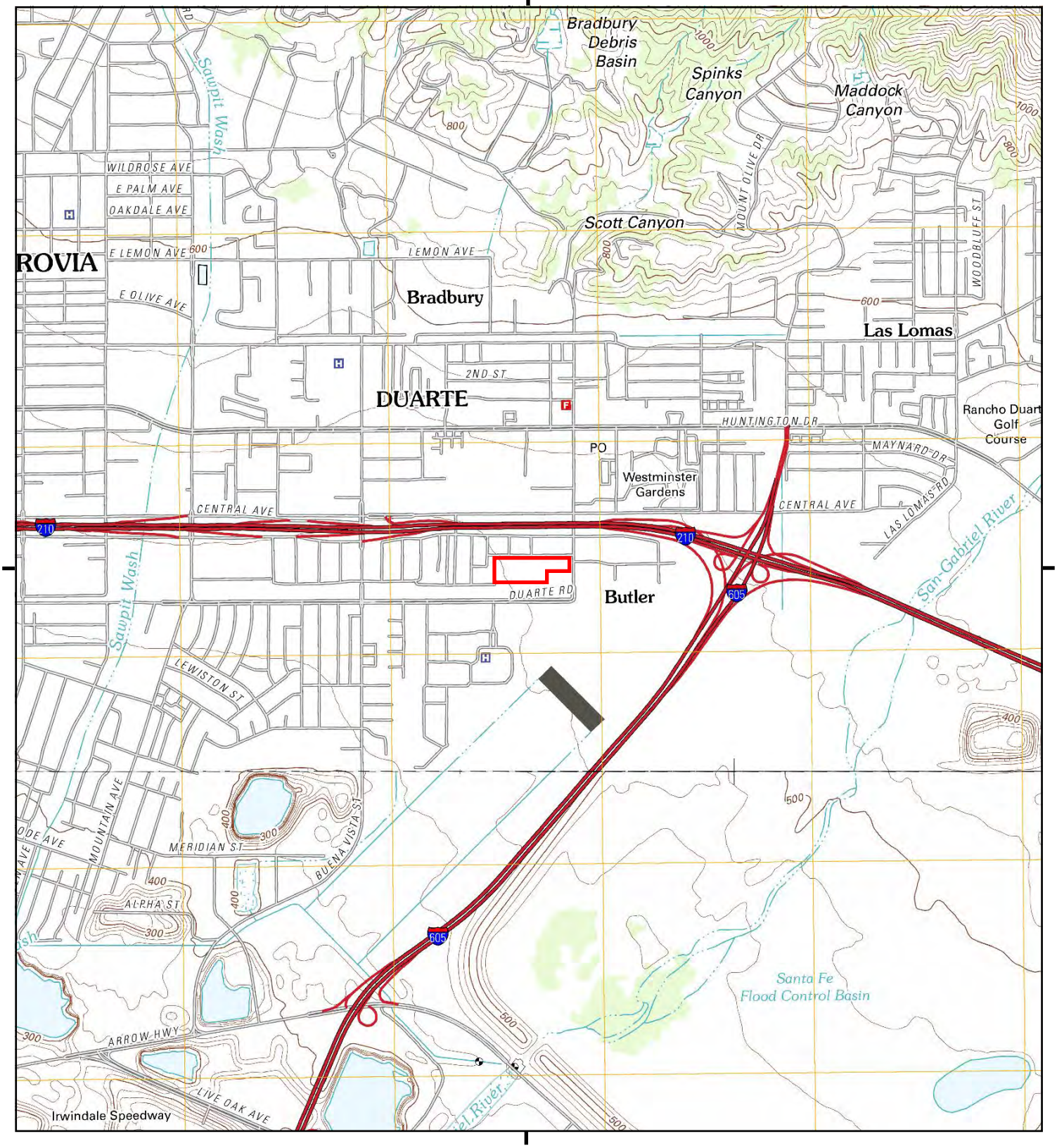
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets

Pomona
1894
15-minute, 62500

Historical Topo Map

2012



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

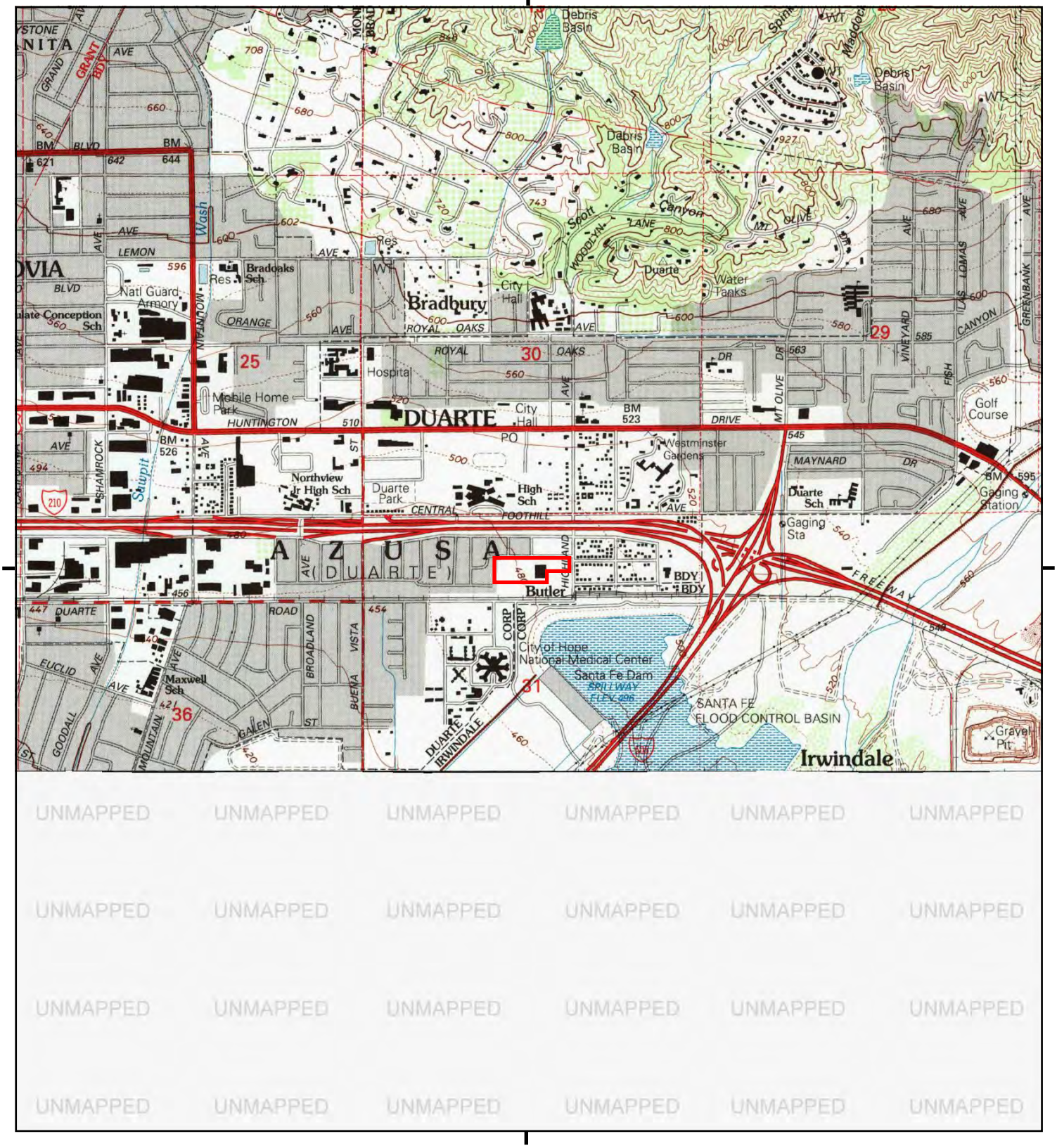
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Azusa, 2012, 7.5-minute
S, Baldwin Park, 2012, 7.5-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

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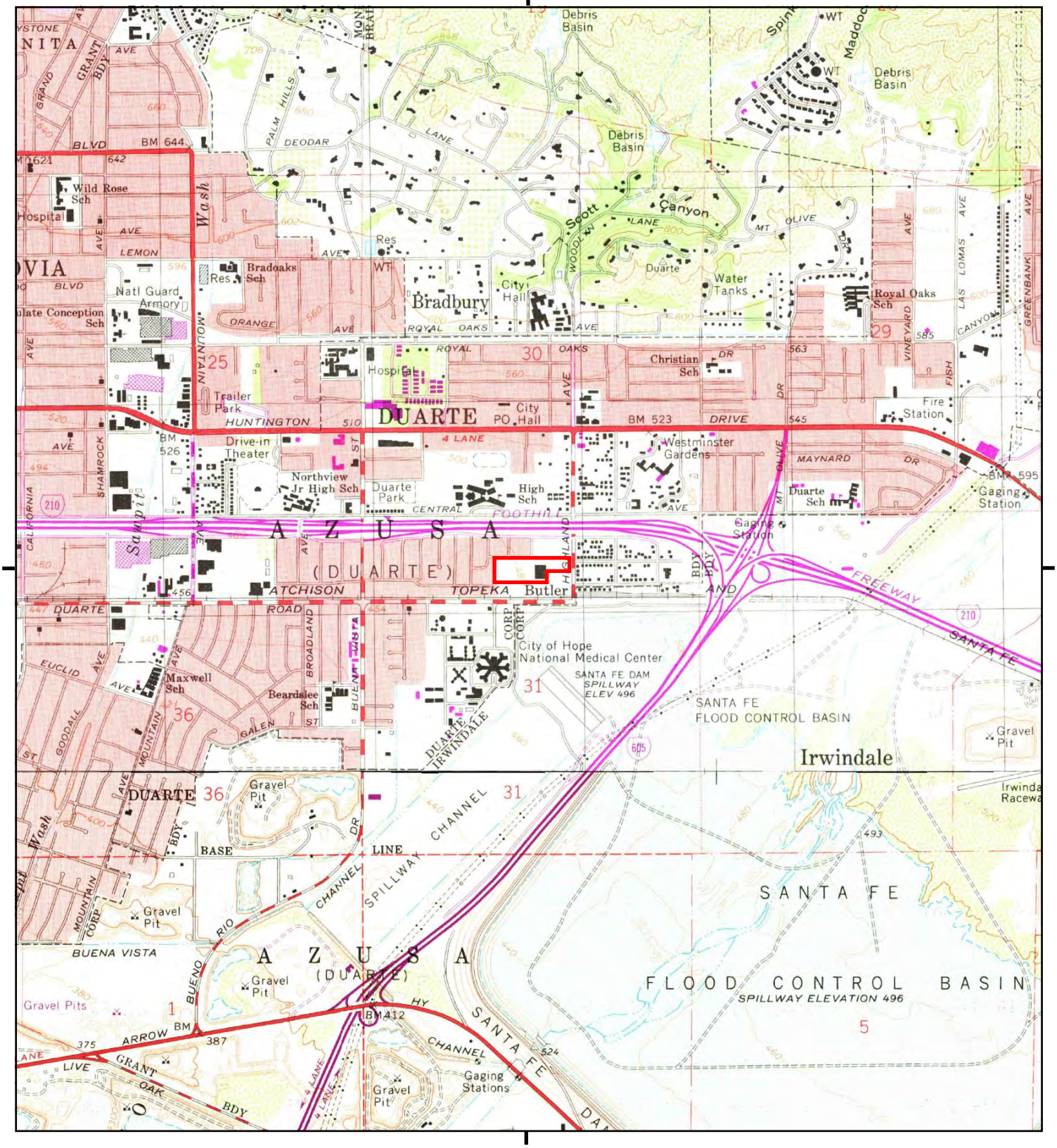
SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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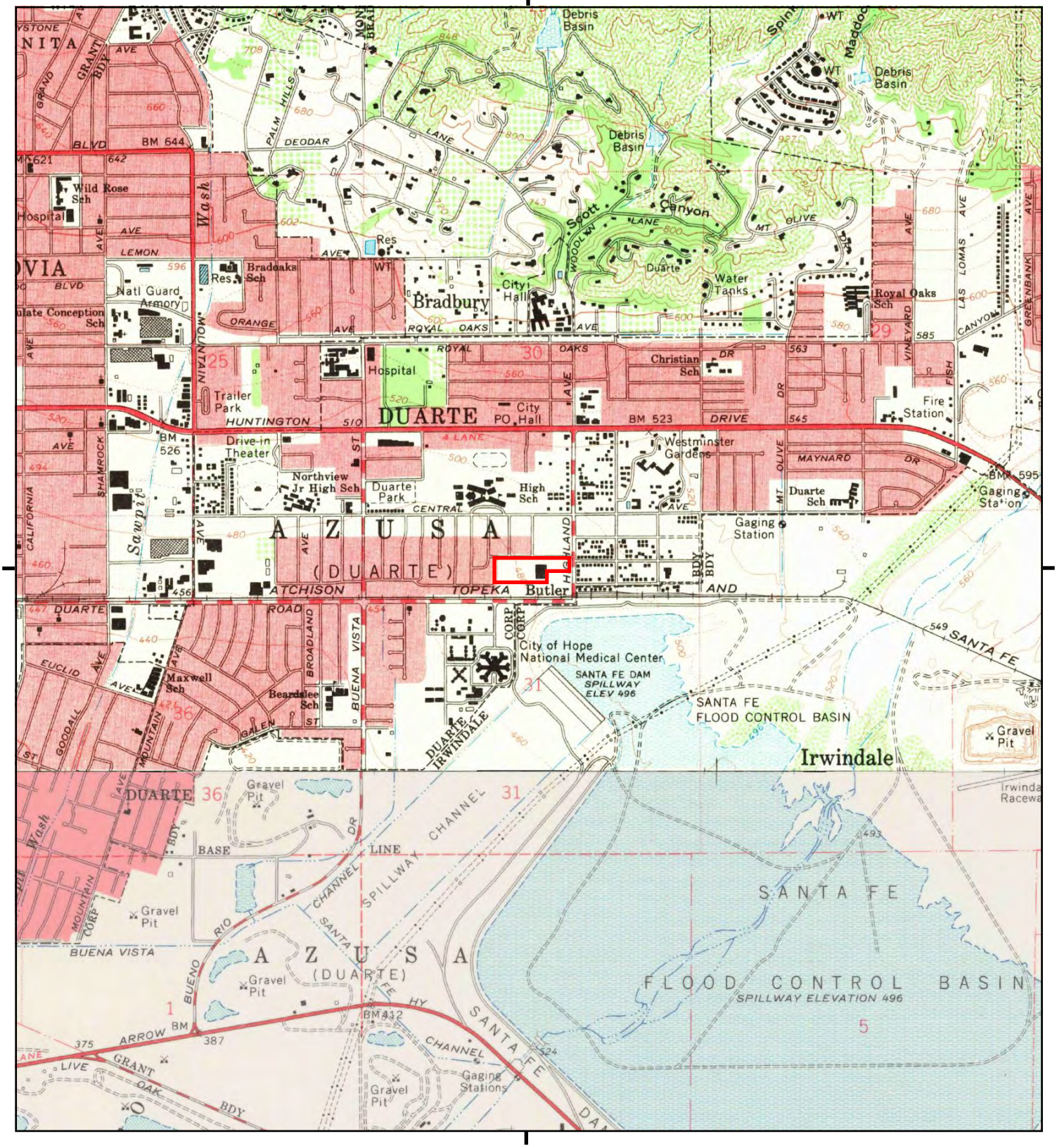
W E
SW S SE

TP, Azusa, 1972, 7.5-minute
S, Baldwin Park, 1972, 7.5-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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

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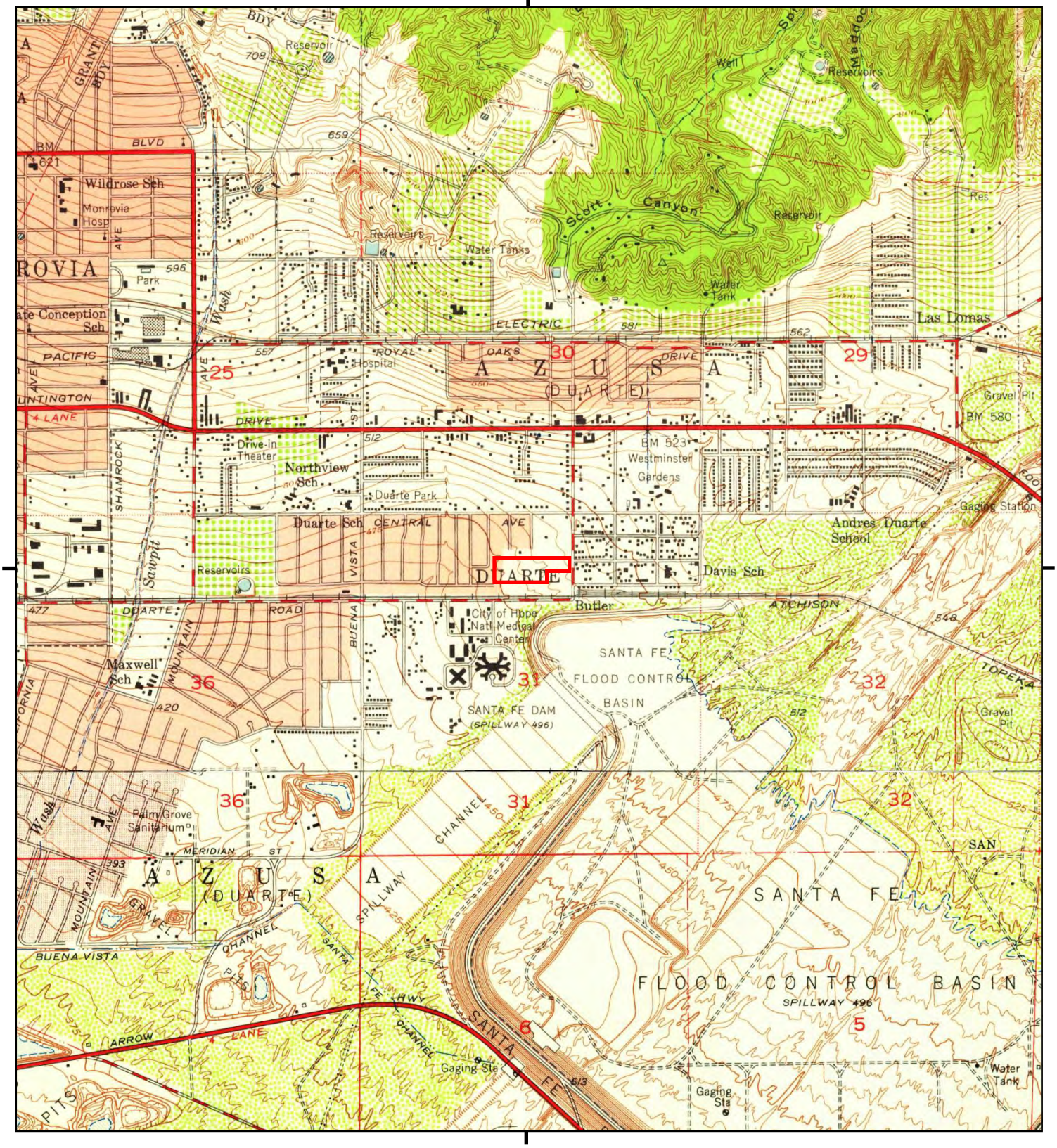
NW N NE
W E
SW S SE

TP, Azusa, 1966, 7.5-minute
S, Baldwin Park, 1966, 7.5-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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W E
SW S SE

TP, Azusa, 1953, 7.5-minute
S, Baldwin Park, 1953, 7.5-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

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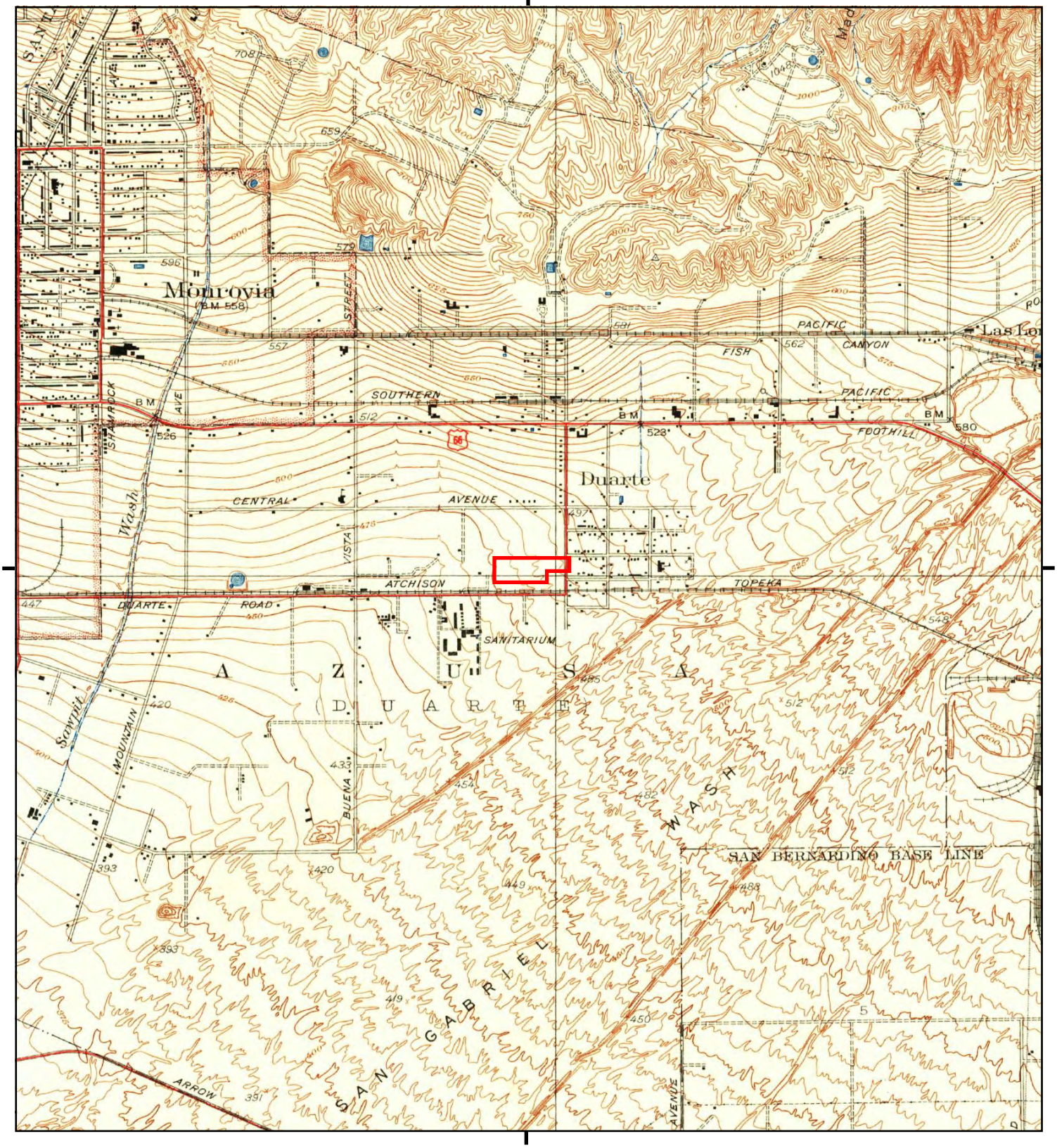

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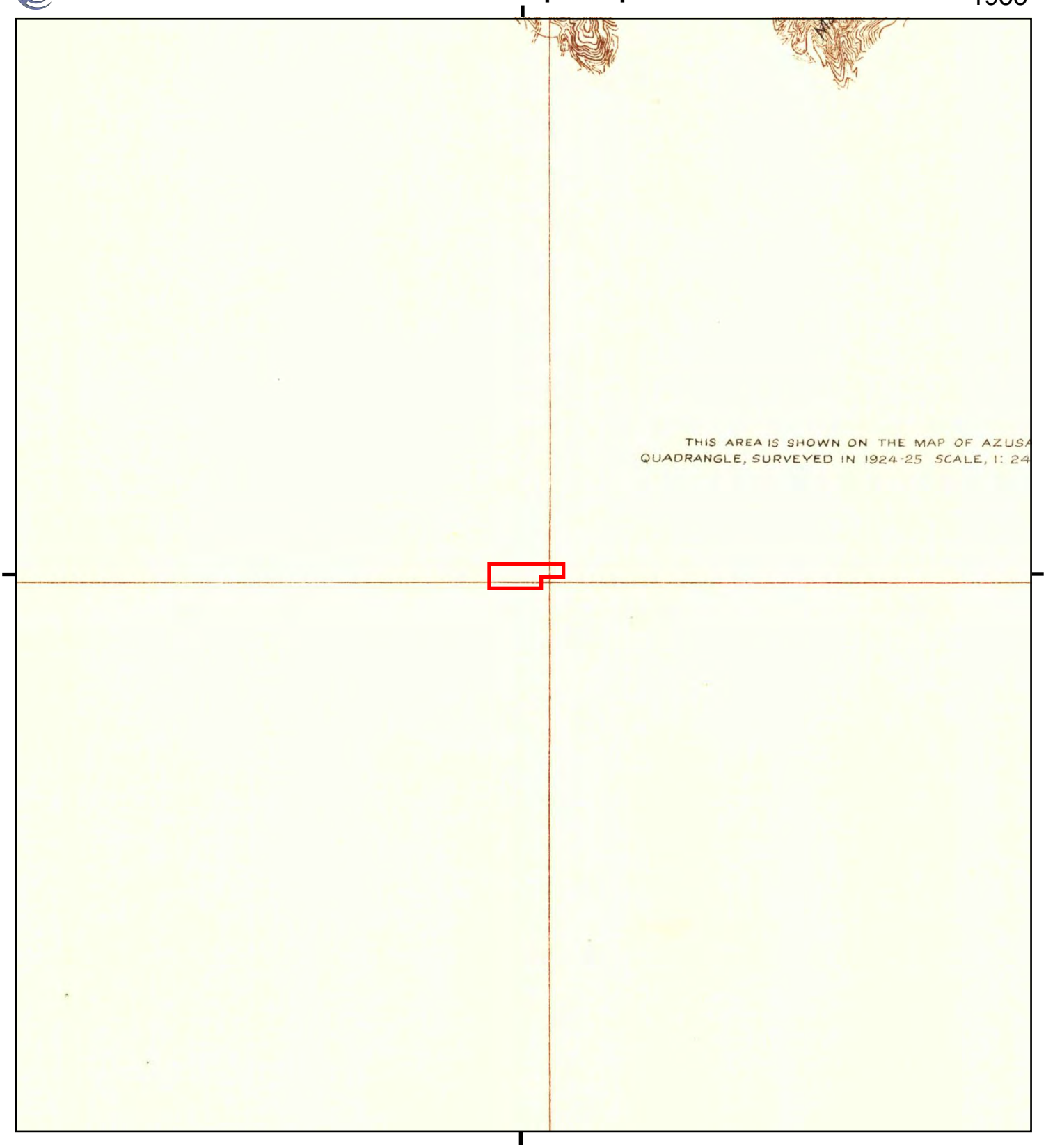
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Azusa, 1939, 7.5-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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NW N NE
W E
SW S SE

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ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

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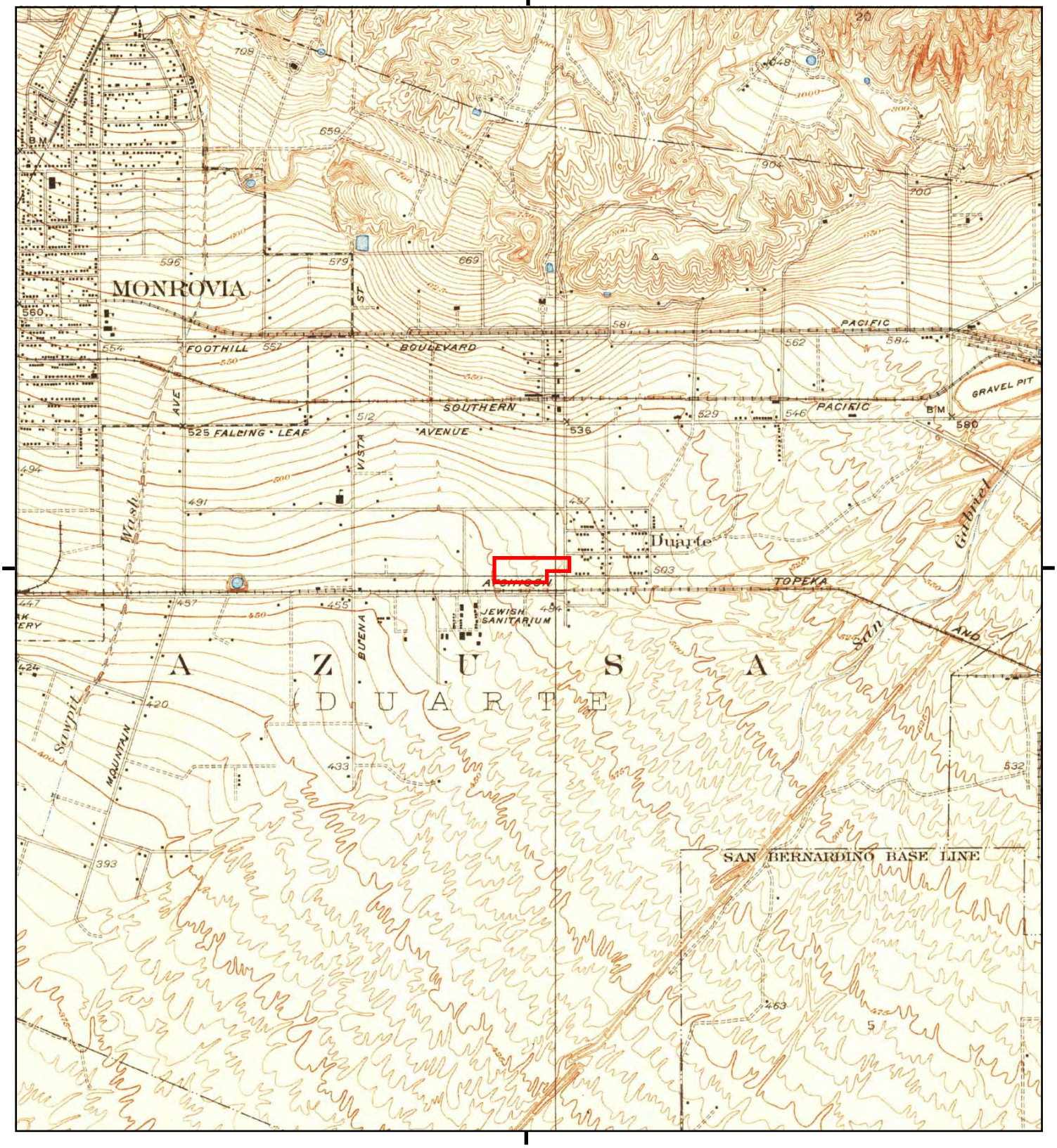

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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Azusa, 1928, 7.5-minute

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ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

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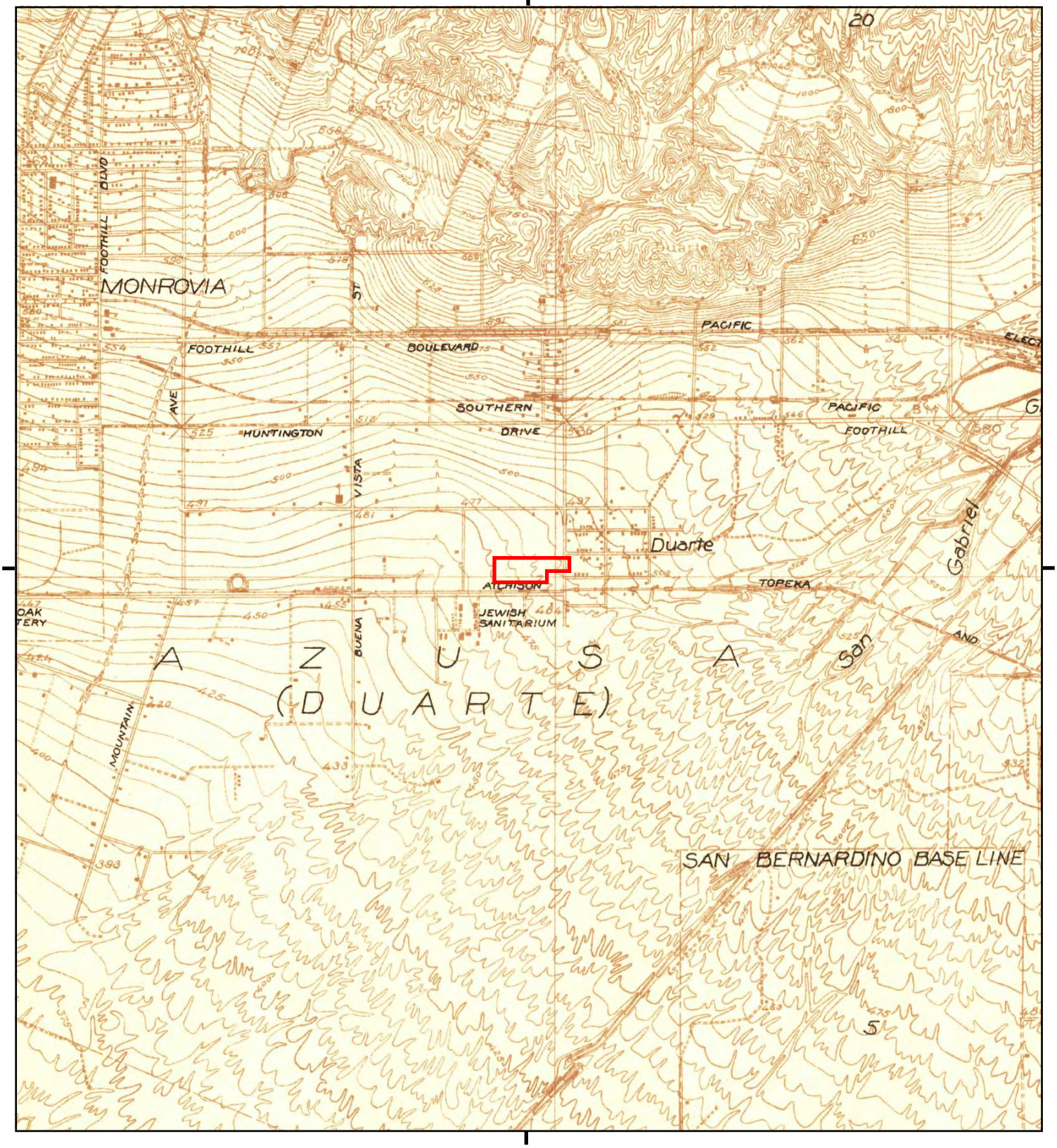

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W E
SW S SE

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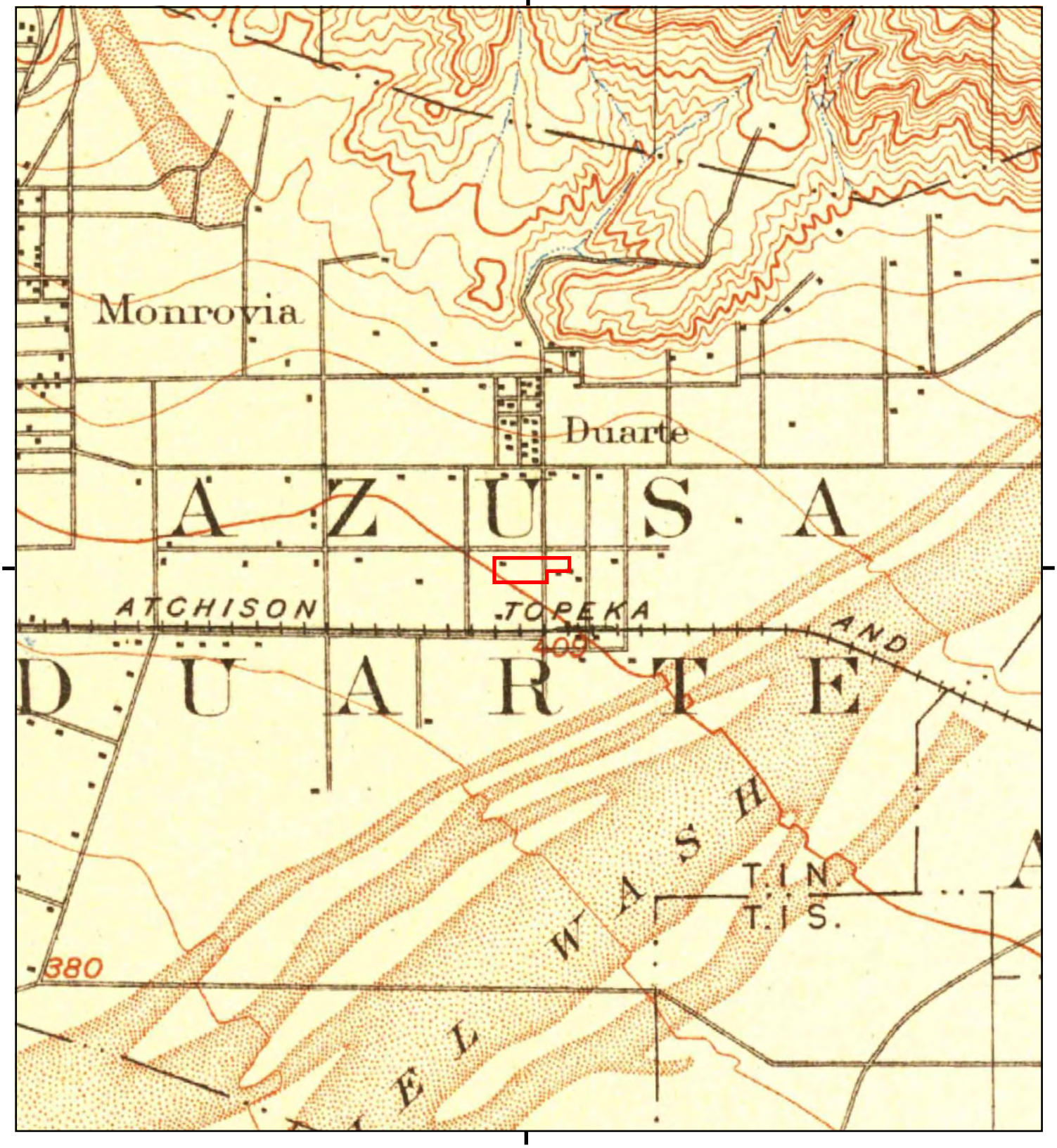
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pomona, 1904, 15-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

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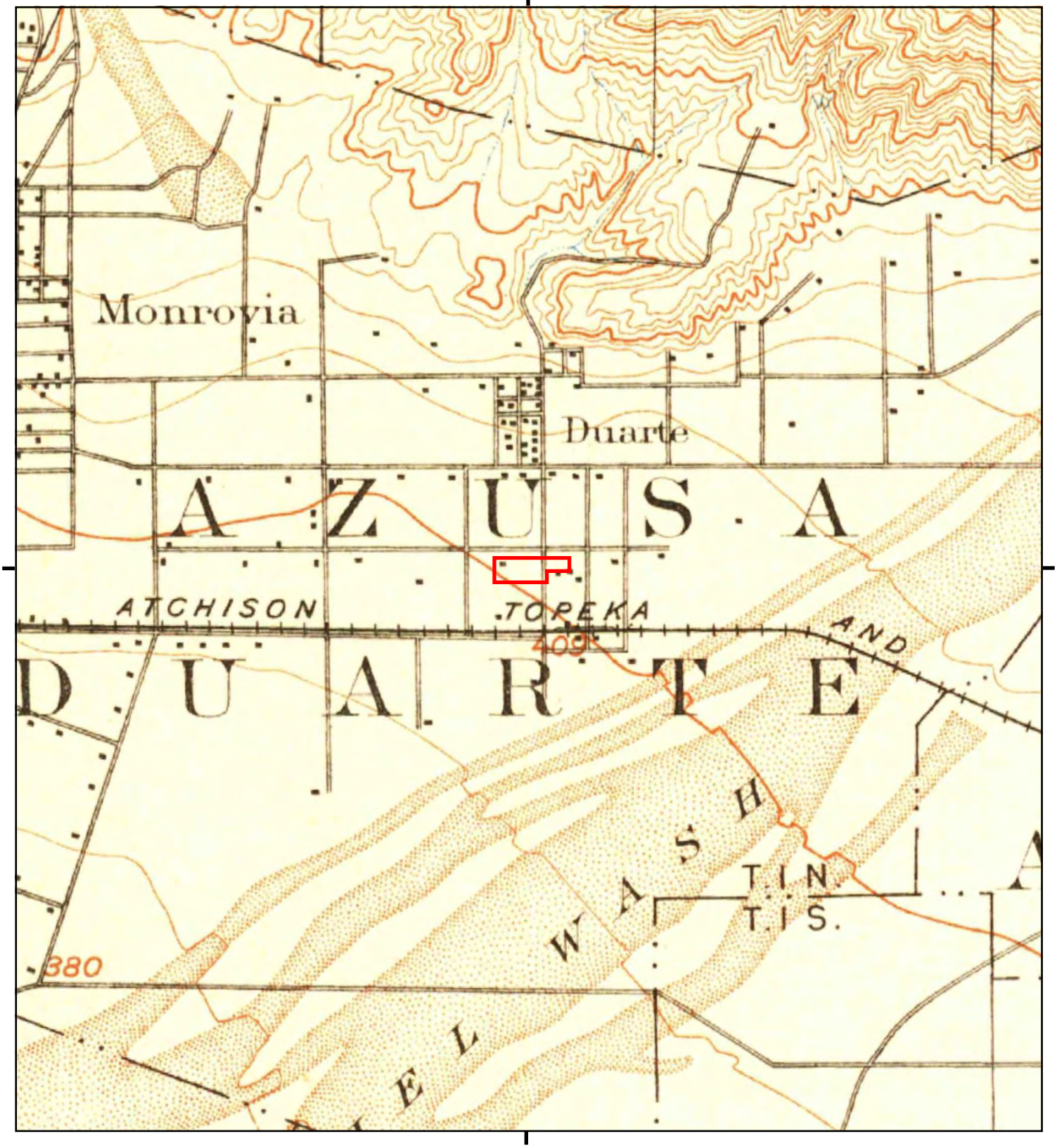

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W E
SW S SE

TP, Pomona, 1898, 15-minute

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ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

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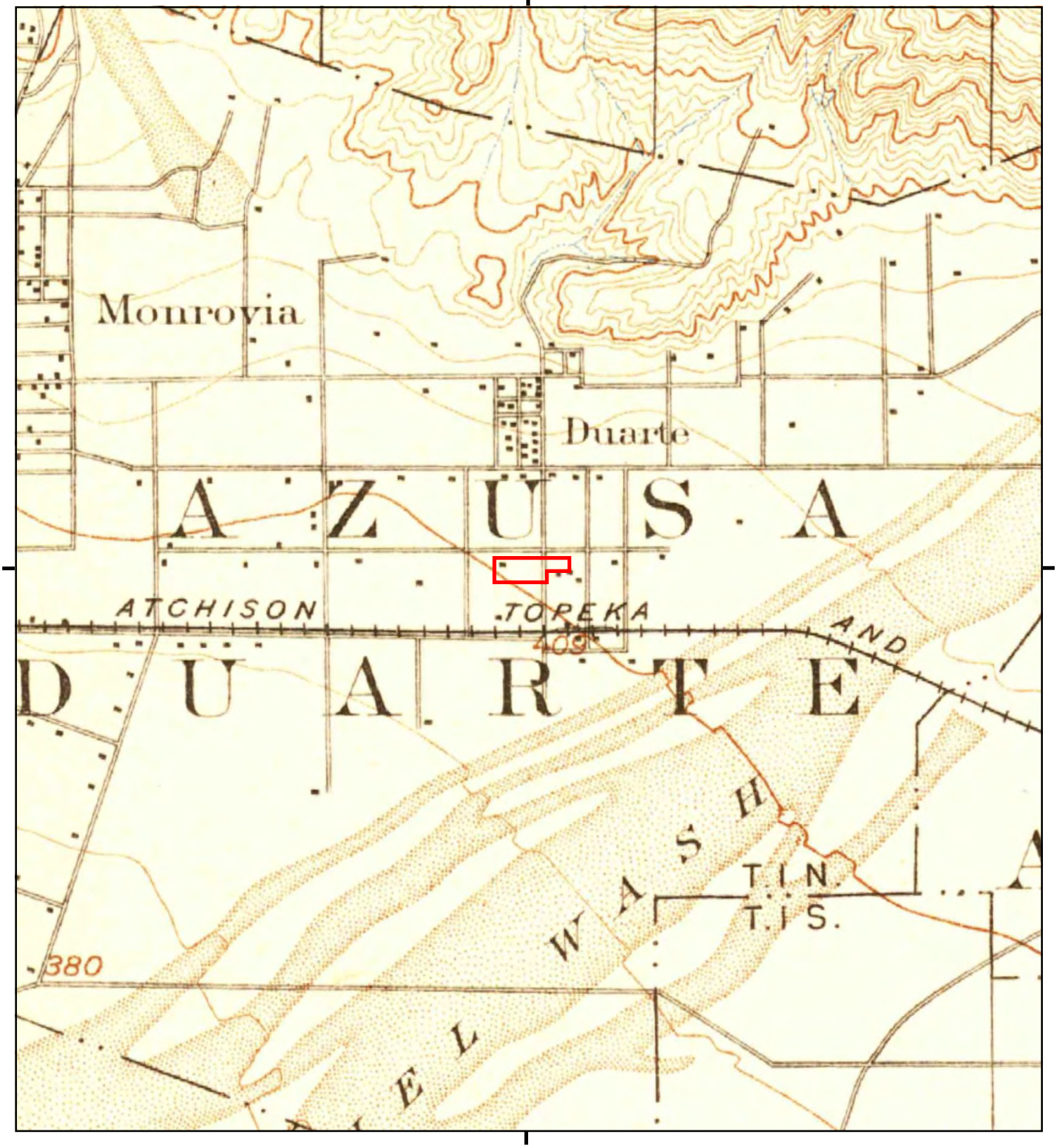

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W E
SW S SE

TP, Pomona, 1897, 15-minute

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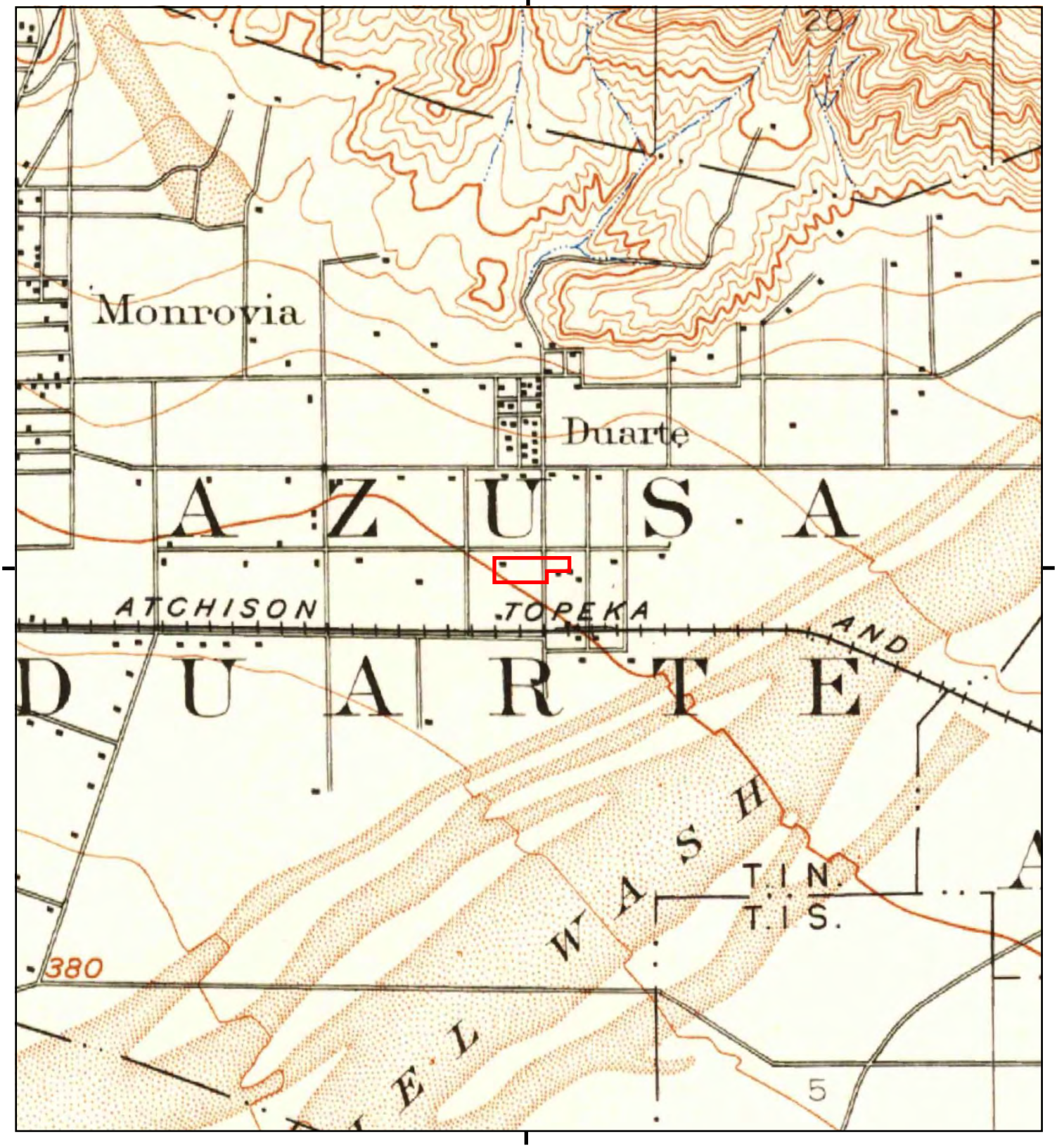
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N



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NW N NE
W E
SW S SE

TP, Pomona, 1894, 15-minute

SITE NAME: Duarte Phase I ESA
ADDRESS: 1700 Business Center Drive
Duarte, CA 91010
CLIENT: Catlayst Environmnetal Solutions

N

Appendix E

Personnel Interviews

Phase 1 ESA Interview Questions and Responses from Site Visit on April 5, 2018 and follow-up email correspondence on April 17, 2018.

The responses provided below are synthesized from John Bragg (Director of Operations), Sal Gutierrez (Facilities Manager), Daniel Saldana (Environmental Health and Safety Specialist), and Aromake Afiegbe (Director, Global Environmental Health and Safety).

1. Is the property currently used for an industrial purpose?

Yes, the facility at 1700 Business Center Drive, Duarte CA currently produces equipment used in the aerospace industry.

2. Did you observe evidence, or do you have any prior knowledge that the property has been used for a different industrial use in the past?

The property has been used for similar operations dating back to the 1970s or 1980s when Ronson owned the property.

3. Does the property have a gasoline or diesel tank (above or below grade), motor repair/maintenance facility, oil water separator or sump, junkyard or landfill, waste incineration area, or as a waste treatment, storage, disposal, processing or recycling facility?

Of the list above, the property contains only a sump and waste storage area.

Has it been used for any of these purposes in the past?

No.

4. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gallons (19L) in volume or >50 gallons (190L) in the aggregate, stored on or used at the facility?

Of the list above, the property contains chemicals in individual containers of greater than 5-gallons and greater than 50-gallons stored and used at the facility.

Have these materials been present at the facility in the past?

Yes.

5. Are there currently or have there ever been any industrial drums (55 gallons) or sacks of chemicals located at the facility?

Yes, the facility currently (and in the past) stores 55-gallon industrial drums of new and used oils (three varieties – two grades of Skydrol and red synthetic oil) as well as Duraclean.

Is the material classified as a hazardous waste?

The various varieties of waste oil are listed as hazardous.

6. Has there ever been fill dirt brought onto property that originated from a contaminated site or unknown location?

No. When the Metro Gold Line was being constructed to the east of the facility, fill may have been brought in then; however, when this work was done, the property on which the Gold Line was constructed was no longer owned by Woodward.

7. Are there currently or have there ever been any pits, ponds or lagoons located on the property in connection with facility operations or waste treatment and disposal?

No pits, ponds, or lagoons are located on the property. There is a stormwater swale that was constructed in the western parking lot around 2015.

8. Is there currently or has there ever been any stained soil on the property?

Yes, a Phase II ESA was completed near the East Dock of the facility (the eastern wall of the property). Only borings known are prior to the purchase of the location around 2012. No other borings since then.

9. Is there now, or has there ever been any registered or unregistered underground or above ground storage tanks on the property?

No underground tanks are present or were present in the past at the property. There are two compressed air tanks on the property, and there are two 1,000 gallon used oil aboveground storage tanks on the property (used to hold used oil until a vendor takes it off site). Additionally, a water chiller is situated on the top of building.

10. Are there now, or have there ever been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

No underground oil piping is present or was present in the past at the property.

11. Are there any underground sumps, overflow tanks, or pressure relief tanks used at the facility?

Yes, one sump near the East Dock.

What is their condition?

The sump seems to be in working order, but a comprehensive visual assessment is limited due to the presence of liquid within the sump.

12. Is there or has there ever been evidence of leaks, spills or staining by substances other than water, or foul odors associated with any flooring, drains, walls, ceilings or exposed grounds on the property?

Small spills occur throughout the facility. Minor leaks have occurred around numerous pieces of equipment in the Machine Room. Staining is present in the concrete assembly bay trenches, oil accumulation is present on the floor near the sump on the east dock, and oil accumulation and metal chips are present near the waste storage and pick-up area on the West Dock.

13. What is the source of water at the site? (Public wells, private wells, public/non-public water system?)

Public water system. “American Water” Public Water.

If the facility is served by a non-public water system or private well, do you have any knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?

Not applicable.

14. Do you have any knowledge of past or current environmental liens, violations or governmental notification relating to past or recurrent violations of environmental laws with respect to the property and facility located on the property?

Nothing recurrent. (John Bragg, Doug Salter)- Not to our knowledge.

15. What knowledge do you have regarding the current or historical existence of hazardous substances or petroleum products at the facility on the property?

Current hazardous substance use is consistent with historical usage. Used Skydrol and synthetic oil is hazardous and is stored on-site until an authorized vendor removes it. (Danny Saldana)- Included in Data packet being compiled and uploaded in response to online query.

16. Do you have any knowledge of any environmental site assessments of the facility that indicated the presence of hazardous substances, petroleum products, or contamination on the property?

No. (Aromake Afiegbe, Danny Saldana)- Included in Data packet being compiled and uploaded in response to online query.

17. Do you have any knowledge of any environmental site assessments of the facility that recommended further site assessment?

Uploaded to online query.

18. Do you have any knowledge of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

No.

19. Does the property/facility discharge waste water (not including sanitary waste or storm water) onto or adjacent to the property or into a storm water system or sanitary sewer system?

No, the facility does not discharge waste water, and there is no industrial waste water permit for the facility. Only stormwater is discharged from the facility.

20. Do you have any knowledge that any hazardous substance or petroleum products, unidentified waste material, tires, automotive or industrial batteries or any other waste materials have been dumped above grade, buried and/or burned on the property?

No.

21. Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?

Three transformers exist on the southeast corner of the facility; however, no PCB testing has been done.

22. Are pesticides or herbicides used for weed abatement or other uses on the property?

No.

23. Has there been any testing or remediation for lead paint or asbestos?

No.

24. What testing, and at what frequency, are pipelines and tanks tested?

(Sal)- Standalone Wastewater Storage tank from floor scrubber is serviced by "Clean Harbors" annually. 500gal Oil metal tank visually checked on a bi-weekly schedule when oil is being replenished. Secondary containment provided for oil tank. No formal PM schedule for this tank.

25. What repair actions have been taken for pipelines and tanks?

(Sal) – No repairs.

Appendix F

Former UST Information

008970-000686 3R

HYDRAULIC UNITS INC

1700 E BUSINESS CENTER DR

DUARTE 91010

Tank File

PROVISIONAL
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
WASTE MANAGEMENT DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
213-744-3223

PERMIT NO. 4218
EXPIRATION DATE OCT 12 1987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

000496-3R <<<<<<<< FILE NUMBER
HYDRAULIC UNITS INC <<<<<<<< PERMITTEE
2-711 E BUSINESS CENTER DR
DUARTE CA 91010

TE 2170 E BUSINESS CENTER DR <<<<<<<< FACILITY ADDRESS

TO STORE HAZARDOUS MATERIALS IN UNDERGROUND TANK(S) LOCATED AT THE FACILITY ABOVE.

NUMBER OF PERMITTED TANKS: 10

THIS PROVISIONAL PERMIT IS SUBJECT TO THE FOLLOWING REQUIREMENTS:

PART A — GENERAL CONDITIONS AND LIMITATIONS (ATTACHED).

PART B — AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS (ATTACHED).

PART C — SPECIFIC CONDITIONS AND LIMITATIONS:

1. THE PERMITTEE SHALL SUBMIT FOR APPROVAL AND IMPLEMENT A LEAK DETECTION PROGRAM (LDP) AND A TANK MONITORING PROGRAM (TMP) PREPARED IN ACCORDANCE WITH "UNDERGROUND STORAGE OF HAZARDOUS MATERIALS - GUIDELINES FOR EXISTING FACILITIES, OCTOBER 1986."

2. THE FOLLOWING TIME SCHEDULE SHALL APPLY TO SUBMITTALS REQUIRED BY THIS PROVISIONAL PERMIT:

   a. PERMIT FEE DUE BY (SEE INVOICE) To be billed

   b. TANK INTEGRITY TEST RESULTS DUE BY JUL 10 1987

   c. PROPOSALS FOR LDP AND TMP DUE BY JUL 10 1987

3. PERMIT EFFECTIVE DATE 5/18/84
   NOTE: THE EFFECTIVE DATE IS DETERMINED BY ORIGINAL DATE OF PERMIT APPLICATION.

PART D — SPECIAL CONDITIONS AND LIMITATIONS ATTACHED. YES [ ] NO [X]

This Provisional Permit is valid only for the continued operation of tanks providing suitable storage and expires six (6) months from the date of issue. Permittee has until the expiration date to complete an approved LDP and to install and be in compliance with an approved TMP. Upon full compliance with the approved LDP and TMP and all other conditions and limitations, this Provisional Permit will be replaced by a full term Operational Permit for the remainder of the unexpired five (5) year term from the effective date unless otherwise noted in Part D above.

T. A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

BY _____ APR 10 1987
WASTE MANAGEMENT DIVISION

PP801 10/86

PART B — TANK DATA
HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 4218

AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
1UL	4,000	Unleaded
2RG	4,000	Regular
3WO	1,000	Waste Oil
4DF	10,000	Diesel
5WO	550	Waste Oil
6DF	3,000	Diesel
8DF	1,000	Diesel
9DF	1,000	Diesel
10LO	5,000	Lube Oil
11WO	1,000	Waste Oil

VOIDED PROJECTS

FN 0 0 0 6 8 6 PN 0 0 0 0 4 2 1 8 R/C 3R

Voided Project ✓ VP Date 12/7/87

Date Computer Updated 2/23/08 By: JFH

Facility: Hydraulic Units Inc

Owner

Address ____ C/D ____ Street 1700 E Business Center Dr

Comments Tanks Closed

Project Finalized By: W. Lee

Verified By:

Copies: I-File, VP File, Field

waste mgt

HYDRAULIC UNITS, INC.
A SUBSIDIARY OF THE BOEING COMPANY
1700 BUSINESS CENTER DR. • DUARTE, CA 91010
(213) 359-9211

RECEIVED 810.05
APR 28 1987
DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION

April 24, 1987

Send Inspector to Investigate

Hazardous Materials Undergrond Storage
Department of Public Works
Waste Management Division
2250 Alcazar Street
Los Angeles, CA 90033

Dear Mr. Sjoberg:

This letter will serve as confirmation of our earlier telephone conversation. Hydraulic Units, Inc., located at 1700 Business Center Drive, Duarte, has no underground storage tanks on this property.

If you require additional information, please let me know.

Sincerely,

Dale Rippey

Dale Rippey
Manager, Facilities

County of Los Angeles
DEPARTMENT OF COUNTY ENGINEER-FACILITIES
SANITATION DIVISION

UNDERGROUND TANKS

PERMIT NO. 009558

To C. SJOBERG

Date 12-13-95

Firm Name HYDRAULIC UNITS, INCORP

File No. I-6816-3R

Location 17200 BUSINESS CENTER DR IRVINE

T.G.

Contact Name MR. RIPPEY (FACILITY MANAGER)

Title (818) 359-9211

Contractor AMERICAN ENVIR. MANAGMENT CORP

Phone No. (714) 826-9040

☐ Installed ____ Tank(s)

☑ Removed 2 Tank(s)

Tank(s) Capacity (1) 2,000 gal/cap

(1) 4,000 gal/cap

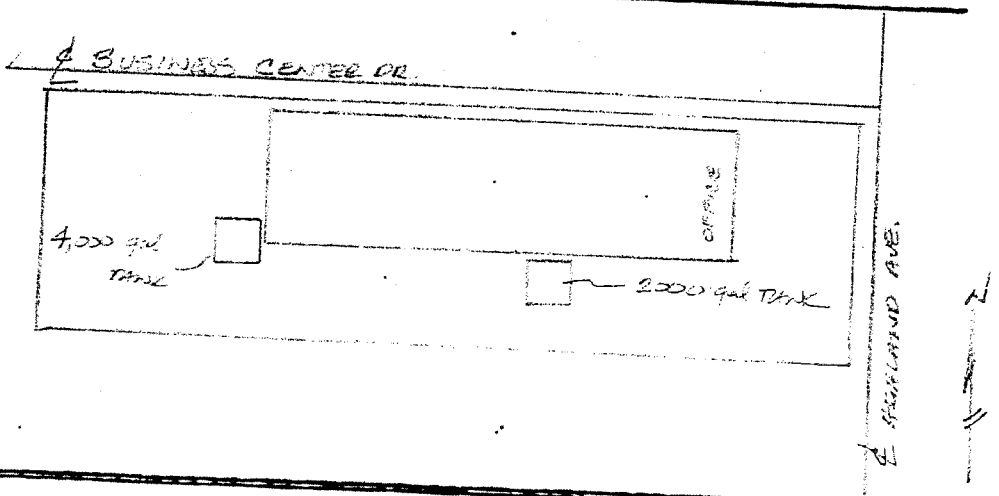
Tank Usage:

- ✓ Oil (WASTE)
- ____ Gasoline
- ____ Diesel
- ____ Chemical
- ____ I.W.
- ____ Other

Monitoring System:

- ✓ Single Wall
- ____ Secondary Containment
- ____ Monitoring Wells
- ____ Other

SKETCH:



Inspector ANDREW J

Date Inspected 12-12/13-95

✓ Tank(s) in Compliance

____ Unauthorized Discharged

____ Notice Issued

PERMIT APPLICATION
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
SANITATION DIVISION
550 SOUTH VERMONT LOS ANGELES, CALIFORNIA 90020

SID# 20927

RECEIVED
MAY 13 1985
L.A. COUNTY ENGINEER
SANITATION DIVISION

FN
PN
RC 3R
SIC
TGP
TGC

MAR 4 1985

APPLICATION FOR:

(1) NEW[ ] EXISTING[ ] FACILITY

(2) ADDITIONAL APPROVAL : (A) REPAIR[ ]

I-00686-3R (B) MODIFICATION[ ]

HYDRAULIC UNITS INC
1700 E BUSINESS CTR D
DUARTE CA 91010

(C) CHANGE OF MATERIAL STORED[ ]

(D) ADDITIONAL INSTALLATION[ ]

RE: 1700 E BUSINESS CTR D

ASSESSOR PARCEL IDENTIFICATION:

NO TANKS AT THIS FACILITY [ ]

MAP BOOK NO PAGE NO PARCEL NO

OWNER NAME HYDRAULIC UNITS, INC.

OWNER ADDRESS 1700 BUSINESS CENTER DRIVE City DUARTE State CA Zip 91010

FACILITY ADDRESS " City " State " Zip "

MAILING ADDRESS " City " State " Zip "

24 HOUR EMERGENCY CONTACT PERSON:

DAYS LEE DRUMM PHONE(818) 359-9211

NIGHTS FRANK WORLAND PHONE(818) 359-9211

PERSON RESPONSIBLE FOR FACILITY MAINTENANCE:

NAME TITLE PHONE

BRIEF DESCRIPTION OF BUSINESS MANUFACTURING

NUMBER OF TANKS 2

APPLICATION FEE
STATE SURCHARGE FEE
TOTAL FEE

A COMPLETE PERMIT APPLICATION MUST BE ACCOMPANIED BY:

*LOS ANGELES COUNTY TANK ASSESSMENT STATEMENT [ ] OR
*COPY OF HAZARDOUS SUBSTANCE STORAGE STATEMENT AS FILED WITH STATE [ ] OR
*STATE WATER RESOURCE CONTROL BOARD PERMIT APPLICATION [ ], AND
*A STATEMENT VERIFYING PRESENT SAFE STORAGE FOR EACH TANK [ ]

INCLUDE IF AVAILABLE AT TIME OF APPLICATION: FACILITY PLANS [ ]
LEAK DETECTION PROGRAM [ ] TANK MONITORING PROGRAM [ ]

(IMPORTANT! READ THESE INSTRUCTIONS BEFORE SIGNING.)
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE OF APPLICANT Dale Rippey TITLE Facilities Mgr

PRINTED NAME Dale Rippey DATE 5-7-85

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS SANITATION DIVISION
550 SOUTH VERMONT LOS ANGELES, CALIFORNIA 90020

955 B

OWNER:
NAME Hydraulic Units, Incorporated
ADDRESS 1700 Business Center Dr. **CITY** Duarte **STATE** Ca. **ZIP** 91010-0259

FACILITY:
NAME Hydraulic Units, Incorporated
SITE ADDRESS 1700 Busness Center Dr. **CITY** Duarte **ZIP** 91010-0259
MAILING ADDRESS P.O. Box 259 **CITY** Duarte **STATE** Ca. **ZIP** 91010-0259
CONTACT PERSON Mr. Rippey **TITLE** Facility Mngr. **PHONE** 818 359-9211

CLOSURE REQUESTED:
☐ **TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)**
EFFECTIVE DATE OF CLOSURE _____
DATE OPERATION WILL RESUME _____
☒ **PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION** 11855 WHITEROCK Rancho Cordova, Ca
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM) 95670
☐ **PERMANENT, TANK(S) IN PLACE**
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1	~~Steel~~ ~~Waste Oil~~		2,000	Waste Oil Only. F 802758
2	"		4,000	" " " F550847

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☒
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☒
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE _____ **DATE** 12/2/85
OWNER ☐ **OPERATOR** ☒ **CONTRACTOR** American Environmental Mngmnt Corp.
STATE LICENSE NO. 464159

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 26.00
PERMIT NO 955B
FILE NO CoEx R/C 32

_____ **DATE** 12-02-85

TO ARRANGE FOR AN INSPECTION, TELEPHONE (818) 574-0982 (8-9AM)

CONDITIONS A -- GENERAL

1. Closures shall be carried out such that all applicable regulations from the following agencies are complied with: Los Angeles County, Department of County Engineer-Facilities; Los Angeles County Fire Department, Fire Prevention Division or the appropriate City Fire Department; South Coast Air Quality Management District; and Los Angeles County Department of Health Services.

2. The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:

   a. Removal of tank shall require a three (3) business day advance notification.

   b. Permanent closure of a tank in place or a temporary closure shall require a 30 day written notification.

3. A fee of $38 per tank shall accompany this application.

4. All abandoned wells shall be destroyed in such a way that they will not produce water or act as a channel for interchange of water, when such interchange may result in deterioration of the quality of water in any or all water bearing formations penetrated, or present a hazard to the safety and well-being of people and animals.

5. A well destruction permit issued by the Los Angeles Department of Health Services shall be required for all wells requiring a permit for their initial construction.

6. Well destruction shall be accomplished according to methods described in the latest "Water Well Standards: State of California" by the Department of Water Resources, contained in Bulletin 74-81, December 1981, or any other methods that will provide equivalent or better protection.

7. Plans for the decontamination of a facility shall be submitted to the County Engineer for approval no later than 30 days before the commencement of such operations. Other agencies having jurisdiction shall also be notified. These agencies include the California Regional Water Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.

8. Decontamination shall require the following, as a minimum:

   a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potential of the original liquid stored and its components.

   b. The personnel shall be sufficiently skilled to safely carry out such operation.

   c. Contaminated materials removed from such facility shall be disposed of at legal point of discharge.

   d. The operation shall be carried out in a manner that will not endanger the health of the public and the environment.

CONDITIONS B -- TEMPORARY

1. All temporary closures shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.

2. A temporary closure shall not exceed 90 days.

CONDITIONS C -- PERMANENT, TANK(S) REMOVAL

1. All tank removals shall be carried out as indicated in Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Part D and any other applicable Parts.

2. Owners/operators shall notify the Building Department having jurisdiction at the place of removal if a grading permit is necessary.

3. Removed tanks shall not be transported away from the site until an inspection to establish site integrity is carried by the County Engineer.

4. If an appointment has been arranged with a County Engineer inspector to inspect the removal of a tank, the inspector will only wait at the site a reasonable amount of time (approximately one hour) after arriving for the removal to commence. Another closure fee may be charged if the inspector has to return to the site.

5. After inspection, tanks shall be transported to a legal disposal point.

6. If the tank had stored materials other than motor fuel, fuel oil, or waste oil, site integrity shall be demonstrated using the soil sampling and analysis procedures described in CONDITIONS D below.

7. The site shall be backfilled and recompacted to a relative compaction of 90%.

CONDITIONS D -- PERMANENT, TANK(S) IN PLACE

1. All permanent closures of tanks in place shall comply with Los Angeles County Fire Department, Fire Prevention Division, Supplement #A -- Inspection Guide #6, Parts B or C, and any other applicable Parts.

2. Owners/operators shall demonstrate part site integrity as follows:

   a. Test borings shall be slant drilled to intercept a point beneath the center of the tank, if possible. If slant drilling is not feasible, the test borings may be drilled vertically and the reason stated in the report in 2.h. below.

   b. For single tanks, a minimum of two test borings will be required, each located on opposite sides of the tank along the major axis of the tank.

   c. For multiple tanks, as a minimum, borings shall be placed at 20 foot intervals around the tank cluster. The actual number and location of borings shall be evaluated on a case-by-case basis. Tanks separated by 20 feet or more shall be considered single tanks for the purposes of test location and placement.

   d. Soil samples shall be taken at depths of 5, 10, 20, 30 and 40 feet below grade level.

   e. A Shelby Tube or a Modified California Sampler shall be utilized for taking all soil samples.

   f. Soil samples shall be capped immediately with teflon or aluminum.

   g. Soil samples shall not be extruded in the field but are to be immediately placed in a refrigerated ice chest and transported to a state certified laboratory for analysis, using suitable methods.

   h. A report containing the results of the above analysis shall be submitted to the County Engineer.

3. If the soil analysis in 2. above indicates the presence of contaminants, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Storage of Hazardous Materials -- Guidelines."

4. A report shall be submitted to the County Engineer containing the [illegible] of the site investigation.

Permit Application

This form constitutes a tank assessment statement (TAS) when accompanied by a Hazardous Materials Underground Storage Permit (HMUSP) application within the jurisdiction of L. A. County, Department of Public Works, Sanitation Division.

☐ 01 New Permit ☐ 02 Provisional Permit	☐ 03 Installed before July 1, 1984 ☐ 04 Installed after July 1, 1984	☐ 05 Renewed Permit	☐ 06 Amended Permit

I Owner

Name (Corporation, Individual or Public Agency)			
Hydraulic Units, Inc.			
Street Address	**City**	**State**	**ZIP**
1700 Business Center Drive	Duarte	CA	91010

II Facility

Facility Name	Dealer, Foreman, Supervisor	
Hydraulic Units, Inc.		
Street Address		**Nearest Cross Street**
1700 Business Center Drive		Highland Ave.
City	**County**	**ZIP**
Duarte	LA	91010
Mailing Address	**City**	**State** / **ZIP**
1700 Business Center Drive	Duarte	CA / 91010
Phone w/ area code	**Type of Business**	
818 359-9211	☐ 01 Gasoline Station ☒ 02 Other Manufacturing	

NUMBER OF CONTAINERS AT THIS FACILITY	Rural Areas Only: Township	Range	Section
2			

III 24 Hour Emergency Contact Person

Days Name (last name first) and Phone w/ area code	Nights Name (last name first) and Phone w/ area code
Drumm, Lee (818) 359-9211	Worland, Frank (818) 359-9211

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A ☒ 01 Tank ☐ 02 Other: _____ **Container Number** (if more than one number assign one): #2

B. Manufacturer (if appropriate): National Year of Mfg: 1962 C Year Installed 1962 ☐ Unknown

D Container Capacity 2011 gallons ☐ Unknown E Does the Container Store (Check One) ☒ 01 Waste ☐ 02 Product

F. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes Check appropriate box(es)

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☐ 05 Waste Oil ☒ 06 Other (List) _____

If you answered yes; do not complete Part VIII.

V Container Construction

A. Thickness of Primary Containment 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B ☐ 01 Vaulted (Located in an underground Vault) ☒ 02 Non-vaulted ☐ 03 Unknown

C ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined

D ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

Container Construction

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining

☒ 07 Unlined ☐ 08 Unknown ☐ 09 Other: ______

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection

☐ 04 Unknown ☐ 05 None ☒ 06 tar or asphalt ☐ 09 Other:

VI Piping

A. Aboveground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☒ 03 Gravity ☐ 04 Pressure ☐ 05 Suction
(Check) appropriate box(es) ☐ 06 Unknown ☐ 07 None

B. Underground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☐ 03 Gravity ☐ 04 Pressure ☐ 05 Suction
(Check) appropriate box(es) ☒ 06 Unknown ☐ 07 None

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument

☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None

☐ 10 Other: ______

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV-F you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

Person Filing (Signature)	Phone w area code 818-359-9211

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY
L.A. Co. Department of Public Works		19

CONTACT PERSON	PHONE W/AREA CODE
Carl Sjoberg	(213) 738-2527

INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number

Date Received	☐ 01	☐ 02	☐ 03

30.10 INSTALLATION (Continued)

G. Holes in Structural Members

1. Prohibited. In any structural beam (except where noted on drawings), without written consent of Architect.

2. Framed Openings. Where several pipes are located in close proximity, the Builder may provide one framed opening for all pipes in lieu of several sleeves. All framed openings must be approved by Architect. The Builder shall in advance of any work, provide instructions for the general construction work regarding his requirements for any framed openings.

H. Cleanouts

1. Locations

a. Where indicated on drawings.

b. At all horizontal offsets.

c. At ends of all waste or sewer lines more than 5 feet in length.

d. Interior cleanouts shall be at 50 ft. and exterior cleanouts shall be at 100 ft. intervals in all horizontal runs.

e. In addition to above list, furnish and install all cleanouts as required by Uniform Plumbing Code.

2. Accessibility

a. All cleanouts shall be accessible.

b. Cleanouts shall be of same nominal size as pipe they serve, except where they occur in piping larger than 4 inches in which case they shall be four (4) inches in size.

c. Installation. Graphite shall be used on all cleanouts with all threads being thoroughly greased at the finish of the job.

30.11 WASTE OIL TANK: Underground storage tank for process waste oil, standard type, storage capacity 2000 gallon nominal, 75-1/2 in. diameter x 103-1/4 in. length with 3/16 in. black steel shell, outside coated with black asphaltum, including standard 18 in. round manhole, 2 in. vent connection, 4 in. suction and 4 in. fill connection, hardwood dip stick calibrated in gallons. Tank to have underwriters label.

Permit Application

This form constitutes a tank assessment statement (TAS) when accompanied by a Hazardous Materials Underground Storage Permit (HMUSP) application within the jurisdiction of L. A. County, Department of Public Works, Sanitation Division.

☐ 01 New Permit ☐ 02 Provisional Permit	☐ 03 Installed before July 1, 1984 ☐ 04 Installed after July 1, 1984	☐ 05 Renewed Permit	☐ 06 Amended Permit

I Owner

Name (Corporation, Individual or Public Agency)			
Hydraulic Units, Inc.			
Street Address	**City**	**State**	**ZIP**
1700 Business Center Drive	Duarte	CA	91010

II Facility

Facility Name	Dealer, Foreman, Supervisor	
Hydraulic Units, Inc.		
Street Address		**Nearest Cross Street**
1700 Business Center Drive		Highland Ave.
City	**County**	**ZIP**
Duarte	LA	91010
Mailing Address	**City**	**State** / **ZIP**
1700 Business Center Drive	Duarte	CA 91010
Phone w/ area code	**Type of Business**	
818 359-9211	☐ 01 Gasoline Station ☒ 02 Other: Manufacturing	
NUMBER OF CONTAINERS AT THIS FACILITY 2	**Rural Areas Only:** Township	Range / Section

III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/ area code	Nights: Name (last name first) and Phone w/ area code
Drumm, Lee (818) 359-9211	Worland, Frank (818) 359-9211

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. ☒ 01 Tank ☐ 02 Other: _____ **Container Number** (if more than one, assign one): #1

B. Manufacturer (if appropriate): Comwell Year of Mfg: 1964 C. Year Installed: 1964 ☐ Unknown

D. Container Capacity: 4060 gallons ☐ Unknown E. Does the Container Store (Check One): ☒ 01 Waste ☐ 02 Product

F. Does the Container Store Motor Vehicle Fuel or Waste Oil? ☒ 01 Yes ☐ 02 No If Yes, Check appropriate box(es):

☐ 01 Unleaded ☐ 02 Regular ☐ 03 Premium ☐ 04 Diesel ☒ 05 Waste Oil ☐ 06 Other (List): _____

If you answered yes; do not complete Part VIII.

V Container Construction

A. Thickness of Primary Containment: 3/16 ☐ Gauge ☒ Inches ☐ cm ☐ Unknown

B. ☐ 01 Vaulted (Located in an underground Vault) ☒ 02 Non-vaulted ☐ 03 Unknown

C. ☐ 01 Double Walled ☒ 02 Single Walled ☐ 03 Lined

D. ☒ 01 Carbon Steel ☐ 02 Stainless Steel ☐ 03 Fiberglass ☐ 04 Polyvinyl Chloride ☐ 05 Concrete ☐ 06 Aluminum

☐ 07 Steel Clad ☐ 08 Bronze ☐ 09 Composite ☐ 10 Non-metallic ☐ 11 Earthen Walls

☐ 12 Unknown ☐ 13 Other: _____

Container Construction

E. ☐ 01 Rubber Lined ☐ 02 Alkyd Lining ☐ 03 Epoxy Lining ☐ 04 Phenolic Lining ☐ 05 Glass Lining ☐ 06 Clay Lining
☒ 07 Unlined ☐ 08 Unknown ☐ 09 Other: _____

F. ☐ 01 Polyethlene Wrap ☐ 02 Vinyl Wrapping ☐ 03 Cathodic Protection
☐ 04 Unknown ☐ 05 None ☒ 06 tar or asphalt ☐ 09 Other: _____

VI Piping

A. Aboveground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☒ 03 Gravity ☐ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

B. Underground Piping: ☐ 01 Double-walled pipe ☐ 02 Concrete-lined trench ☒ 03 Gravity ☐ 04 Pressure ☐ 05 Suction
[(Check) appropriate box(es)] ☐ 06 Unknown ☐ 07 None

VII Leak Detection

☐ 01 Visual ☐ 02 Stock Inventory ☐ 03 Tile Drain ☐ 04 Vapor Sniff Wells ☐ 05 Sensor Instrument
☐ 06 Ground Water Monitoring Wells ☐ 07 Pressure Test ☐ 08 Internal Inspection ☒ 09 None
☐ 10 Other: _____

VIII Chemical Composition of Materials *Currently* or *Previously* Stored in Underground Containers

If you checked yes to IV -F you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical *Do Not Use Commercial Name* (Use additional paper for more room
☐ 01	☐ 02		
☐ 01	☐ 02		
☐ 01	☐ 02		

Is Container located on an Agricultural Farm? ☐ 01 Yes ☒ 02 No

Person Filing (Signature) Carl Sioberg Phone w area code 818-359-9211

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY
L.A. Co. Department of Public Works		19
CONTACT PERSON	PHONE W/AREA CODE	
Carl Sioberg	(213) 738-2527	
INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number
Date Received	☐ 01 ☐ 02 ☐ 03	

30.09 INSTALLATION (Continued)

d. In addition to above list, furnish and install all cleanouts as required by Uniform Plumbing Code.

2. Accessibility

a. All cleanouts shall be accessible.

b. Cleanouts shall be of same nominal size as pipe they serve, except where they occur in piping larger than 4 inches in which case they shall be four (4) inches in size.

c. Installation. Graphite shall be used on all cleanouts with all threads being thoroughly greased at the finish of the job.

#1

30.10 WASTE OIL TANK: Underground storage tank for process waste oil, standard type, storage capacity 4000 gallon nominal, 72 in. diameter x 247 in. length with 3/16 in. black steel shell, outside coated with black asphaltum, including standard 18 in. round manhole, 2 in. vent connection, 4 in. suction and 4 in. fill connection, hardwood dip stick calibrated in gallons. Tank to have underwriters label. Provide tank connections conforming to all codes having jurisdiction.

30.11 TESTING

A. The Builder shall perform all tests as required on the plumbing system in the presence of Local Inspectors.

B. Water lines shall be tested by a hydrostatic pressure of 150 psig at the lowest point of the system. Duration of test 4 hours.

C. Gas piping system shall be tested as required by the County plumbing codes, or any other authority having jurisdiction.

D. Sewer, Waste, Vent and Drain Piping. Fill with water to top of highest vent, allow to stand a minimum of two hours.

30.12 CLEANING UP

A. After the piping systems have been tested and proved tight, the various systems shall be cleaned of dirt, scale, oil, grease, waste, and other foreign substance which may have accumulated during the process of installation or testing.

B. Water System Sterilization. Before any use of system is made for domestic purposes, it shall be sterilized by slowly filling with water using chlorine as a sterilizing agent at a rate of 50 ppm, as determined by residual chlorine test at extremities of the line. After lines have been filled for a period of 3 hours, tests for residual chlorine shall

Appendix G

2007 Asbestos Survey Report

ASBESTOS INSPECTION REPORT
1700 BUSINESS CENTER DRIVE

Duarte, California

Prepared For:
Smiths Aerospace

Prepared By:

Shaw Environmental, Inc.

3347 Michelson Drive, Suite 200
Irvine, California 92612

September 18, 2007

ASBESTOS INSPECTION REPORT
1700 BUSINESS CENTER DRIVE IN DUARTE, CALIFORNIA

The material and data were prepared under the supervision of the undersigned. This report was prepared consistent with current construction industry standards and environmental consulting principles and practices that are within the limitations provided herein.

Approved by: Date: September 18, 2007

Rick McKenna
DOSH Certified Asbestos Consultant #92-0683

Reviewed by: Date: September 18, 2007

David S. Martinez, CIH
Client Program Manager

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List of Appendices

Executive Summary

Smiths Aerospace retained Shaw Environmental, Inc. (Shaw) to conduct an assessment of suspect asbestos-containing materials (ACM) for their facility located at 1700 Business Center Drive in Duarte, California.

Mr. Rick McKenna, a State of California Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (Certificate No. 92-0683, expiration date February 18, 2008) with Shaw performed this assessment on August 31, 2007. Mr. McKenna collected 74 bulk samples of suspect Asbestos-Containing Materials (ACM) from 22 homogenous areas within the subject building. Mr. McKenna shipped the collected samples to AmeriSci to be analyzed for asbestos using Polarized Light Microscopy (PLM) in accordance with United States Environmental Protection Agency (USEPA) method EPA-600/R-93/116 (asbestos).

As presented in this report, results of our assessment indicate that asbestos were detected in the sampled building materials of the subject building. Results from the evaluation conducted for this building are outlined in this report.

Where asbestos is present in a building, action should be taken to minimize exposure of building occupants and maintenance employees to these materials. In addition, during renovations or demolitions, if any suspect ACM is found, additional sampling should be performed to determine if the materials contain asbestos. However, to control accidental release of fibers and to limit potential exposure of maintenance personnel to asbestos, an effective asbestos operations and maintenance (O&M) program should be implemented.

SCAQMD Rule 1403 is applicable to owners and operators of any demolition or renovation activity, and the associated disturbance of ACM, any asbestos storage facility, or any active waste site. It also specify work practice requirement for demolition and renovation activities including removal and associated disturbance of ACM.

A notification should be provided to all employees within 15 days of receipt of information identifying the presence or location of materials containing more than one percent of asbestos by weight, pursuant to California Health and Safety Code, Section 25915.

1.0 Introduction

Smiths Aerospace retained Shaw, to conduct an assessment of suspect asbestos-containing materials (ACM) for their facility located at 1700 Business Center Drive in Duarte, California. Mr. Rick McKenna, a State of California Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (Certificate No. 92-0683, expiration date February 18, 2008) performed the asbestos assessment on August 31, 2007.

This report provides details of the procedures and analytical methods that were used to perform the survey and sampling within the subject building.

2.0 Methodology

2.1 Asbestos Sampling Strategies

The suspect ACM was categorized into homogeneous areas. A homogeneous area is defined as an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

A sampling scheme was developed based upon the location and quantities of the various homogeneous areas. Bulk samples were collected by extracting a representative section of the selected material, placing in a sampling container and assigning a unique sampling number. Asbestos bulk samples were obtained in accordance with the USEPA established guidelines document, "Guidance for Controlling Asbestos-Containing Materials in Schools, Final Rule" (AHERA).

Appendix A presents the sample results for the suspect asbestos containing materials. Appendix C presents a sample location diagram.

2.2 Laboratory Analysis

The samples were placed into a sealed shipping container for delivery to AmeriSci for analysis by Polarized Light Microscopy (PLM), following the United State Environmental Protection Agency's (USEPA) PLM method EPA/600R-93/116 (July 1993) for determining asbestos in building materials. AmeriSci is located in Carson, California and is certified by the U. S. Department of Commerce's National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (Lab. No. 200346-0).

3.0 Results

Shaw collected 74 bulk samples of suspect Asbestos-Containing Materials (ACM) from 22 homogenous areas within the building located at 1700 Business Center Drive in Duarte, California. The suspect ACM materials sampled during this assessment include:

- Floor tile and associated mastic
- Mastic underlying baseboard
- Ceiling panels
- Ceiling tiles
- Mastic underlying ceiling tiles
- Gypsum board and joint compound
- Sprayed-applied acoustic ceiling material
- Pipe fitting insulation
- Plaster
- Texture coating applied on metal siding

As per Code of Federal Regulations 40 Part 763.87 "Analysis", a homogeneous area shall be determined to contain ACM based on a finding that the results of at least one sample collected from that area shows that asbestos is present in an amount greater than 1 percent. Based on our visual inspection and analytical results using PLM indicated the presence of asbestos in the following materials:

- 12"X12" cream / rust floor tile;
- Pipe fitting insulation (large pipes);
- Pipe fitting insulation (small pipes);
- Texture coating on exterior metal siding;
- Joint compound applied on gypsum board ;
- Sprayed-applied acoustic ceiling material;
- Roofing material under foam (presume asbestos-containing material),
- Cementitious pipe (transite).

The following table presents a summary of the suspect asbestos-containing materials identified in the subject building: ***(Analysis by PLM)***

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
01 Maintenance office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
02 Maintenance office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
03 Shipping / receiving office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
04 Shipping / receiving office	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
05 First aid	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
06 Break room	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
07 **Reproduction room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**400 Sq. Ft.**	**Good condition** **Maintain in place**
08 **Rep. Storage room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**same quantity as sample #07**	**Good condition** **Maintain in place**
09 **Gage room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**same quantity as sample #07**	**Good condition** **Maintain in place**
10 Rep. Storage room	12"X12" tan floor tile and yellow mastic	NONE DETECTED	N/A	N/A
11 Women's rest-room	12"X12" tan floor tile	NONE DETECTED	N/A	N/A
12 Women's rest-room foyer	12"X12" tan floor tile	NONE DETECTED	N/A	N/A
13 Mezzanine - office	12"X12" white floor tile	NONE DETECTED	N/A	N/A
14 Mezzanine - office	12"X12" white floor tile	NONE DETECTED	N/A	N/A
15 Mezzanine - office	12"X12" white floor tile and yellow mastic	NONE DETECTED	N/A	N/A
16 Maintenance office	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
17 Break room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
18 Break room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
19 Office area – front	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
20 Office area – front	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
21 Office area - Mezzanine	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A

Abated 08

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
22 Reproduction room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
23 Mezzanine offices	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
24 Conference room – Repo.	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
25 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
26 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
27 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
28 Screening room #2	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
29 Computer room	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
30 Hallway by computer room	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
31 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
32 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
33 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
34 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
35 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
36 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
37 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
38 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
39 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
40 By mezzanine fan room	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
41 Mezzanine storage	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
42 Ceiling plenum	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
43 Exterior – south side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
44 Exterior – west side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
45 Roof – north side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
46 Break room	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
47 Fab. offices	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
48 Outside Fab. offices	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
49 Maintenance office	**Gypsum board & joint compound**	Gypsum – NONE DETECTED **Joint compound - 2% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
50 Maintenance office	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound – <1% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
51 Outside maintenance office	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound – <1% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
52 Mezzanine	Gypsum board & joint compound	NONE DETECTED	Throughout not quantified	Good condition Maintain in place
53 Mezzanine	Gypsum board & joint compound	NONE DETECTED	Throughout not quantified	Good condition Maintain in place
54 Mezzanine	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound - 2% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
55 Mezzanine – rep. storage room	**Dark brown baseboard mastic & joint compound**	Baseboard & mastic– NONE DETECTED **Joint compound – 3% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
56 Offices by production test	Dark brown baseboard & mastic	NONE DETECTED	N/A	N/A
57 Offices – north side	Dark brown baseboard & mastic	NONE DETECTED	N/A	N/A

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
58 Northwest stairwell	**Spray-applied acoustic ceiling material**	**4% Chrysotile**	**1,500 Sq. Ft.**	**Good condition Maintain in place**
59 Northeast stairwell	**Spray-applied acoustic ceiling material**	**3% Chrysotile**	**same quantity as sample #58**	**Good condition Maintain in place**
60 Offices – northwest corner	**Spray-applied acoustic ceiling material**	**3% Chrysotile**	**same quantity as sample #58**	**Good condition Maintain in place**
61 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
62 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
63 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
64 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
65 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
66 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
67 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
68 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
69 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
70 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
71 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
72 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
73 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
74 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
PACM Roof	**Roofing material under foam**	**Assumed ACM**	**Throughout not quantified**	**Good condition Maintain in place**
PACM Roof	**Cementitious pipe**	**Assumed ACM**	**Not quantified**	**Good condition Maintain in place**

3.1 Materials not sampled

- Fiberglass and rubber insulation were not sampled;
- Cementitious pipes (transite);
- Roofing materials under foam;

Destructive sampling was not performed and samples were not collected from inaccessible areas (i.e. locked rooms, pipe chases, wall cavities, fire doors, buried pipes or equipment, gaskets, electrical wiring and equipment, etc.).

4.0 Conclusions and Recommendations

As presented in Section 3 results of our assessment indicate that asbestos is present in some materials in the building and were in good condition at the time of inspection. As a result, the utmost care should be taken to avoid any disturbance or damages to ACM where present in the facility in order to prevent fiber release and minimize exposure of building occupants and maintenance employees to asbestos fibers.

The TSI has been abated in the mechanical rooms where there is significant vibration and noise. The only TSI remaining is in areas that are out of reach of personnel and should remain in good condition, since there is a low likelihood for disturbance. However, to control accidental release of fibers and to limit potential exposure of maintenance personnel to asbestos, an effective asbestos operations and maintenance (O&M) program should be implemented.

As result of this investigation, any ACM or presumed ACM identified in this assessment that will be impacted by renovation or demolition activities must be removed prior to other construction activities taking place. These materials should be removed in accordance with federal, state and local regulatory requirements.

SCAQMD Rule 1403 is applicable to owners and operators of any demolition or renovation activity, and the associated disturbance of ACM, any asbestos storage facility, or any active waste site. It also specify work practice requirement for demolition and renovation activities including removal and associated disturbance of ACM.

A notification should be provided to all employees within 15 days of receipt of information identifying the presence or location of materials containing more than one percent of asbestos by weight, pursuant to California Health and Safety Code, Section 25915.

During renovation or demolition operations, materials may be uncovered that are different from those accessible for sampling during this evaluation. Personnel in charge of renovation or demolition should be alerted to note materials uncovered during these operations that differ substantially from those included in this evaluation. If suspect ACM is found, additional sampling should be performed to determine if the materials contain asbestos or lead.

5.0 References

Occupational Safety and Health Administration, General Industry Standard, Asbestos, 29 CFR 1926.1101.

Occupational Safety and Health Administration, General Industry Standard, Asbestos, 29 CFR 1910.1001.

U.S. Environmental Protection Agency. 1985. Guidance for Controlling Asbestos-Containing Materials in Buildings, 560/5-85-024, June.

U.S. Environmental Protection Agency, National Emission Standard for Hazardous Air Pollutants 40 CFR Parts 61, Subpart M.

U.S. Environmental Protection Agency, Asbestos-Containing Materials in Schools 40 CFR Part 76.

6.0 Limitations

The statements, opinions and conclusions contained in this report are based solely upon the services performed by Shaw as described in this report and the Scope of Work as established for the report by Smiths Aerospace's budgetary and time constraints and the terms and conditions of the agreement with Smiths Aerospace. In performing these services and preparing the report, Shaw relied upon the work and information provided by others, including public agencies, whose information is not guaranteed by Shaw. In addition, Smiths Aerospace has been advised and understands that the absence of contamination in one location does not necessarily preclude the finding of contamination in other locations that were not investigated in preparing this report. This report is intended for Smiths Aerospace's sole and exclusive use and not for the benefit of others and may not be used or relied upon by others. The findings of the report are limited to those specifically expressed in the report and no other representations or warranties are given by Shaw and no additional conclusions should be reached or representations relied on other than those expressly stated in the report and as limited by the previously agreed upon terms and conditions for this project.

APPENDIX A
LABORATORY ANALYSIS RESULTS AND CHAIN OF CUSTODY FORMS

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Shaw Environmental &
Infrastructure, Inc.
Attn: Seyed Miri
3347 Michelson Drive
Suite 200
Irvine, CA 92612-1692

Date Received 09/04/07
Date Examined 09/05/07

AmeriSci Job No. 907091012
P.O. # GE Aviation
Page 1 **of** 18

RE GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01	907091012-01L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
01	907091012-01L2	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
02	907091012-02L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
02	907091012-02L2	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
03	907091012-03L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Ship / Rec. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
03 01	907091012-03L2 **Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
04 02	907091012-04L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
04 02	907091012-04L2 **Location:** 12" X 12" Gray Floor Tile & Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
05 02	907091012-05L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / First Aid	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
05 02	907091012-05L2 **Location:** 12" X 12" Gray Floor Tile & Mastic / First Aid	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
06 02	907091012-06L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
06	907091012-06L2	*No*	NAD
02	**Location:** 12" X 12" Gray Floor Tile & Mastic / Break Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
07	907091012-07L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Reproduction Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
07	907091012-07L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Reproduction Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
08	907091012-08L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
08	907091012-08L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
09	907091012-09L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Gage Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09	907091012-09L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Gage Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
10	907091012-10L1	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Mezzanine - Rep. Storage Rm		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Tan, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
10	907091012-10L2	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Mezzanine - Rep. Storage Rm		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
11	907091012-11	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Wom. RR		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
	Comment: No mastic		
12	907091012-12	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Wom. RR Foyer		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
	Comment: No mastic		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
13 05	907091012-13 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %
Comment: No Mastic

14 05	907091012-14 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %
Comment: No mastic

15 05	907091012-15L1 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %

15 05	907091012-15L2 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Yellow, Heterogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100 %

16 06	907091012-16 **Location:** 2' X 4' Ceiling Panels Tran. Fischer Pat. / Maint. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile
Asbestos Types:
Other Material: Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
17 06	907091012-17 **Location:** 2' X 4' Ceiling Panels Random Fishcher Pat. / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %		
18 06	907091012-18 **Location:** 2' X 4' Ceiling Panels Random Fishcher Pat. / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %		
19 07	907091012-19 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Front	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
20 07	907091012-20 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Front	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
21 07	907091012-21 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Mezzanine	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
22 08	907091012-22 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Reproduction Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
23 08	907091012-23 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Mezz. Offices (Hallway)	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %			
24 08	907091012-24 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Cont. Rm - Bn Repo Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %			
25 09	907091012-25 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
26 09	907091012-26 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
27 09	907091012-27 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
28 10	907091012-28 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - By Repo Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
29 10	907091012-29 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - By Productio Test **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
30 10	907091012-30 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - Shipping Office **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
31 11	907091012-31 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
32 11	907091012-32 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
33 11	907091012-33 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
34 12	907091012-34 **Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
35	907091012-35	*No*	NAD
12	**Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
36	907091012-36	*No*	NAD
12	**Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
37	907091012-37	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
38	907091012-38	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
39	907091012-39	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
40	907091012-40	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes / By Mezz Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
41	907091012-41	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes /Mezzanine Storage		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
42	907091012-42	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes / Ceiling Plenum		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
43	907091012-43	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Exterior - South Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
44	907091012-44	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Exterior - West Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
45	907091012-45	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Roof - North Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
46	907091012-46.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Ceiling / Breakroom		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 13 %, Fibrous glass Trace, Non-fibrous 87 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
46	907091012-46.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Ceiling / Breakroom		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
47	907091012-47.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 31 %, Fibrous glass Trace, Non-fibrous 69 %		
47	907091012-47.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
48	907091012-48.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Outside Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 6 %, Fibrous glass Trace, Non-fibrous 94 %		
48	907091012-48.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Outside Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
49	907091012-49.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Ceiling / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 2 %, Non-fibrous 98 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
49	907091012-49.2	*Yes*	2 %
17	**Location:** Drywall & Joint Compound Walls / Ceiling / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
50	907091012-50.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Drywall & Joint Compound Walls / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 1 %, Non-fibrous 99 %		
50	907091012-50.2	*Yes*	Trace (<1 %)
17	**Location:** Drywall & Joint Compound Walls / Drywall & Joint Compound Walls / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile <1. %		
	Other Material: Non-fibrous 100 %		
51	907091012-51.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Outside Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Non-fibrous 96 %		
51	907091012-51.2	*Yes*	Trace (<1 %)
17	**Location:** Drywall & Joint Compound Walls / Outside Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile <1. %		
	Other Material: Non-fibrous 100 %		
52	907091012-52.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
52	907091012-52.2	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
53	907091012-53.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %		
53	907091012-53.2	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
54	907091012-54.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 23 %, Non-fibrous 77 %		
54	907091012-54.2	*Yes*	2 %
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
55	907091012-55L1	*No*	NAD
19	**Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
55 19	907091012-55L2 **Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
55 19	907091012-55L3 **Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.	*Yes*	3 % (by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Underlayment **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %		
56 19	907091012-56L1 **Location:** Bown Baseboard Mastic / Office - By Prop. Test	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
56 19	907091012-56L2 **Location:** Bown Baseboard Mastic / Office - By Prop. Test	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
57 19	907091012-57L1 **Location:** Bown Baseboard Mastic / Offices - North Side	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
57 19	907091012-57L2 **Location:** Bown Baseboard Mastic / Offices - North Side	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
58	907091012-58	*Yes*	4 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / NW Stairwell		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Non-fibrous 96 %		
59	907091012-59	*Yes*	3 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / NW Stairwell		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		
60	907091012-60	*Yes*	3 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / Offices - NW Corner		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		
61	907091012-61	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
62	907091012-62L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
62	907091012-62L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
63	907091012-63L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
63	907091012-63L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
64	907091012-64L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
64	907091012-64L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
65	907091012-65	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
66	907091012-66	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
67	907091012-67	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
68	907091012-68	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
69	907091012-69	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
70	907091012-70	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
71	907091012-71	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
72	907091012-72	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
73	907091012-73	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
74	907091012-74	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

Reporting Notes:

Analyzed By: Arturo A. Aldana LAN FOR Arturo Aldana Date Analyzed: 9/5/2007 9/5/2007

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: 9/5/2007

9070 1012

SHAW Environmental & Infrastructure

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s):	RICK MCKENNA Pg 1 OF 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
01	01	12"x12" CREAM FLOOR TILE +	MAINT. OFFICE			N	G
02	↓	↓ TAN MASTIC	"	↓		↓	↓
03	↓	↓	SHIP/REC. OFFICE	↓		↓	↓
04	02	12"x12" GRAY FLOOR TILE +	SHIP/REC. OFFICE			N	G
05	↓	↓ MASTIC	FIRST AID	↓		↓	↓
06	↓	↓	BREAK ROOM	↓		↓	↓
07	03	12"x12" CREAM/RUST FLOOR TILE +	REPRODUCTION ROOM			N	G
08	↓	↓ MASTIC	REP. STORAGE RM	↓		↓	↓
09	↓	↓	GAGE ROOM	↓		↓	↓
10	04	12"x12" TAN FLOOR TILE +	MEZZANINE - REP. STORAGE RM			N	G
11	↓	↓ MASTIC	WOM. RR	↓		↓	↓
12	↓	↓	WOM. RR FOYER	↓		↓	↓
13	05	12"x12" WHITE FLOOR TILE +	MEZZANINE - OFFICE			N	G
14	↓	↓ MASTIC	↓ ↓	↓		↓	↓
15	↓	↓	↓ ↓	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Rec'd By [signature] 9/4/07 1010

SHAW Environmental & Infrastructure

9070910 12

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR DR, DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA PAGE OF 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
16	06	2'X4' CEILING PANELS.	MAINT. OFFICE	UNDET.		F	G
17	↓	↓ TRAN. FISCHER PAT.	BREAK ROOM	↓		↓	↓
18	↓	↓		↓		↓	↓
19	07	2'X4' CEILING PANELS	OFFICE AREA - FRONT	UNDET.		F	G
20	↓	↓ RANDOM FISCHER PAT.	↓ - "	↓		↓	↓
21	↓	↓	↓ - MEZZANINE	↓		↓	↓
22	08	2'X4' CEILING PANELS	REPRODUCTION ROOM	UNDET.		F	G
23	↓	↓ -TRAN. PATTERN	MEZZ. OFFICES (HALLWAY)	↓		↓	↓
24	↓	↓	CONF. RM - BY REPRO RM	↓		↓	↓
25	09	2'X2' CEILING PANELS	CONF. RM	UNDET.		F	G
26	↓	↓	↓	↓		↓	↓
27	↓	↓	↓	↓		↓	↓
28	10	CEILING TILE MASTIC (12"X12" TILE)	CORRIDOR - BY REPRO RM.	UNDET.		N	G
29	↓	↓ (SMOOTH TILE)	CORRIDOR - BY PRODUCTION TEST	↓		↓	↓
30	↓	↓	SHIPPING OFFICE	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Read By [signature] 9/4/07 1010

SHAW Environmental & Infrastructure

9070 1012

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUSINESS CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA Pg 3 of 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
31	11	12"x12" CEILING TILE (TEXTURED)	CORRIDOR - BY PROD. GRIND	UNDET.		F	G
32	↓	↓	↓	↓		↓	↓
33	↓	↓	↓	↓		↓	↓
34	12	CEILING TILE MASTIC (UNDER	CORRIDOR - BY PROD GRIND	UNDET.		N	G
35	↓	TEXT. 12"x12" TILE)	↓	↓		↓	↓
36	↓	↓	↓	↓		↓	↓
37	13	PIPE FITTING INSULATION	BY MEZZ. FAN RM	UNDET.		F	G
38	↓	- LG PIPES	↓	↓		↓	↓
39	↓	↓	↓	↓		↓	↓
40	14	PIPE FITTING INSULATION	BY MEZZ FAN RM	UNDET.		F	G
41	↓	- SM. PIPES	MEZZANINE STORAGE	↓		↓	↓
42	↓	↓	CEILING PLENUM	↓		↓	↓
43	15	TEXTURE COAT ON METAL	EXTERIOR SOUTHSIDE	UNDET.		N	G
44	↓	SIDING	↓ - WEST SIDE	↓		↓	↓
45	↓	↓	ROOF - NORTHSIDE	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Read By [illegible] 9/4/07 1010

SHAW Environmental & Infrastructure

Date:	08/31/09
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA PG 4 OF 5

9070 1012

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
46	16	DRYWALL + JOINT COMPOUND	BREAKROOM	UNDET.		N	G
47	↓	WALLS / CEILINGS	FAB. OFFICES	↓		↓	↓
48	↓	↓	OUTSIDE FAB OFFICES	↓		↓	↓
49	17	DRYWALL + JOINT COMPOUND	MAINT. OFFICE (NC)	UNDET.		N	G
50	↓	WALLS / CEILINGS	↓	↓		↓	↓
51	↓	↓	OUTSIDE MAINT OFFICE	↓		↓	↓
52	18	DRYWALL + JOINT COMPOUND	MEZZANINE (ABOVE REP. RM)	UNDET.		N	G
53	↓	WALLS / CEILINGS	↓	↓		↓	↓
54	↓	↓	↓	↓		↓	↓
55	19	BROWN BASEBOARD MASTIC	MEZZANINE - REP. STORAGE RM	UNDET.		N	G
56	↓	↓	OFFICE - BY PROP. TEST.	↓		↓	↓
57	↓	↓	OFFICES - NORTH SIDE	↓		↓	↓
58	20	SPRAY-APPLIED ACOUSTIC	NW STAIRWELL			F	G
59	↓	CEILING MATERIAL	NE STAIRWELL	↓		↓	↓
60	↓	↓	OFFICES - NW CORNER	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Rec'd By B Fuller 9/4/09 1010

SHAW Environmental & Infrastructure

9070 1012

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA Pg 5 of 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
61	21	PLASTER WALLS & CEILINGS	MEZZ. CHILLER RM	UNDET.		N	G
62		(SAND FINISH)					
63							
64							
65			ROOF CHILLER RM				
66							
67							
68	22	PLASTER WALLS & CEILINGS	OFFICE AREA - N.S. DE	UNDET.		N	G
69		(SMOOTH FINISH)					
70							
71							
72							
73							
74							

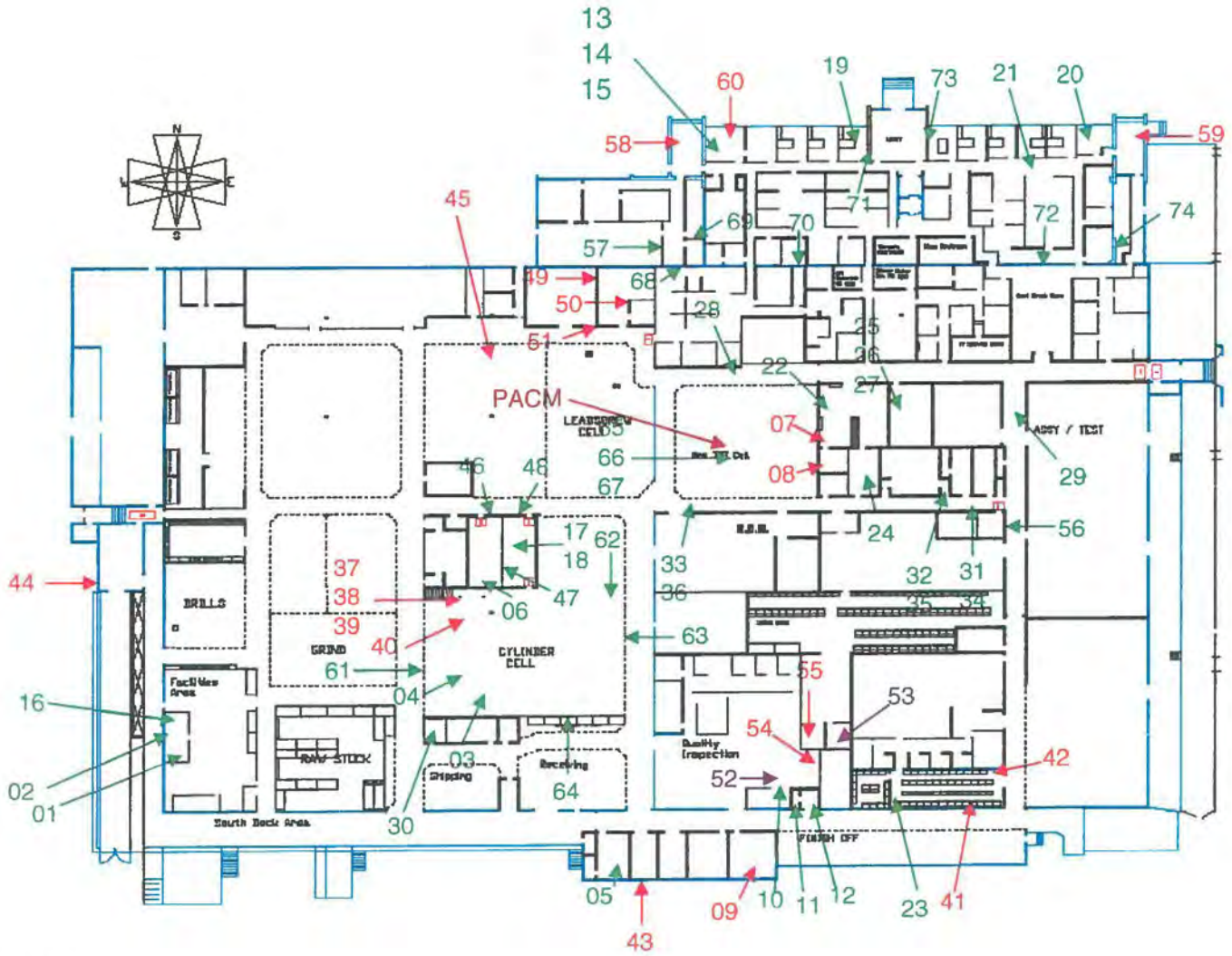
NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Recd By B Hallen 9/4/07 1010

APPENDIX B

SAMPLE LOCATION DIAGRAM



Legends:

— No asbestos was detected

— Asbestos was detected

— Asbestos was detected in at lea one sample of homogenous are

— Presumed asbestos-containing Materials (PACM)

Not to scale

Sample Location Diagram

APPENDIX C

GLOSSARY OF ASBESTOS REGULATORY TERMS

GLOSSARY

AIHA: American Industrial Hygiene Association.

Asbestos: Any hydrated mineral silicate separable into commercially usable fibers, including, but not limited to, Chrysotile, Amosite, Crocidolite, Tremolite, Anthophylite, and Actinolite.

Asbestos Abatement: Procedures to control fiber release from asbestos-containing materials. Includes removal, encapsulation, enclosure, repair, demolition, and renovation activities.

Asbestos Abatement Contractor: An individual and/or business properly licensed and certified to perform asbestos abatement. The contractor is responsible for the proper completion of project activities in accordance with Federal, State, and local regulations.

Asbestos-Containing Building Material (ACBM): Material composed of asbestos of any type in an amount greater than 1 percent by weight, either alone or mixed with other fibrous or non-fibrous materials.

Asbestos Hazard Emergency Response Act (AHERA): An EPA regulation published in the October 30, 1987, Federal Register covering asbestos-containing materials in schools.

Asbestos Survey: The inspection of a building or portion of a building for the determination of the location of all ACBM present. An asbestos survey usually includes the collection of bulk samples for analysis by a laboratory.

Bulk Material Sample: A representative sample of a material or paint collected by an inspector for asbestos analysis.

Condition Assessment: The determination of a material's overall condition and potential risk. The following information is typically included in an assessment: a description of any physical damage, water damage, delamination etc.; degree of accessibility of the material; degree of activity near the material; and location in or near an air plenum or other HVAC equipment.

Demolition: he tearing down, wrecking, or taking out portions of all of a facility.

Destructive Surveying: The limited exploratory demolition of chases, walls, ceiling cavities, etc., for the purposes of identifying all previously hidden and inaccessible ACBM/LBP in an area.

Deterioration: The condition of ACBM in which the integrity of the material worsens. Deterioration includes physical damage, water damage, air erosion, and delamination of a material.

EPA: United States Environmental Protection Agency.

Exploratory Demolition: The limited demolition of walls, chases, building components, etc., for the purposes of inspecting an area which was previously inaccessible. Demolition is usually only to the extent necessary to provide an opening for visual inspection.

Friable Asbestos: ACBM that, when dry, may be easily crumbled, pulverized, or reduced to powder by hand pressure; includes previously non-friable material after it becomes damaged to the extent that when dry, it may be crumbled, pulverized, or reduced to powder by hand pressure.

HEPA Filter: A high-efficiency particulate air filter capable of removing particles 0.3 microns or larger in diameter with 99.97 percent efficiency.

HEPA Vacuum: A vacuum system equipped with HEPA filtration.

Homogeneous Areas/Materials: Areas or material types, which are uniform in texture, color, and function and which appear to be identified in all other respects.

Inaccessible Areas: All areas that cannot be reached without first removing major components, including walls, ceilings, and flooring, in order to access the ACBM or LBP located in those areas.

Miscellaneous Material: Any suspect asbestos-containing material on structural components, structural members, or fixtures, such as floor and ceiling tiles, mastics, transite, etc.; does not include surfacing material or thermal system insulation.

Non-Friable Asbestos: ACBM that, when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.

NOB: Non-Friable organically bound material such as floor tile, mastics, roofing materials, etc.

NVLAP: National Voluntary Laboratory Accreditation Program.

OSHA: Occupational Safety and Health Administration.

Personal Protective Equipment: Includes items such as HEPA filtered respirators, disposal protective clothing, gloves, boots, etc.

Phase Contrast Microscopy (PCM): Optical analytical method for determining fiber concentrations in air. Does not distinguish among asbestos and other fibers.

Polarized Light Microscopy (PLM): An optical method used to analyze bulk or wipe samples that utilizes polarized light and dispersion staining.

Quantification: A means of estimating the amounts of ACBM in an area, and usually reported as square feet, linear feet, or number of units. Quantification is typically performed in the field, but in some cases can be performed by estimating from scaled drawings (e.g., quantities of floor covering can be estimated readily from scaled drawings where certain pipe fittings and insulation are more readily estimated in the field).

Renovation: Altering in any way one or more facility components.

Substrate Material: Refers to the underlying material or components to which the ACBM is attached (e.g., wood windows, metal doors, concrete floors, steel beams, etc.).

Surfacing Material: Any material that a sprayed on, troweled on, or otherwise applied to surfaces for acoustical, fireproofing, decorative, or other purposes.

Suspect Asbestos-Containing Material: Any material, which is, suspect for containing asbestos and which must be sampled to determine asbestos content, if any. Appendix G of the EPA Guidance Document 20T-2003 ("Green Book") contains a partial list of all suspect ACBM. Some common materials, which are, suspect ACBM include plaster, pipe insulation, floor tile, etc. Materials, which are not considered suspect, include fiberglass, wood, plastic, etc.

Thermal System Insulation (TSI): Any material applied to pipes, fittings, boilers, breaching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Transmission Electron Microscopy (TEM): Analytical method utilizing an electron microscope for the purposes of identifying and analyzing the concentration of airborne or bulk asbestos fibers and structures, if any. The TEM method distinguishes among asbestos and other materials and can detect smaller asbestos fibers than does the PCM or PLM method.

Visible Suspect ACBM Debris: Any debris, which contains either, asbestos containing or suspect ACBM particulate material that is visually detectable without the aid of instruments.

Appendix H

1997 Soil Gas Survey Report

106.2045 G97-0185 DSR

Daly
Environmental
Services

44 Briarwood, Irvine, California 92604-3754 Telephone/Fax (714) 857-6409

June 23, 1997

David Rasmussen
REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region (4)
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

SUBJECT: RESULTS OF A SOIL GAS SURVEY

RE: Dowty Aerospace, Inc.
1700 Business Center Drive
Duarte, California 91010-2859

Dear Mr. Rasmussen:

Daly Environmental Services is pleased to present the results of the soil vapor investigation at Dowty Aerospace, Inc., conducted in accordance to our workplan dated May 10, 1997.

1.0 BACKGROUND

1.1 SITE DESCRIPTION

Dowty Aerospace, Inc. (Dowty Aerospace), located at 1700 Business Center Drive in Duarte, California (Figure 1), manufactures various hydraulic parts for the aerospace industry. All plating is done off-site by subcontractors. The property is occupied by one building housing the administrative office, manufacturing facility, oil and solvent storage area, shipping area, and a small laboratory for testing. The site layout is shown in Figure 2.

Dowty Aerospace uses the following chemical degreasers during the manufacturing process:

Chemical	Contents	Qty Used
PemSolv	Ester, Ketone (45%), Benzene (0.02%)	100 - 150 gallons /60 to 80 days
Stoddard Solvent	Mineral Spirits	500 - 800 gallons/60 to 80 days
Isopropyl Alcohol	Isopropyl Alcohol	100 - 150 gallons /year

All waste solvents are centralized in aboveground storage tanks located in the oil-storage room, and hauled to a treatment facility by a licensed recycler.

1.2 GEOLOGY / HYDROGEOLOGY

Dowty Aerospace is located in the San Gabriel Valley, within the Transverse Range Geomorphic Province, at an elevation of approximately 485 feet above mean sea level (USGS, 1966). The San Gabriel Valley is bounded by the San Gabriel Mountains to the north, the Verdugo Mountains to the west; the Repetto, Merced, Puente Hills, and San Jose Hills to the southwest, south, and southeast. Geomorphic features in vicinity of the site include the Santa Fe Dam and Flood Control Basin 1,500 feet and 900 feet to the south, respectively; the San Gabrie River approximately 5,000 feet to the east; the Duarte Fault approximately 3/4 miles to the northeast; and, the San Gabriel Mountains approximately 4,000 feet to the north. Geomorphic features relative to the site are shown in Figure 1.

The ground surface in vicinity of the site slopes to the south. Subsequently, surface drainage is to the south. Maps from the California Department of Water Resources (CDWR, 1966), indicate approximately 735 feet of recent and older alluvium consisting of sand, gravel, and some silt underlie the subject site.

The Sierra Madre Fault system, which includes the Duarte Fault, transverse the north side of the San Gabriel Valley and affects the groundwater flow into the valley (CDWR, 1966). The Duarte Fault and an un-named fault create a normal stepping fault system which impedes the subsurface flow of water into the valley from the alluvial fill of the canyons along the mountain front. Groundwater subsequently cascades across the fault system.

Hydrogeologically, the site is located in San Gabriel Valley Groundwater Basin. Groundwater contour maps for 1966 and 1993 (CDWR, 1966; Los Angeles County Department of Public Works [LACDPW], 1993) indicate groundwater flows to the south-southwest at an elevation of approximately 240 feet MSL (or approximately 245 feet below ground surface). Contour maps indicate groundwater flowed to the southwest in 1933 and 1944. The change in groundwater flow regime may be due to increased pumpage of groundwater.

Groundwater pumpage maps from 1960 (CDWR, 1966) indicate the presence of two wells just 800 feet to the east-southeast, along the north boundary of the Santa Fe Flood Control Basin.

2.0 SOIL GAS SURVEY

2.1 OBJECTIVE

The objective of this investigation was to determine the presence or absence of chlorinated hydrocarbons in soil beneath the site. The method chosen to accomplish the objective was soil gas sampling and analysis.

2.1 SOIL GAS SURVEY

On June 12, 1997, *Daly Environmental Services* personnel installed soil vapor probes at the following locations and depths based on historic use and storage of solvents at the facility:

- ◊ Inside the oil-storage area: one probe to 5-feet below ground surface (bgs) on each side of the above-ground solvent tanks;
- ◊ Outside the oil-storage area along the facility west wall: one probe to 5 feet bgs. The workplan called for a 15-foot probe, however pipe refusal occurred at 5 feet;
- ◊ Adjacent to solvent drums on the walk way outside the oil-storage room: two probes to 5-feet bgs;
- ◊ Outside the laboratory wall (south wall of facility): one probe to 5 feet and one to 15-feet bgs. This location is also situated adjacent to a former underground waste-liquid tank;
- ◊ Along the sump gutter in the pump dock area: three probes to 3-feet bgs. The workplan called for two probes to 5 feet and one to 15 feet. However, severe subsurface conditions resulted in refusal at three feet and mutilation of probe rods. Subsequently, probes were set at three feet;
- ◊ Adjacent to the sump inside the pump dock area under the platform where waste-oil and solvent drums are stored: one probe to 1.5 feet as a result of refusal;
- ◊ Along the walk way in the pump dock area between Pemsolv and Stoddard Solvent parts-cleaning stations: one probe to 3 feet. Refusal prevented the installation of the probe to 5 feet bgs.

Sample point locations and depths are shown on Figure 2. Installation procedures are summarized in Appendix A.

2.1.1 Soil Gas Sampling

Soil gas sampling was conducted by HydroGeoSpectrum (HGS) of Los Angeles, California, in accordance with RWQCB's Guidelines for Active Soil Gas Investigations dated March 1996. Soil gas sampling methods are summarized in Appendix A.

2.1.2 Chemical Analysis

Soil gas samples were analyzed at HydroGeoSpectrum's laboratory for volatile organic compounds using EPA Methods 8010/8020.

2.1.3 Quality Assurrance and Quality Control Procedures

Several measures were taken to control and assure quality sampling and laboratory analysis procedures. Quality Assurrance and Quality Control procedures and results are attached as Appendix B. Results of the QA/QC measures indicated the integrity of the sample probes, sampling methods, and laboratory analysis were maintained.

2.2 Chemical Results

Chemical results for soil vapor samples collected at the subject facility indicated the presence of low concentrations of PCE in vicinity of the above ground solvent tanks in the oil-storage area, adjacent to the solvent storage drums outside the oil-storage area, and in vicinity of the former underground waste-storage tank. Chemical results are summarized below. A copy of the laboratory reports and chain-of-custody documents are attached as Appendix C.

Chemical Results for Soil Vapor Samples Collected June 12 and 13 1997
Dowty Aerospace, Inc.

Sample Location	Depth (feet)	PCE (µg/l)	Freon 113 (µg/l)	Other VOCs
SVP1-5	5	1.07	ND	ND
SVP2-5	5	ND	ND	ND
SVP3-5	5	ND	ND	ND
SVP4-5	5	2.18	ND	ND
SVP5-5	5	11.68	ND	ND
SVP5-15	15	12.01	ND	ND
SVP6-3	3	ND	ND	ND
SVP7-3	3	ND	ND	ND
SVP8-3	3	ND	ND	ND
SVP9-3	3	ND	ND	ND
SVP10-5	5	1.53	ND	ND
SVP11-2	2	1.68	2.15	ND

Notes:

µg/l - micrograms per liter (or parts per billion)
ND - not detected above the method detection limits

3.0 SUMMARY & CONCLUSIONS

- PCE was detected beneath the aboveground solvent storage tanks in the oil-storage room; adjacent to solvent drums outside the oil-storage room; outside the washroom (also adjacent to the former underground storage tank); and, adjacent to the sump in the oil-dock area.
- PCE concentrations ranged from 1.07 to 12.01 µg/l in collected soil vapors.
- Groundwater is estimated to be approximately 245 feet below ground surface.

Daly Environmental Services recommends **No further action** at this site at this time. The lack of significant concentrations beneath potential point sources; the PCE concentration range detected; and, depth to groundwater would indicate little to no threat to groundwater quality beneath the site.

If you have any questions regarding this workplan, please call me at (714) 857-6409.

Sincerely,
Daly Environmental Services

Ronald Halpern, R.E.A
California Registered Geologist No. 6645

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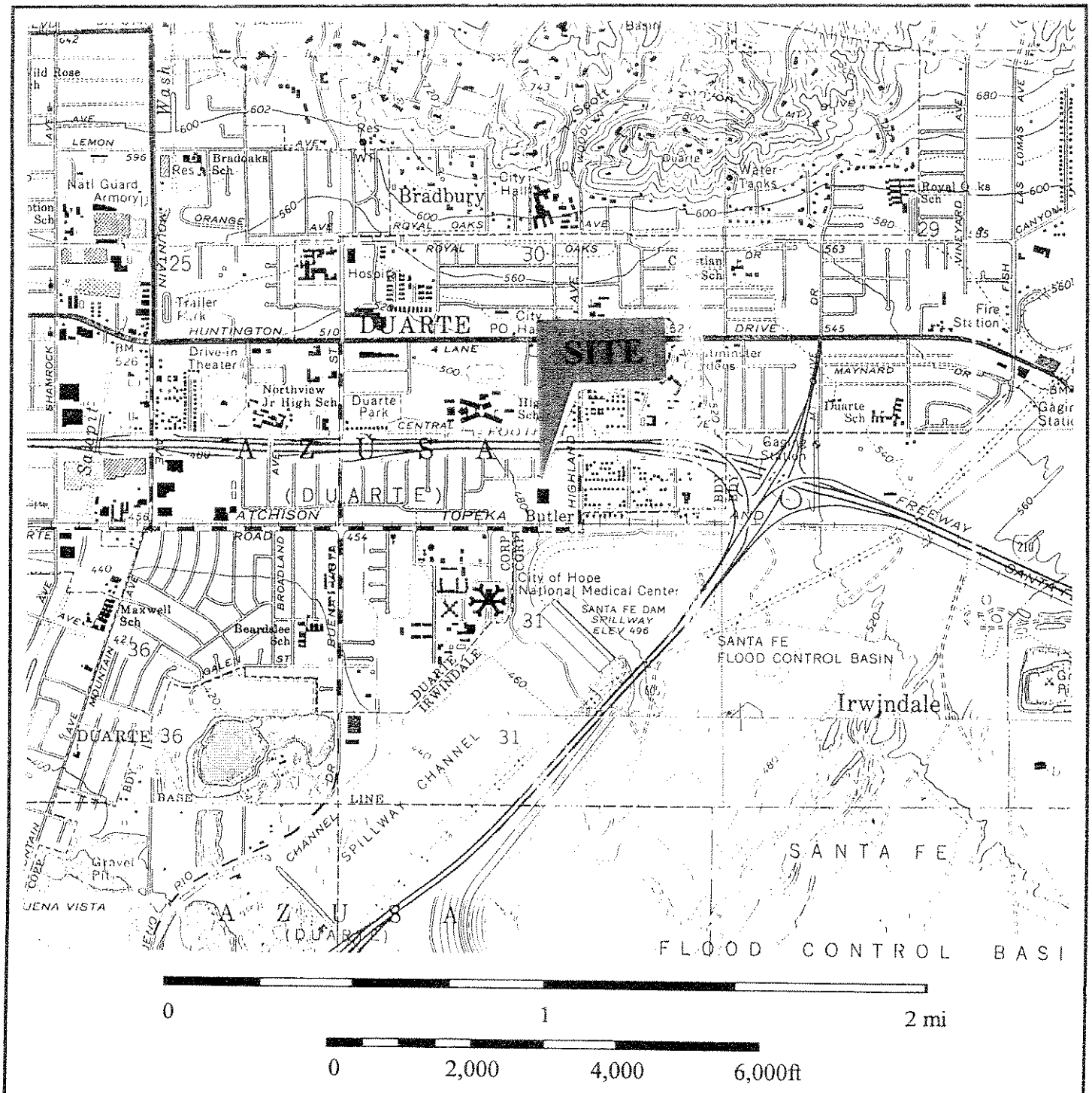
FIGURES



Source: USGS, 1966
Azusa and Baldwin Park - California Quadrangles
7.5-minute (topographic) series
Photorevised 1972 and 1981
Scale: 1" = 2,000 ft (1:24,000)

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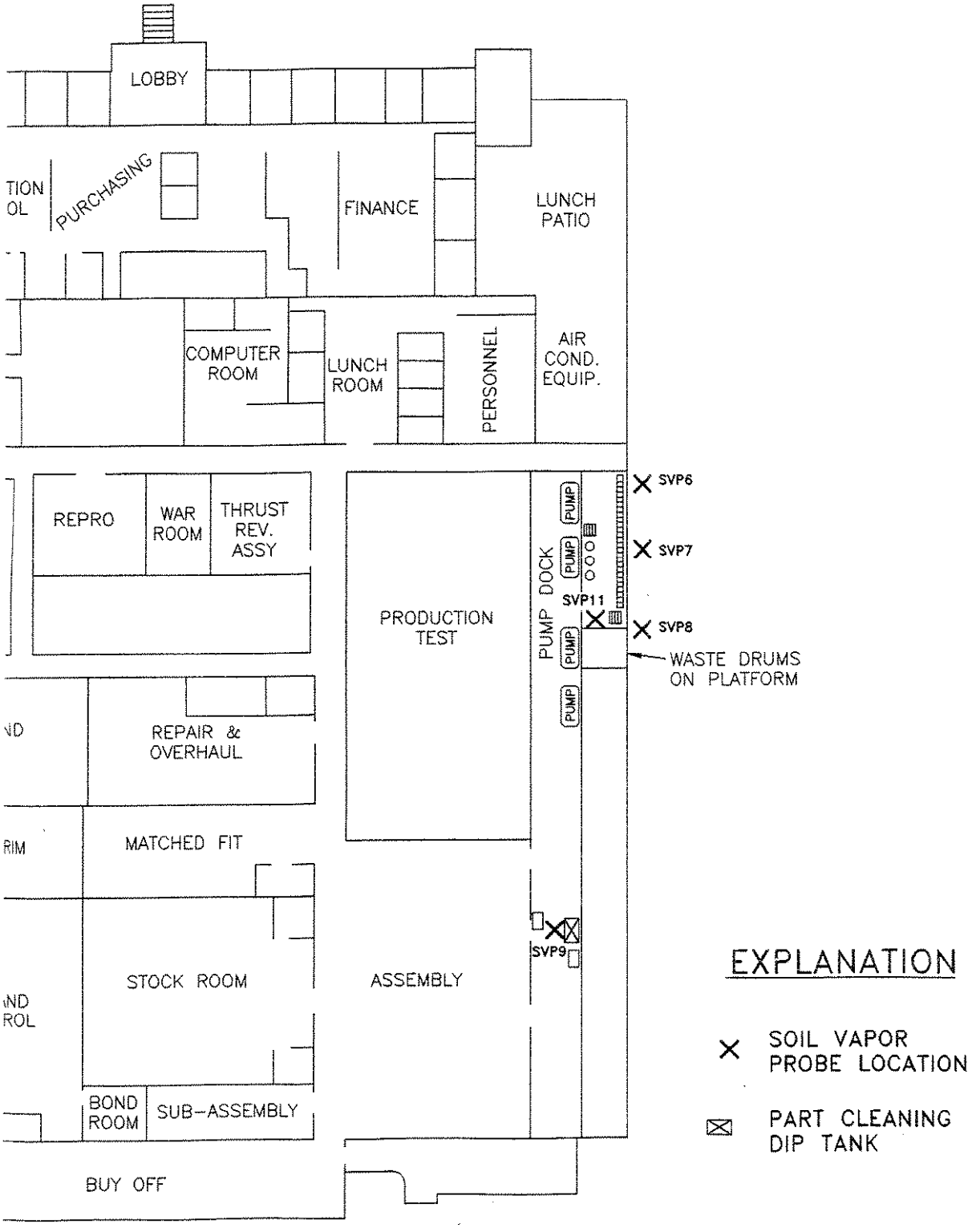
DALY ENVIRONMENTAL SERVICES

SITE LOCATION MAP
DOWTY AEROSPACE.
1700 Business Center Drive
Duarte, CA

Figure 1



EXPLANATION

- × SOIL VAPOR PROBE LOCATION
- ⊠ PART CLEANING DIP TANK

0 40 FEET

SCALE: 1"=40'
(APPROXIMATE)

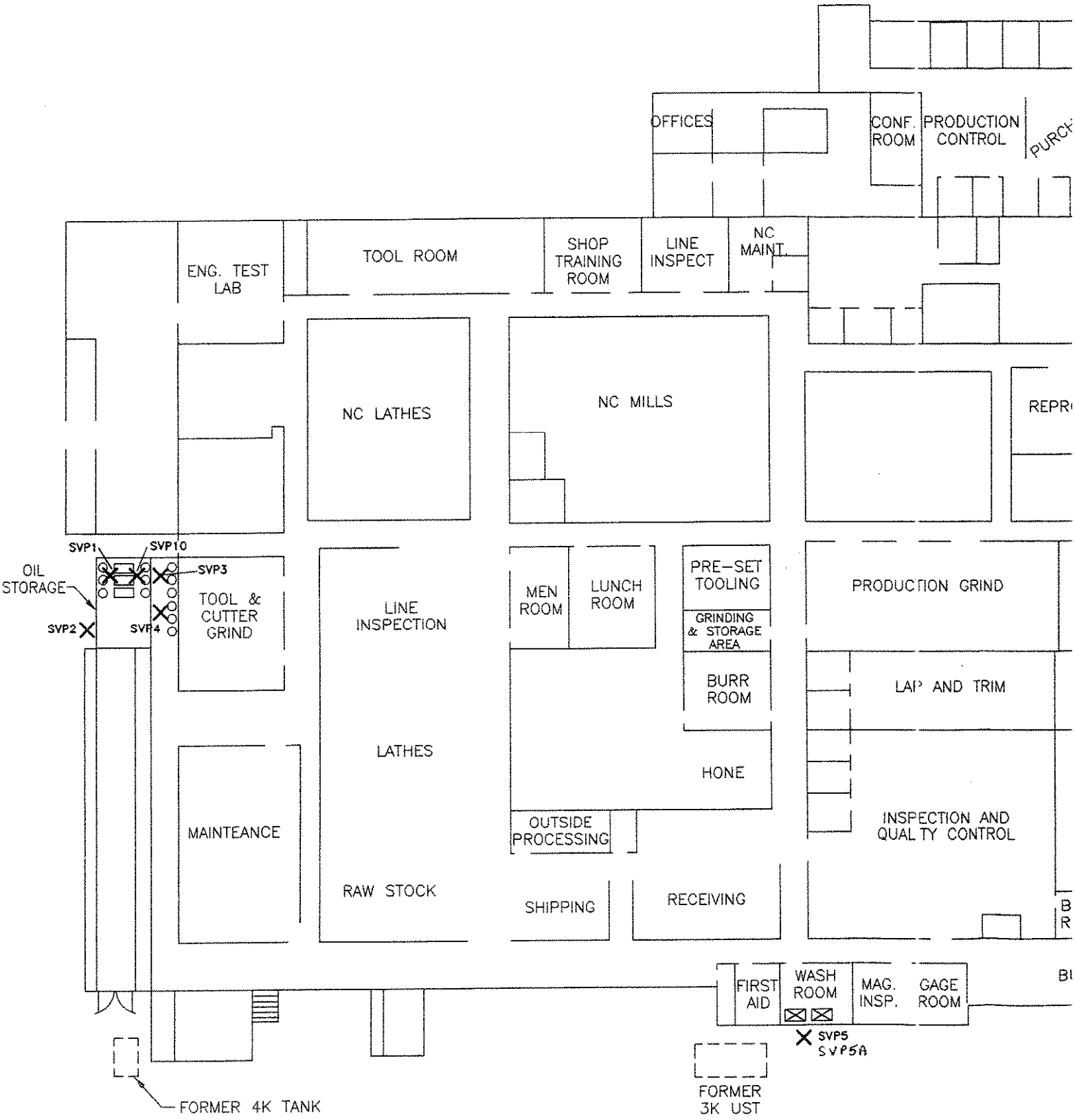
NORTH

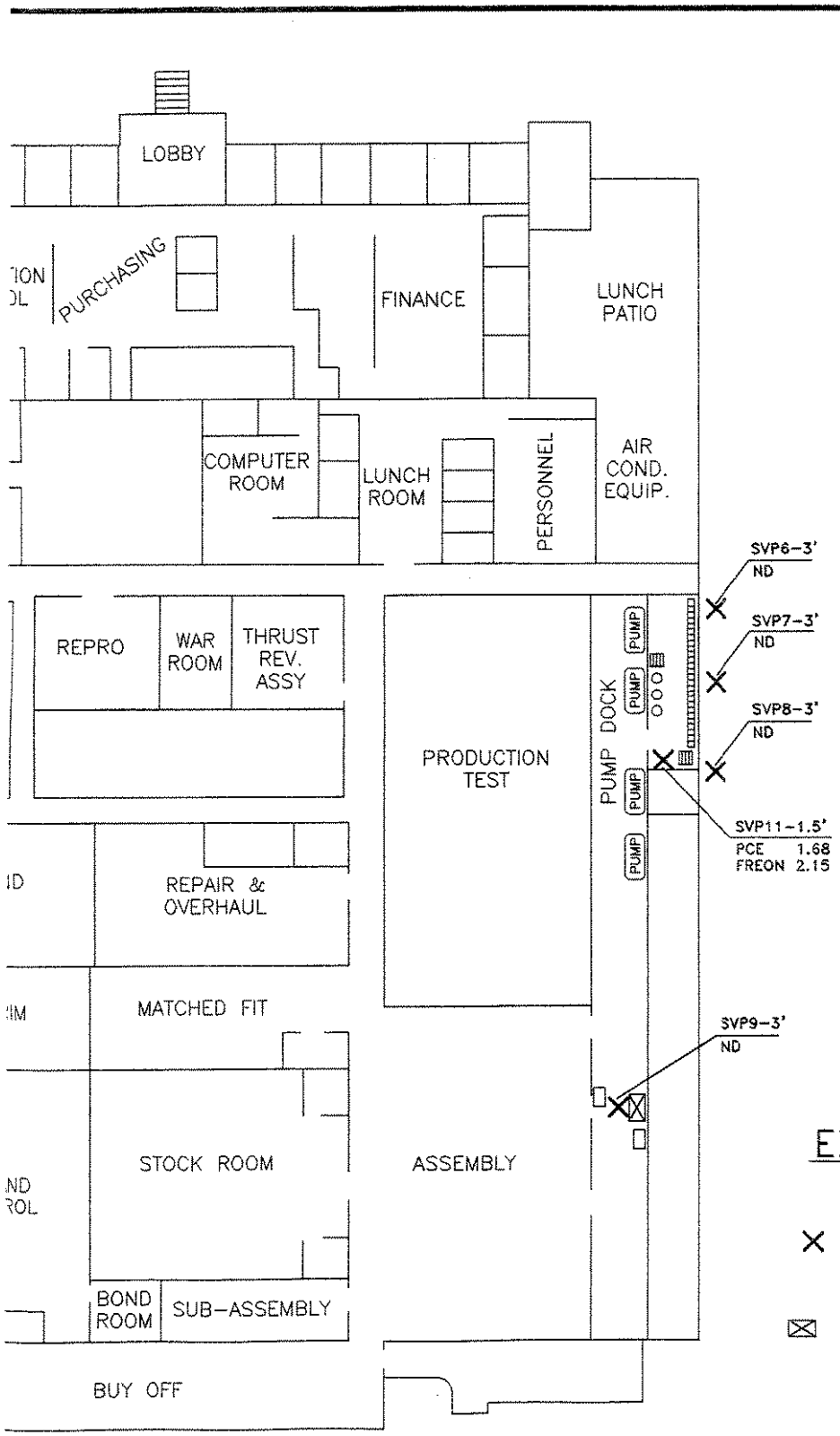
SITE MAP

DOWTY AEROSPACE
1700 BUSINESS CENTER DRIVE
DUARTE, CA.

FIGURE # 2
DRAWN BY: RJM
DATE: 04/97
JOB #

DALY ENVIRONMENTAL SERVICES


OFFICES
CONF. ROOM
PRODUCTION CONTROL
ENG. TEST LAB
TOOL ROOM
SHOP TRAINING ROOM
LINE INSPECT
NC MAINT.
NC LATHES
NC MILLS
SVP1
SVP10
SVP3
OIL STORAGE
SVP2
SVP4
TOOL & CUTTER GRIND
LINE INSPECTION
MEN ROOM
LUNCH ROOM
PRE-SET TOOLING
GRINDING & STORAGE AREA
PRODUCTION GRIND
BURR ROOM
LAP AND TRIM
LATHES
HONE
MAINTEANCE
OUTSIDE PROCESSING
INSPECTION AND QUALITY CONTROL
RAW STOCK
SHIPPING
RECEIVING
FIRST AID
WASH ROOM
MAG. INSP.
GAGE ROOM
SVP5
SVP5A
FORMER 4K TANK
FORMER 3K UST



EXPLANATION

× SOIL VAPOR PROBE LOCATION

⊠ PART CLEANING DIP TANK

0 40 FEET

SCALE: 1"=40'
(APPROXIMATE)

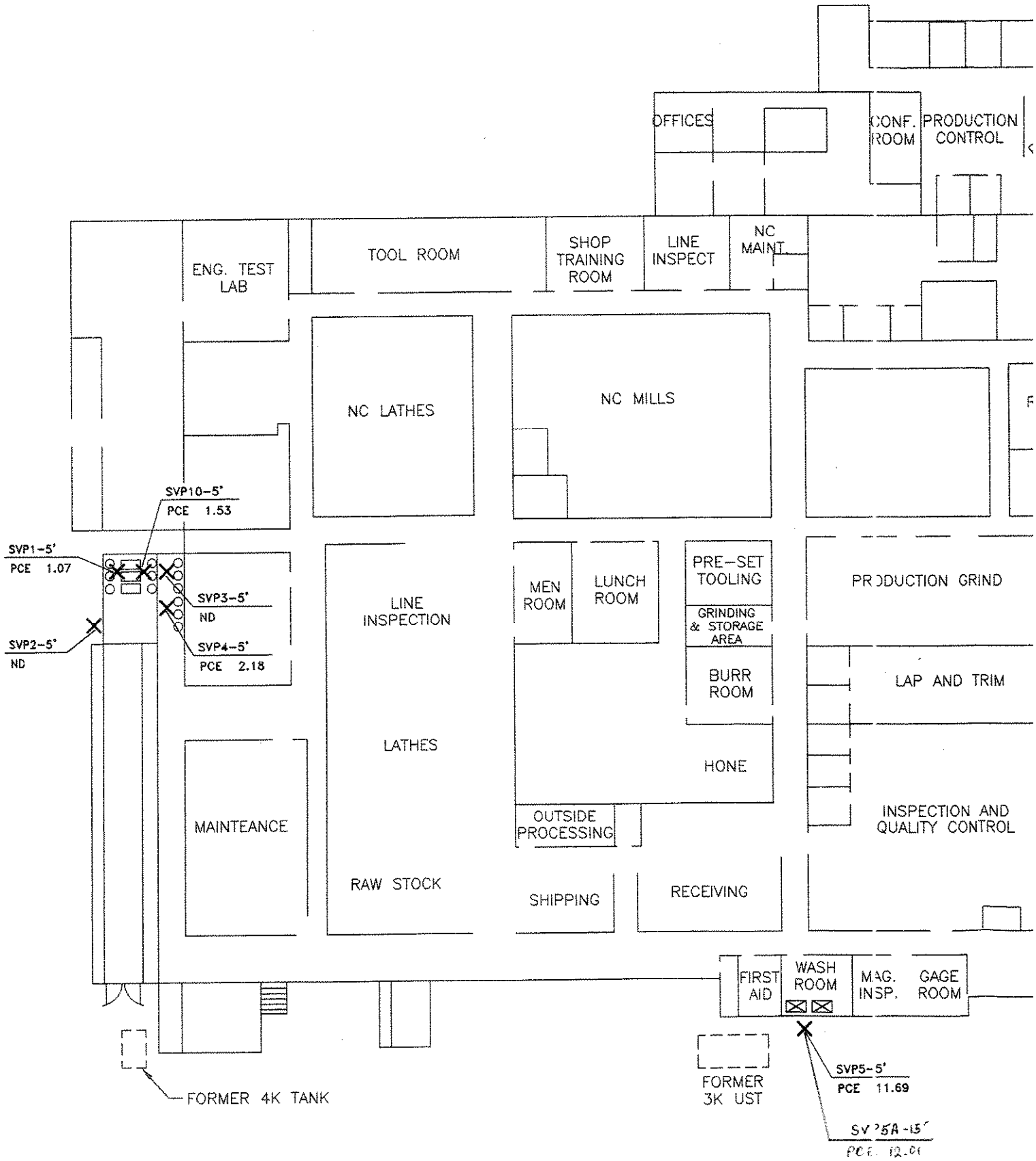
NORTH

VOC DISTRIBUTION MAP

DOWTY AEROSPACE
1700 BUSINESS CENTER DRIVE
DUARTE, CA.

FIGURE #	3
DRAWN BY:	RJM
DATE:	04/97
JOB #	

DALY ENVIRONMENTAL SERVICES


OFFICES
CONF. ROOM
PRODUCTION CONTROL
ENG. TEST LAB
TOOL ROOM
SHOP TRAINING ROOM
LINE INSPECT
NC MAINT.
NC LATHES
NC MILLS
SVP10-5'
PCE 1.53
SVP1-5'
PCE 1.07
SVP3-5'
ND
SVP2-5'
ND
SVP4-5'
PCE 2.18
LINE INSPECTION
MEN ROOM
LUNCH ROOM
PRE-SET TOOLING
GRINDING & STORAGE AREA
BURR ROOM
HONE
OUTSIDE PROCESSING
PRODUCTION GRIND
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LATHES
RAW STOCK
SHIPPING
RECEIVING
FIRST AID
WASH ROOM
MAG. INSP.
GAGE ROOM
FORMER 4K TANK
FORMER 3K UST
SVP5-5'
PCE 11.69
SVP5A-15'
PCE 12.01

APPENDIX A

Soil Vapor Probe Installation
and
Sampling Procedures

Pre-Installation Probe

Prior to installing the soil vapor probes, the proposed locations were probed for underground pipes or utilities to a depth of approximately 4 feet using a tile probe.

Soil-Vapor Probe Installation

Soil vapor probes are installed using a truck-mounted direct push-device (a *Meister Probe*), equipped with a hydraulic percussion hammer. One-inch diameter hollow steel rods are pushed to target depths using the MeisterProbe.

An expendable drive point/anchor is attached to the bottom-most probe rod prior to insertion. Once the target depth is reached, the probe is withdrawn approximately six inches to one foot, disengaging the drive point. A 1/4-inch diameter Polyethylene tube, with perforations along the bottom 12 inches, is inserted to the bottom of the hole inside the steel pipe. The rods are then retrieved leaving the tubing in the hole. Fine-grained sand is poured around the tube openings to approximately 2 inches above the perforations. The annulus is then grouted with granular bentonite hydrated in place to ensure a tight seal around the tube and reducing the chance of sampling ambient air. Vapor sampling is conducted after a period of at least one hour to allow for recovery of the subsurface vapor regime.

Soil-Vapor Sampling

The Polyethylene tubing is connected to a glass sampling bulb fitted with Teflon stopcocks and a vitron rubber sampling port. The bulb is connected in turn to a vacuum gauge, a flowmeter, and portable sampling pump in series. The entire sampling train is tested for leakage to prevent sampling ambient air.

Approximately 5 to 7 purge volumes of air are removed prior to sample collection. When purging procedures are completed, first the pump-end and then the probe-end sample cocks are closed in sequence. Once collected, the sample is labeled, injected with isotopically-labeled surrogate compounds, recorded on a chain-of-custody, and immediately transferred to HydroGeoSpectrum's laboratory for chemical analysis.

APPENDIX B

Q/A-Q/C Procedures
and
Evaluation

QUALITY ASSURANCE/QUALITY CONTROL EVALUATION

The purpose for the quality assurance (QA) procedures and collecting quality control (QC) samples is to acquire data to assess and document the effectiveness of probe-installation, field-sampling and laboratory-analysis procedures in producing accurate and precise analytical data. A description of the field QA procedures, QC sample types, and an evaluation of the analytical results of these samples for this project are presented in the following sections.

FIELD QA PROCEDURES

Sample-Train Leakage Test

Prior to sampling, the entire sampling train is tested for leakage to prevent sampling ambient air. Initially, both stopcocks in the sample train are closed. The absence of flow and the presence of a slight vacuum demonstrates that the pump-end side of the sampling train has no leaks. Then the first stopcock (pump end) is opened. The absence of flow demonstrates that the sampling bulb itself does not leak.

Annular-Seal Leakage Test

To ensure proper probe installation and sealing, a leakage test is performed during sampling procedures. The leakage test consists of placing a shallow container of analytical-grade pentane next to the top of the probe hole. The container and the entire sampling train are covered by a special trap. Pentane vapors fill the trap and surround the sampling train. The presence of analytical-grade pentane in the soil-vapor sample would indicate a leakage of ambient air down from the surface through the annular seal into the sample zone. If this occurs, the sample will be determined to be invalid and the probe will be reconstructed to prevent leakage.

Purge-Volume Test

A purge volume test is conducted after the first sample containing VOC concentrations is identified. The purge volume test is conducted to ensure that equilibrium soil vapor concentrations are being sampled. Ambient air may intrude into the sand pack and native pore spaces surrounding the probe during probe installation. Similarly, VOC vapors may accumulate in previousely installed probes. Unless these are purged prior to collecting the sample, the sample may not be representative. Soil vapor samples are collected from the probe, exhibiting VOC concentrations, at different purge volumes. Chemical results for the samples will be graphed as a function of the purge volume. The correct purge volume will be determined as the point at which concentrations stabilize.

FIELD QC SAMPLES

Field sampling procedures are evaluated by the use of field QC samples such as sample blanks and duplicate field samples.

Sample Blank - A sample blank is a sample of contaminant-free air injected with the same surrogate compounds as the other samples. The sample blank was collected from outside the facility. The purpose of a sample blank is to ensure proper decontamination and handling procedures.

Duplicate Field Sample - A duplicate field sample is a second or replicate sample of the same matrix collected at the same sample location and at the same time as the field sample. The purpose of a duplicate field sample is to assess the effectiveness (precision) of the field sampling procedures and the sample preparation and analytical procedures of the laboratory in producing acceptable replicate results. The Relative Percent Difference (RPD) is an estimate of the precision of duplicate measurements. The RPD is calculated using the following equation:

$$RPD = \frac{[\text{Sample Result} - \text{Duplicate Sample Result}]}{[(\text{Sample Result} + \text{Duplicate Sample Result})/2]} \times 100$$

The RPD is compared to acceptable limits (windows) established by matrix for each constituent. These limits are only advisory at this time. However, frequent failure to meet these limits would warrant corrective action.

LABORATORY QC PROCEDURES

Analytical procedures are evaluated by the laboratory by conducting equipment calibration, analyzing a laboratory control standard, a daily standard, and generating a surrogate calibration curve in accordance with Los Angeles Regional Water Quality Control Board and HydroGeoSepectrum requirements.

An initial seven-point calibration was run on March 24, 1997. The surrogate calibration curves were run and the daily standard analyzed on June 12 and 13, 1997. Results of the calibration, surrogate calibration curves and chemical results for the daily standard are included in the Analytical Report attached as Appendix C. The following additional procedures were conducted on the day of sampling to ensure accurate analytical data.

Upon collection of each soil-vapor sample, approximately 5 to 25 nanograms (ng) each of deutero-chloroform, deutero-methylene chloride, deuterated-tetrahydrofuran, deutero-acetone and deutero-benzene are introduced through the vitron rubber septum into the sampling bulb. The recovery of these isotopically-labeled surrogate compounds is used to determine if the bulbs remained leak-free between sample collection and analysis.

- A recovery of 90% deuterated-benzene and deuterated chloroform is desirable. A recovery of less than 75% invalidates the sample;

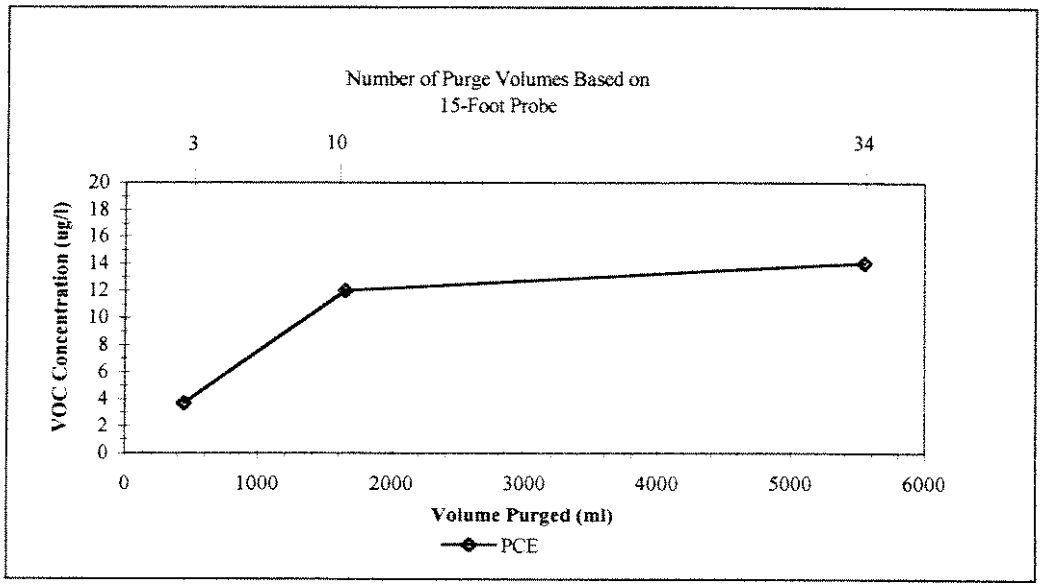
Deuterated-acetone is added as a measure of water vapor in the sampling and analysis systems. A recovery of greater than 70% is acceptable, although levels of the water-soluble compounds (ketones) may be affected.

EVALUATION RESULTS

Sample-Train Leakage Test: Sample trains were determined not to leak prior to collecting the samples.

Annular-Seal Leakage Test: Analytical-grade isopropanol was not detected in any of the samples. All annular seals are therefore competent.

Purge Volume Tests: Approximately 10 purge volumes (1,630 ml) were required to attain equilibrium concentrations for a sample collected at a depth of 5 feet below ground surface. At least ten (10) purge volumes were used for this investigation.



Graph 1 - Purge Volume Test - Dowty Aerospace. Soil Gas Point SVP5-15' feet bgs

Sample Blank: No VOCs were detected in the sample blank.

Duplicate Sample: A duplicate sample was collected from SVP-2-5 at 5 feet below ground surface. The relative percent difference (RPD) for VOCs between the field sample and the duplicate sample were calculated and is presented below.

RELATIVE PERCENT DIFFERENCE

SAMPLE NUMBER	PCE				
SVP-2-5	ND				
Duplicate	ND				
RPD	0				

The RPD for PCE did not exceed the ±20% advisory limits for duplicate samples.

Surrogate Recovery: All surrogate compounds were recovered in acceptable percentages.

CONCLUSIONS:

All QA/QC results indicate the integrity of the samples were maintained and that the accuracy and precision of the analyses were acceptable.

APPENDIX G5
2018 Phase II ESA for Woodward 1700 Business Center Drive

Phase II Environmental Site Assessment Report

Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

July 2018

Prepared for:

Woodward, Inc.
1000 East Drake Road
Fort Collins, CO 80525-1824

Prepared by:

Catalyst Environmental Solutions
315 Montana Avenue, Suite 311
Santa Monica, CA 90403
Tel 805 844 0205
www.ce.solutions

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Figures

Appendices

Document Information

Prepared for:	Woodward, Inc.
Project Name:	Woodward HRT Facility Phase II Environmental Site Assessment Report
Site Address:	1700 Business Center Drive, Duarte, CA
Project Manager:	David Blankenhorn, PG
Date:	July 31, 2018

Professional Certification

Phase II Environmental Site Assessment Report

Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

This report has been prepared by Catalyst Environmental Solutions under the professional supervision of the Principal(s) and/or staff whose signature(s) appear hereon.

The scope of work and specifications are presented in accordance with generally accepted professional geologic practice. There is no other warranty either expressed or implied.

David Blankenhorn, P.G.
State of California Professional Geologist #7009

07/31/18
Date

SECTION 1 Introduction

Catalyst Environmental Solutions (Catalyst) has prepared this report to document the Phase II Environmental Site Assessment (Phase II ESA) conducted at the Woodward HRT Facility (site) located at 1700 Business Center Drive in Duarte, California (Figure 1). The Phase II ESA was conducted between July 5-6, 2018 and involved the installation of six soil borings (CSB-1 through CSB-6) and the collection of 12 soil samples for laboratory analysis. The objective of the scope of work was to further investigate the Recognized Environmental Conditions (RECs) identified in the June 2018 Phase I ESA for the site (Catalyst 2018). Specifically, the soil boring locations and the associated RECs are as follows:

- **CSB-1 and CSB-2** were installed to assess potential impacts in the vicinity of the trench drain in the pump room area (East Dock) which collects overflow and leaking oil from the pumping system. This issue was identified as a REC given the documented impacts in soil gas from a 1997 soil gas survey and the potential for subsurface impacts associated with the significant staining and cracks in the concrete surrounding the drain.
- **CSB 3 and CSB-4** were installed to assess potential impacts in the vicinity of the three transformers located in the southeast corner of the facility. Visible staining was observed on the sides of the transformers in April 2018. The transformers are not labelled as to polychlorinated biphenyl (PCB) content, and no PCB testing has reportedly been conducted on the transformers.
- **CSB-5 and CSB-6** were installed in the reported vicinity of two former underground storage tanks (USTs). The two, waste oil USTs were reportedly removed from the site in December 1985. No records of the UST removal activities have been identified. Accordingly, the scope of work involved conducting a subsurface geophysical survey in the reported vicinity of the former USTs to determine if they are present at the site and installing one soil boring adjacent to each of the former UST locations (two total soil borings) to determine if subsurface impacts are present.

In addition to the soil borings, the scope of work involved investigating the current status and condition of the former drainage infrastructure inside the facility which was reportedly abandoned by filling with concrete.

The remainder of this report is organized as follows:

- Section 2.0 presents a description of the site and its environmental setting;
- Section 3.0 discusses the environmental activities conducted at the site to date;
- Section 4.0 presents the site assessment methods;
- Section 5.0 discusses site assessment results;
- Section 6.0 provides a summary of findings; and,
- Section 7.0 presents the references used in this document.

SECTION 2 Site Description and Environmental Setting

This section provides an overview of the site and its environmental setting.

2.1 SITE DESCRIPTION AND BACKGROUND

The site is located at 1700 Business Center Drive in Duarte, California and is situated in the San Gabriel Valley near the intersection of Interstate 210 and Interstate 605 (Figure 1). The property is comprised of an approximately 9-acre parcel that includes a two-story office building (approximately 11,000-square feet) that is connected to a one-story, approximately 106,000-square foot manufacturing facility surrounded by asphalt-paved parking (Figure 2). The site is situated in a mixed-use commercial and residential area.

The site was developed in 1964 and has been used for manufacturing hydraulic actuation systems since that time. Operations include the design, development, and manufacturing (including machining, cleaning, and assembly) of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems.

2.2 TOPOGRAPHY

The site is depicted on the United States Geological Survey - Azusa, California Topographic Quadrangle, and is located within Section 31, Township 1 North, Range 11 West. The property is situated at an elevation of approximately 486 feet above mean sea level within the San Gabriel Valley, which is bounded by the San Gabriel Mountains to the north, and the Repetto, Merced, and Puente Hills to the south and west. The site is generally flat with a slight slope to the west.

2.3 GEOLOGY/SOILS

The San Gabriel Valley is located within the northeastern block of the Los Angeles Basin in the Transverse Ranges Geomorphic Province. The basin is bounded by the Raymond fault and the San Gabriel Mountains to the north; the Repetto, Merced, and Puente Hills to the south and west; and, the Chino and San Jose faults to the east. The geology in the San Gabriel Basin is dominated by unconsolidated to semi-consolidated alluvium deposited by streams flowing out of the San Gabriel Mountains. These deposits include Pleistocene and Holocene (10,000 years ago to the present) alluvium and the lower Pleistocene San Pedro Formation (DWR, 1966). The Upper Pleistocene alluvium deposits form alluvial fans along the San Gabriel Mountains. The San Pedro Formation is characterized by its interbedded marine sand, gravel, and silt (DWR, 1966). The primary native soil types in the San Gabriel Basin area are sandy loam, silt loam, and clay loam. Soil at the site is classified as “Urban Land”.

The subsurface lithology encountered during prior investigation activities conducted at the site consisted of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles to 150 feet below ground surface, the maximum depth explored (MWH 2013).

2.4 HYDROLOGY/HYDROGEOLOGY

The Rio Hondo and San Gabriel Rivers drain the San Gabriel Valley basin through the Whittier Narrows, a gap between the Merced and Puente Hills to the southwest (DWR, 2004). The nearest surface water

body and wetland area to the site is the Santa Fe Dam Spillway which is located approximately 500 feet to the south. Regional surface drainage at the site is towards the southwest.

The San Gabriel Valley Groundwater Basin covers a total of 255 square miles and has a storage capacity of 10.8 million acre-feet of groundwater. The basin consists of an unconfined aquifer, and groundwater elevations generally follow the topographic slope of the basin, with groundwater flowing from the edges of the basin towards the center, then towards the southwest to exit through the Whittier Narrows (DWR, 2004). Depth-to-groundwater at the site is not known, but, based on groundwater elevations at properties in the vicinity, it is estimated to be at least 150 feet below ground surface (MWH 2013). Groundwater flow direction at the site is not known but is assumed to be south toward the San Gabriel River.

SECTION 3 Previous Environmental Assessment Activities

This section discusses the previous environmental assessment activities conducted at the site.

3.1 SOIL GAS SURVEY - 1997

A soil gas survey was conducted at the site in June 1997 (Daly Environmental Services 1997). The objective of the survey was to determine whether chlorinated hydrocarbons were present in the subsurface at the property. The survey involved the collection of 12 soil gas samples at depths between 2 and 15 feet below ground surface (bgs). The soil gas sample results indicated detectable concentrations of tetracholorethylene (PCE) in six soil gas samples at concentrations ranging between 1.07 and 12.01 ug/l. The highest concentrations were found in the southern portion of the property adjacent to the former 2,000-gallon UST. Freon 113 was also detected in one sample at 2.15 ug/l. The soil gas survey report recommended "No Further Action" and was submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB). No additional information is available regarding the soil gas survey or response from the LARWQCB.

3.2 PHASE II ENVIRONMENTAL SITE ASSESSMENT - 2011

In 2011, a Phase II Environmental Site Assessment (MWH 2011) was conducted to investigate the potential for environmental impacts to groundwater and soil media at the site as a follow-on assessment to a Phase I Environmental Site Assessment that was conducted in 2009 (MWH 2009). The assessment included the installation of 19 soil borings to a maximum depth of 40.5 feet bgs and the collection of up to 3 soil samples from each soil boring (at the near surface, mid-depth, and boring terminus) for a total of 51 soil samples, including 6 duplicate samples. The soil samples were analyzed for: priority pollutant metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, tin and zinc) by USEPA Method 6010/6029/7000; volatile organic compounds (VOCs) by USEPA Method 8260B; semi-volatile organic compounds (SVOCs) by USEPA Method 8270C; and, polychlorinated biphenyls (PCBs) by USEPA Method 8082. The assessment results indicated the following:

- fourteen metals were detected in one or more of the soil samples. Of these, the detected concentrations of antimony, arsenic, barium, copper, lead, mercury, and molybdenum in selected samples exceeded their respective USEPA Regional Screening Levels (RSLs) for protection of groundwater.
- arsenic was detected above the California Environmental Office of Environmental Health Hazard Assessment (OEHHA) screening level in all of the soil samples with concentrations ranging between 1 and 11 mg/kg. Since the detections at the site were ubiquitous both in aerial and vertical extent, the detected concentrations were considered most likely representative of background levels for the site.
- nine VOCs were detected in 12 of the 51 soil samples analyzed. The detected concentrations of 1, 1-dichloroethene, naphthalene, and tetrachloroethene in selected samples exceeded USEPA Regional Screening Levels RSLs for protection of groundwater.

- three SVOCs were detected in 9 of the 51 soil samples analyzed. The detected concentrations did not exceed applicable screening levels.
- One PCB, Aroclor 1254, was detected in one of the soil samples analyzed, and the concentration exceeded the USEPA RSL for protection of groundwater.

The Phase II Environmental Site Assessment did not recommend any additional follow-up work as "there were no defined sources identified at the site and only USEPA RSLs for protection of groundwater were exceeded', so the detected compounds were not considered to pose a significant concern. A copy of this report is provided in Appendix A.

3.3 EAST DOCK SOIL INVESTIGATION AND REMEDIATION – 2012-2013

In July 2012, soils impacted by petroleum hydrocarbons and tributyl phosphate were discovered in the East Dock area of the site. Subsequently, a soil investigation was conducted in August 2012 (MWH 2012). The results indicated concentrations of petroleum hydrocarbons and tributyl phosphate above applicable cleanup criteria. Accordingly, in November 2012, soil remediation was conducted to remove approximately 50 cubic yards of impacted soil. Follow-up site assessment activities were conducted in February and March 2013 (MWH 2013). The results of the soil removal and additional investigation were used to support a request for closure which was subsequently approved by the California Department of Toxic Substances Control as indicated in their "No Further Action" letter dated July 17, 2014.

SECTION 4 Phase II Environmental Site Assessment Methods

This section describes the methods used to conduct the Phase II ESA.

4.1 PERSONNEL AND PROCEDURES

All environmental work was performed under the supervision of a Catalyst field environmental scientist. This person collected soil samples, coordinated delivery of the samples to a certified analytical laboratory, and oversaw all phases of the work including managing subcontractors, maintaining soil boring logs, data analysis, and report preparation. All field procedures (e.g., permitting, sampling protocol, chain-of-custody, preparation of a Health and Safety Plan, etc.) followed Los Angeles County and State of California guidelines at the time the work was performed.

4.2 SITE SAFETY

A site Health, Safety, and Environmental Plan (HSE) was developed in conformance with the Occupational Safety and Health Administration (OSHA) guidelines set forth in "Hazardous Waste Operations and Emergency Response" (29 CFR 1910.120). This plan was reviewed and signed by all Catalyst personnel and subcontractors performing work on the site. A copy of the plan was present onsite at all times and kept in an easily accessible location.

4.3 PERMITTING

Prior to implementing the site assessment activities, a soil boring permit was obtained from the Los Angeles County Public Health Department (Permit No. SR0150137). The installation and abandonment of the soil borings followed the requirements of the permit. A copy of the permit is provided in Appendix B.

4.4 SUBSURFACE GEOPHYSICAL SURVEY AND UTILITY LOCATION CLEARANCE

A geophysical survey using ground penetrating radar (GPR) and a magnetometer was conducted to determine whether the two, former USTs were present at the site. In addition, the subsurface survey equipment was used to identify potential subsurface infrastructure in the vicinity of the proposed soil borings to ensure that no underground piping or other infrastructure were present. A copy of the geophysical survey report is provided in Appendix C.

DigAlert was also notified 48-hours prior to the start of work activities (Ticket #A181780711-00A). During the drilling, the soil boring locations were cleared to 5 feet bgs using a hand tools to help safeguard field workers, the public, and infrastructure from the hazards posed by subsurface tanks and/or utilities.

4.5 SOIL BORING INSTALLATION PROCEDURES

Six soil borings (CSB-1 through CSB-6) were advanced to a total depth of 15 feet bgs by Cascade Drilling, a State of California licensed driller (C-57 License No. 938110), using a hollow stem auger drill rig. The borings were continuously-cored, and the soil cores were described according to the Unified Soil Classification System by a Catalyst environmental scientist. A soil boring log was prepared for each boring to describe and characterize the encountered lithology. The soil cores were also field screened for potential impacts approximately every two-feet using visual and olfactory observations as well as photoionization detector (PID) readings.

Prior to and following all field activities at the site including each soil boring location, equipment and tools were properly decontaminated using a triple wash system or steam bath to remove dirt and other particles carrying potential contaminants.

4.6 SOIL SAMPLE COLLECTION AND ANALYSIS

Two samples from each boring (12 total samples) were selected for laboratory analysis. The selected soil samples were collected from either the soil zone exhibiting the highest potential impacts based visual and olfactory observations and/or PID readings or 5 feet bgs, and from the bottom of each soil boring at 15 feet bgs. Soil samples selected for laboratory analysis were analyzed for the following analytes:

- Total petroleum hydrocarbons total as gasoline (TPH-g [C_4-C_{12}]), total petroleum hydrocarbons as diesel (TPH-d [C_{13}-C_{22}]), and total petroleum hydrocarbons as heavy oil (TPH-ho [C_{23}-C_{40}]) by EPA Method 8015M;
- Volatile organic compounds (VOCs) by EPA Method 8206B/5035;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- California Title-22 metals (CAM 17 metals) by EPA 6010/7000; and,
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082 (only for samples collected from CSB-3 and CSB-4 which were installed adjacent to the transformers).

The samples selected for VOCs and TPH-g analysis were collected using EPA Method 5035 which uses a closed-system purge-and-trap process for the analysis of VOCs in solid materials. This method is specifically designed to minimize handling and reduce the soils potential for volatilization during collection. Soil samples analyzed for TPH, SVOCs, metals, and PCBs were collected into an 8-ounce glass jar supplied by the laboratory.

All sample containers were labeled using a waterproof marker, and sample labels included the sampler's initials, location identification, and time. All samples were placed in individual Ziploc-type bags, sealed, and stored in coolers on ice to maintain samples at 4°C prior to and during shipment to the analytical laboratory. Ice was sealed in double plastic bags. A chain-of-custody manifest was completed onsite and accompanied the samples to the lab. The samples were transferred to American Analytics, a State of California certified laboratory, within 24-hours of collection.

4.7 WASTE MANAGEMENT

Waste generated during drilling was contained in US Department of Transportation (DOT) approved 55-gallon drums. The drums are clearly labeled with generator contact and phone number, drilling location(s), and date of generation. The drums are temporarily stored onsite while arrangements are made to transport them offsite for disposal in accordance with applicable state and federal regulations.

SECTION 5 Phase II Environmental Site Assessment Results

This section discusses the Phase II ESA results.

5.1 ENCOUNTERED LITHOLOGY

Soils encountered during the site assessment activities primarily consisted of silty to gravelly sand from the ground surface to the total depth of exploration at 15 feet bgs. Groundwater was not encountered during the investigation. The soil boring logs for each soil boring location are provided in Appendix D.

5.2 SITE ASSESSMENT RESULTS

The following site assessment results are organized with respect to the RECs that they were developed to further investigate. The soil boring locations are shown in Figure 2, and a copy of the laboratory analytical report is provided in Appendix E.

5.2.1 Trench Drain in the Pump Room Area (East Dock)

Soil borings CSB-1 and CSB-2 were installed to assess potential subsurface impacts in this area. Soil samples were collected at depths of 8 and 15 feet bgs in CSB-1, and at depths of 5 and 15 feet bgs in CSB-2. The TPH results for CSB-1 indicated detectable concentrations of TPH-o at 8.0 mg/kg in CSB1-8 and 2.4 mg/kg in CSB1-15. These detections are both below applicable LARWQCB and San Francisco Regional Water Quality Control Board (SFRWQCB) screening levels as shown in Table 1. No VOCs or SVOCs were detected in the samples collected from CSB-1. The detected concentrations of metals in the samples collected from CSB-1 were all below applicable screening levels as indicated in Table 2.

In CSB-2, TPH was not detected above the method detection limit, and no VOCs or SVOCs were detected above the method detected limit as shown in Table 1. In addition, the detected concentrations of metals in the samples collected from CSB-2 were all below applicable screening levels as indicated in Table 2.

5.2.2 Transformers

Soil borings CSB-3 and CSB-4 were installed to assess potential subsurface impacts in the vicinity of the transformers. Soil samples were collected at depths of 6 and 15 feet bgs in CSB-3, and at depths of 10 and 15 feet bgs in CSB-4. In CSB-3, the only detected non-metal analytes were TPH-GRO at a concentration of 1.0 mg/kg in the sample collected at 6 feet bgs and acetone at a concentration of 0.050 mg/kg in the sample collected at 15 feet bgs. Both of these detections are below applicable LARWQCB and SFRWQCB screening levels as indicated in Table 1. The detected concentrations of metals in the samples collected from CSB-3 were all below applicable screening levels as indicated in Table 2.

In CSB-4, TPH was not detected above the method detection limit, and no PCBs, VOCs, or SVOCs were detected above the method detected limit as shown in Table 1. In addition, the detected concentrations of metals in the samples collected from CSB-4 were all below applicable screening levels as indicated in Table 2.

5.2.3 Former USTs

A geophysical survey was conducted over a broad area in the vicinity of the identified locations of the former USTs as shown in Figure 2. The survey did not identify the USTs or any anomalies in these areas. Accordingly, based on the available information, it appears the USTs have likely been removed from the site as reported in historical information for the site. A copy of the geophysical survey report is provided in Appendix C.

Soil boring CSB-5 was installed in the vicinity of the former UST situated in the south-central portion of the site, and soil boring CSB-6 was installed in the vicinity of the former UST situated near the southwest corner of the existing building. TPH, VOCs, and SVOCs were not detected above the method detection limit in either of the soil samples collected from CSB-5 as shown in Table 1, and the detected metal concentrations were all below applicable screening levels as indicated in Table 2.

In CSB-6, the analytical results for the sample collected at 6 feet bgs indicate concentrations of TPH-d and TPH-o at 13.8 mg/kg and 243 mg/kg, respectively. TPH-o was detected at a concentration of 25.5 mg/kg in the sample collected at 15 feet bgs. These detected concentrations are all below applicable LARWQCB and SFRWQCB screening levels as shown in Table 1. No VOCs or SVOCs were detected above the method detection limit in either of the samples collected from CSB-6. In addition, the detected concentrations of metals in the samples collected from CSB-6 were all below applicable screening levels as indicated in Table 2.

5.2.4 Former Drainage Infrastructure

In the June 2018 Phase I ESA (Catalyst 2018), the former drainage infrastructure inside the facility was identified as a REC given the lack of information on the current status of the drains and the potential for subsurface impacts associated with leakage through cracks, joints, and connections in the drainage infrastructure. Accordingly, the Phase II ESA included further investigation of this infrastructure. Based on anecdotal information from site personnel, the former infrastructure was abandoned by filling with concrete and is no longer used for drainage. During the field activities, a former floor drain associated with the drainage infrastructure was identified and found filled with concrete which appears to confirm the information reported from site personnel.

The 2011 Phase II investigation conducted at the site (MWH 2011) included 3 soil borings that appear to be situated in the vicinity of the former drainage infrastructure along the western side of the building, specifically SB-3 and SB-11 in the southwestern corner of the building and SB-14 in the northwestern corner of the building. The analytical results for soil samples collected from these borings were all below applicable screening levels. A copy of the 2011 Phase II ESA is provided in Appendix A and includes a figure showing the soil boring locations (Figure 2) as well as a table of the analytical results (Table 1).

SECTION 6 Summary of Findings

The Phase II ESA involved in the installation of six soil borings (CSB-1 through CSB-6) and the collection of 12 soil samples (two samples from each boring) for laboratory analysis. The objective of the assessment was to further assess potential impacts associated with the RECs identified in the June 2018 Phase I ESA (Catalyst 2018), and the findings indicate the following:

- **Trench Drain in the Pump Room Area (East Dock)** – no analytes were detected above applicable regulatory screening levels in the soil samples collected from the two soil borings installed in adjacent to the trench drain.

- **Transformers** - no analytes were detected above applicable regulatory screening levels in the soil samples collected from the two soil borings installed adjacent to the transformers.

- **Former USTs** – the geophysical survey in the reported locations of the former USTs did not identify the USTs or any anomalies in these areas. Accordingly, based on the available information, it appears the USTs have likely been removed from the site as reported in historical information for the site. In regard to the soil sampling, no analytes were detected above applicable regulatory screening levels in the soil samples collected from the borings installed in the reported locations of the former USTs.

- **Former Drainage Infrastructure** - based on anecdotal information from site personnel, the former infrastructure was abandoned by filling with concrete and is no longer used for drainage. During the field activities, a former floor drain associated with the drainage infrastructure was identified and found filled with concrete which appears to confirm the information reported from site personnel. Further, the 2011 Phase II investigation conducted at the site (MWH 2011) included the installation of 3 soil borings that appear to be situated in the vicinity of the former drainage infrastructure along the western side of the building, specifically SB-3 and SB-11 in the southwestern corner of the building and SB-14 in the northwestern corner of the building. The analytical results for soil samples collected from these borings were all below applicable screening levels.

SECTION 7 References

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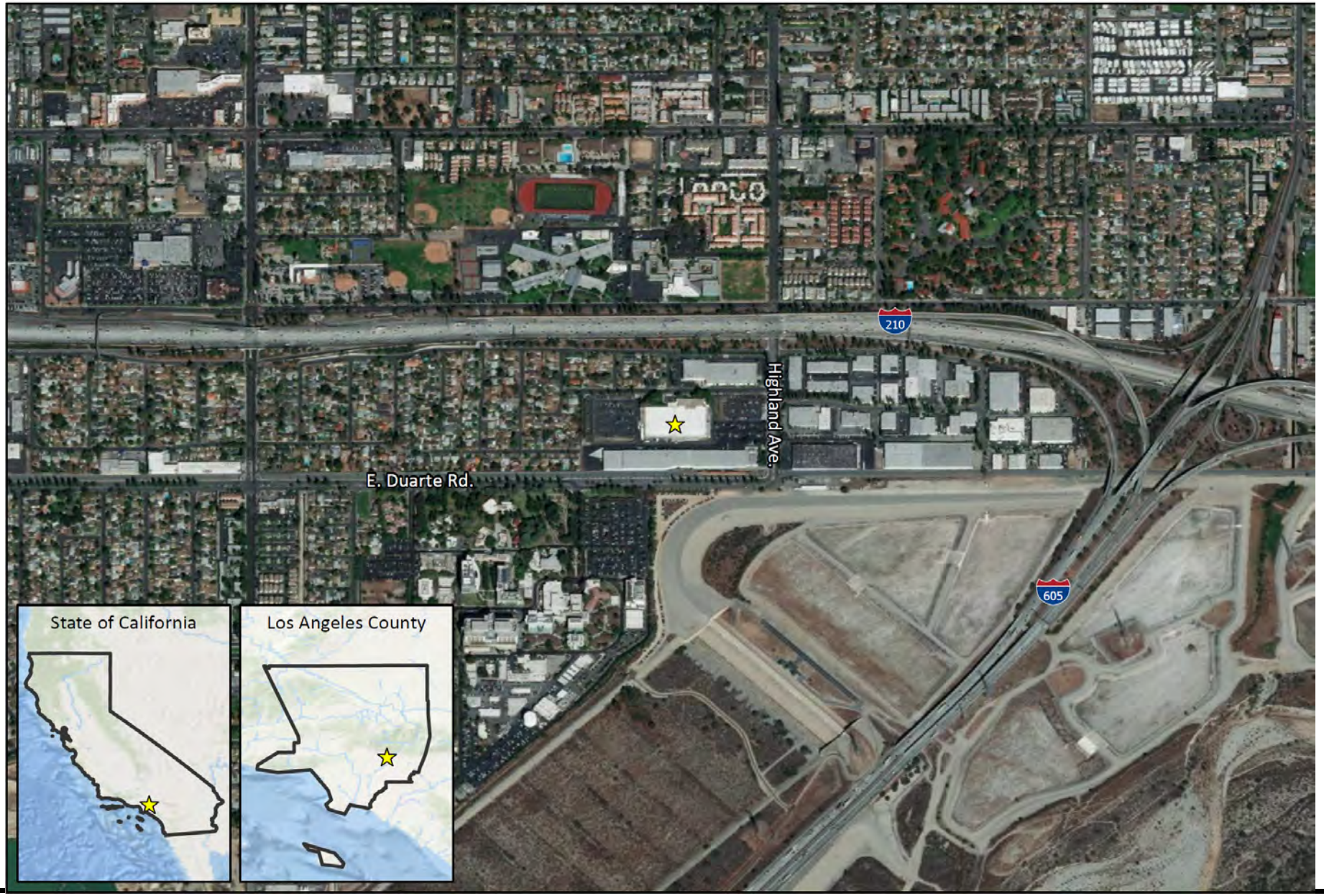
Figures





Catalyst
ENVIRONMENTAL SOLUTIONS

Site Location Map

Woodward Facility
1700 Business Center Drive
Duarte, CA

Figure
1

DRAFTED BY: J. Campbell	DATE: 7/23/2018
	PROJECT: 270002

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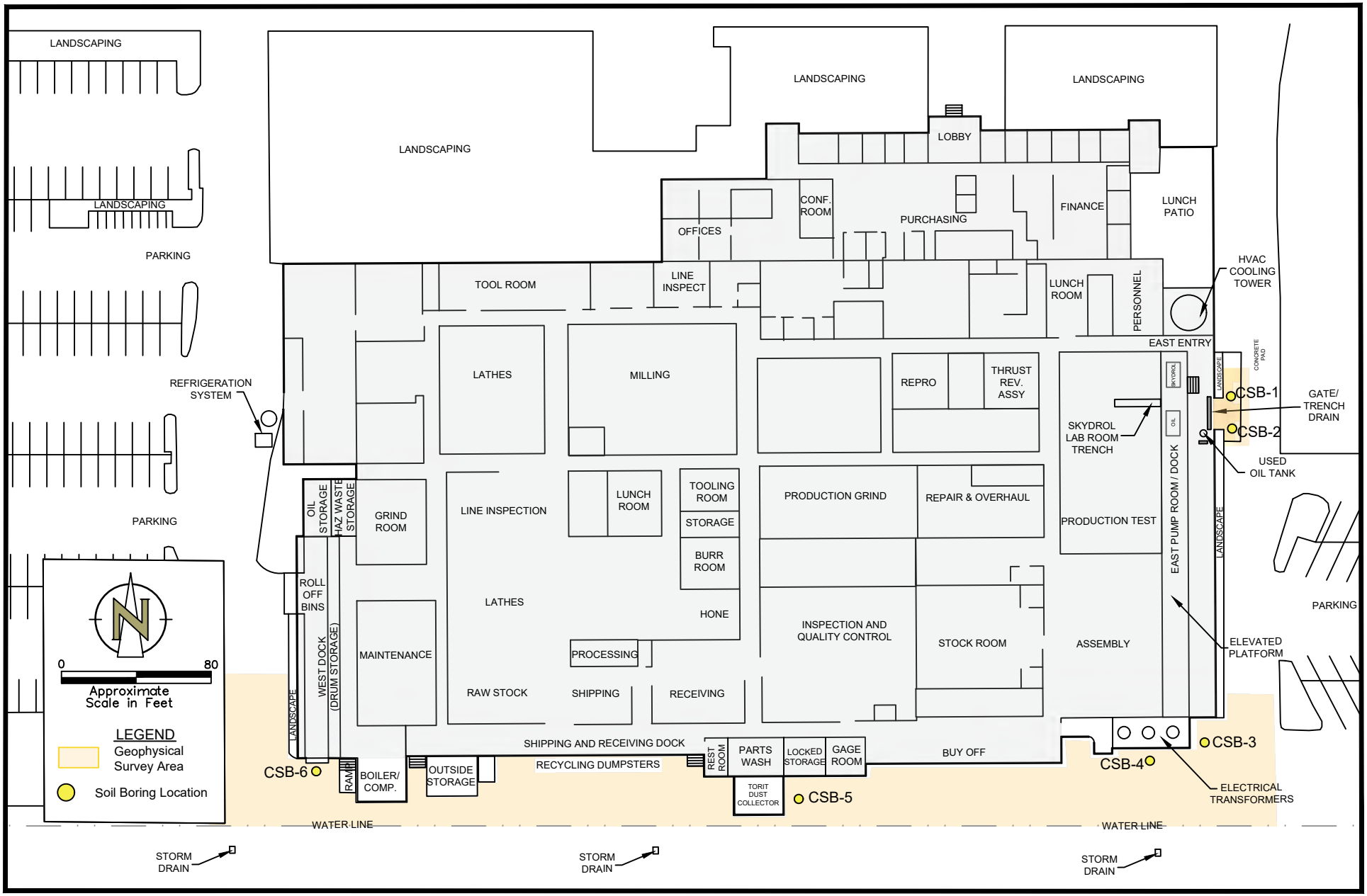

Site Map with Geophysical Survey and Soil Boring Locations

Woodward Facility
1700 Business Center Drive
Duarte, CA

Figure
2

DRAFTED BY:	DATE: 7/23/2018
J. Campbell	PROJECT: 270002

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Tables



TABLE 1. SOIL SAMPLE RESULTS FOR TPH, VOCs, SVOCs, and PCBs

Woodward - Duarte Facility
1700 Business Center Drive
Duarte, CA

Sample ID	Date Collected	Depth (feet bgs)	Total Petroleum Hydrocarbons (mg/kg)				TPH-GRO (mg/kg)	Volatile Organic Compounds (mg/kg)	Semi-Volatile Organic Compounds (mg/kg)	Polychlorinated Biphenyls (mg/kg)
			TPH-g (C6-C12)	TPH-d (C12-C22)	TPH-o (C22-C44)	Total TPH (C6-C44)				
CSB1-8	7/6/2018	8	<1.0	<1.0	8.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB1-15	7/6/2018	15	<1.0	<1.0	2.4	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB2-5	7/5/2018	5	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB2-15	7/5/2018	15	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB3-6	7/5/2018	6	<1.0	<1.0	<1.0	<10	1.0	Below Respective Method Detection Limits	Below Respective Method Detection Limits	<0.020
CSB3-15	7/5/2018	15	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits except for Acetone - 0.050 mg/kg	Below Respective Method Detection Limits	<0.020
CSB4-10	7/5/2018	10	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	<0.020
CSB4-15	7/5/2018	15	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	<0.020
CSB5-5	7/6/2018	5	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB5-15	7/6/2018	15	<1.0	<1.0	<1.0	<10	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB6-6	7/6/2018	6	<1.0	13.8	243	260	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
CSB6-15	7/6/2018	15	<1.0	<1.0	25.5	26	<0.50	Below Respective Method Detection Limits	Below Respective Method Detection Limits	--
ESL[2] Residential Sites (Shallow Soils <10-ft bgs)			740	230	11,000	--	740	Varies by Compound (Acetone - 59,000)	Varies by Compound	0.25
ESL[2] Commercial/Industrial Sites (Shallow Soils <10-ft bgs)			3,900	1,100	140,000	--	3,900	Varies by Compound (Acetone - 630,000)	Varies by Compound	1.0
ESL[2] Leaching to Groundwater (Assume - Drinking Water)			770	570	--	--	770	Varies by Compound (Acetone - 0.50)	Varies by Compound	6.3
ESL[2] Construction Worker Exposure			2,800	880	32,000	--	2,800	Varies by Compound (Acetone - 260,000)	Varies by Compound	5.6
LARWQCB Screening Level (distance above groundwater 20-150 feet)[3]			500	1,000	10,000	--	500	Varies by Compound (Acetone-NA)	--	--
LARWQCB Screening Level (distance above groundwater >150 feet)[3]			1,000	10,000	50,000	--	1,000	Varies by Compound (Acetone-NA)	--	--

Table Notes:

1. Sample depth in feet below ground surface.
2. San Francisco Bay Regional Water Quality Control Board - Environmental Screening Levels (ESLs) for Soil (Revised - February 22, 2016). TPH-g is defined as C4-C12, TPH-d is defined as C8-C21, and TPH-o is defined as C18-C34+.
3. Los Angeles Regional Water Quality Controal Board - Interim Site Assessment and Cleanup Guidebood - May 1996.

Petroleum hydrocarbons analyzed by EPA Method 8015M.

TABLE 2. SOIL SAMPLE RESULTS FOR METALS

Woodward - Duarte Facility
1700 Business Center Drive
Duarte, CA

Sample ID	Date Collected	Depth (feet bgs)	Metals (mg/kg)															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
CSB1-8	7/6/2018	8	<10	1.6	80	<1.0	<1.0	13	6.3	5.4	3.4	<5.0	8	<0.50	<1.0	<5.0	28	25	0.03
CSB1-15	7/6/2018	15	<10	3.4	110	<1.0	<1.0	22	7.7	10	4.2	<5.0	15	<0.50	<1.0	<5.0	30	27	0.072
CSB2-5	7/5/2018	5	<10	3.4	110	<1.0	<1.0	14	6.3	12	3.1	<5.0	8.7	<0.50	<1.0	<5.0	25	33	0.044
CSB2-15	7/5/2018	15	<10	2.3	69	<1.0	<1.0	9.4	5	3.2	5.5	<5.0	5.8	<0.50	<1.0	<5.0	27	21	0.07
CSB3-6	7/5/2018	6	<10	1.2	93	<1.0	<1.0	56	6.4	<3.0	<3.0	<5.0	6.4	<0.50	<1.0	<5.0	31	31	0.044
CSB3-15	7/5/2018	15	<10	4.5	120	<1.0	<1.0	13	7.8	22	4.5	<5.0	13	<0.50	<1.0	<5.0	30	29	0.042
CSB4-10	7/5/2018	10	<10	3.1	110	<1.0	<1.0	15	5.6	3.4	<3.0	<5.0	7.5	<0.50	<1.0	<5.0	25	25	0.058
CSB4-15	7/5/2018	15	<10	2.2	95	<1.0	<1.0	12	7.2	7	<3.0	<5.0	8.8	<0.50	<1.0	<5.0	27	29	0.094
CSB5-5	7/6/2018	5	<10	0.99	82	<1.0	<1.0	23	5.2	<3.0	<3.0	<5.0	9.8	<0.50	<1.0	<5.0	23	29	0.026
CSB5-15	7/6/2018	15	<10	2.7	130	<1.0	<1.0	23	6.7	7	<3.0	<5.0	13	<0.50	<1.0	<5.0	28	27	0.084
CSB6-6	7/6/2018	6	<10	2.9	83	<1.0	<1.0	15	6.5	3.7	7.7	<5.0	10	<0.50	<1.0	<5.0	30	37	0.042
CSB6-15	7/6/2018	15	<10	2.4	120	<1.0	<1.0	22	6.8	4.6	4.1	<5.0	8.6	<0.50	<1.0	<5.0	29	28	0.036
ESL[3] Residential Sites (Shallow Soils <10-ft bgs)			31	0.067	15,000	150	39	125,000	23	3,100	80	390	820	390	390	0.78	390	23,000	13
ESL[3] Commercial/Industrial Sites (Shallow Soils <10-ft bgs)			470	0.31	220,000	2,200	580	1,800,000	350	47,000	320	5,800	11,000	5,800	5,800	12	5,800	350,000	190
ESL[3] Construction Worker Exposure			140	0.98	3,000	42	43	530,000	28	14,000	160	1,800	86	1,700	1,800	3.5	470	110,000	44
Screening Level for Arsenic in Soil in Southern California[4]			NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DTSC Background Metals at Los Angeles Unified School Sites - Arsenic[5]			NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table Notes:

1. Sample depth in feet below ground surface
2. mg/kg - milligrams per kilogram
3. San Francisco Bay Regional Water Quality Control Board - Environmental Screening Levels (ESLs) for Soil (Revised - February 22, 2016).
4. California Department of Toxic Substances Control - Determination of a Southern California Regional Background Arsenic Concentration in Soil by G. Chernoff, W. Bosan, and D. Oudiz. Society of Toxicology, March 2008.
5. California Department of Toxic Substances Control -Final Report Background Metals at Los Angeles Unitied School Sites (June 5, 2005).

Mercury analyzed by EPA Method 7471A.
Hexavalent Chromium analyzed by EPA Method 7199.
All other metals analyzed by EPA Method 6010B/7000.

Appendix A

2011 Phase II Environmental Site Assessment Report

GE AVIATION – DUARTE, CALIFORNIA

DRAFT PHASE II ENVIRONMENTAL SITE ASSESSMENT

Prepared for: GE Aviation
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Cincinnati, Ohio 45215

Date: April 2011

Prepared by: MWH Americas, Inc.
2121 North California Boulevard, Suite 600
Walnut Creek, California 94596

Project No.: 1010880

Prepared by	Robert Robitaille, MWH Supervising Geologist
Reviewed by	Toby Leeson, MWH Principal Hydrogeologist
Reviewed by	Norman Cira, MWH Principal Environmental Scientist

EXECUTIVE SUMMARY

Introduction

MWH Americas, Inc. was retained by GE Aviation (GE) to perform a Phase II Environmental Site Assessment (ESA) of a GE Aviation active manufacturing facility in Duarte, California. The manufacturing facility (or the *Site*) is located at 1700 Business Center Drive, Duarte, California. Fieldwork was conducted from March 9 to March 15, 2011, including Saturday, for a total of 6 workdays to meet the project schedule.

The primary objective of the Phase II ESA was to investigate the potential for environmental impacts to groundwater and soil media at the Site. The work was performed at the request of GE as a follow-on assessment to the Phase I Environmental Site Assessment (MWH, 2009) of the Site and as detailed in the proposal dated 7 March 2011. Fieldwork was performed by appropriately trained and experienced personnel in accordance with industry standards, applicable laws and regulations, and GE requirements.

Site Description

The Site consists of an approximately 9 acre parcel of land containing:

- A one-story, 117,000 sf manufacturing facility; and,
- Three parking lots, one east of the building, one west of the building (subdivided with a portion leased to a second party), and one small lot on the north side of the building.

GE owns the land and buildings. The Site is bounded to the south and east by industrial complexes. The eastern half of the north property boundary is also occupied by an industrial complex. Residential areas are located immediately west and on the western half of the north property boundary.

Phase II ESA Scope of Work

The field assessment activities described below were conducted in general accordance with the scope of work presented in MWH's proposals dated February 25, 2011, and under the direction of GE. Deviations from the scope of work due to encountered site conditions are discussed in the report.

- Installation of 19 soil borings to a maximum depth of 40.5 ft bgs.
- Collection of up to 3 soil samples from each soil boring – at the near surface, mid-depth, and boring terminus (or above groundwater, if encountered) - for a total of 51 soil samples, including 6 duplicate samples.
- Collection of 5 trip blank samples, one per sample cooler with samples for volatile organic compound (VOC) analysis.
- Collection of 1 composite sample each of liquid and solid (soil cuttings) investigative derived waste (IDW) generated during the Phase II ESA.

The collected samples were analyzed for the following analytical methods:

- Priority pollutant metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, tin and zinc) by US Environmental Protection Agency (US EPA) method 6010/6029/7000 series;

- VOCs by US EPA method 8260B;
- Semi-volatile organic compounds (SVOCs) by US EPA method 8270C; and
- Polychlorinated biphenyls (PCBs) by US EPA method 8082.

The IDW samples were analyzed using the following *analytical methods:*

- Toxicity Characteristic Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) metals (arsenic, cadmium, chromium, iron, lead, mercury, nickel, and silver) by US EPA method 1311/6020/7471A;
- TCLP VOCs by US EPA method 1311/8260B;
- TCLP SVOCs by US EPA method 1311/8270C; and,
- PCBs by US EPA method 8082.

Local Geological and Hydrogeological Conditions

In general, soils encountered to a maximum drilled depth of 40.5 ft bgs comprised layers of poorly graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles, with minor silt. A dense layer of cobbles was encountered approximately 20-25 feet bgs in borings SB-01 and SB-19, which caused the premature refusal of SB-01 at 25 ft bgs. Boring SB-19 met refusal at 40.5 ft bgs, which suggests the presence of another layer of dense cobbles at 38-40.5 ft bgs. Size and quantity of gravels and cobbles appeared to decrease in the borings along the western boundary of the Site (SB-09, SB-13, and SB-18). The stratigraphy observed at the site is typical of an area located near a wash, in this case, the San Gabriel Wash, which is located approximately 2,000 ft southeast of the site.

Groundwater was not encountered in the borings through the total depth drilled. Based on information from nearby wells, depth to water is expected to be greater than 150 ft bgs at the Site.

Field Sampling Data

Key field data collected during the field assessment are summarized below.

Soil

Recovered soil cores were screened for organic vapor levels using a photoionization detector (PID) during drilling activities. PID readings were generally very low in all of the borings with a maximum of 3 ppm in samples collected from SB-04 at 13 ft bgs. No unusual odors or staining was observed in cores collected from the soil borings.

Analytical Results

Following receipt of the laboratory analytical results, the data were compared with the following screening criteria:

- State criteria: California Office of Environmental Health Hazard Assessment (CA OEHHA);
- US EPA Regional Screening Levels (RSLs) (http://www.epa.gov/region9/superfund/prg/).

Soil

Fifty-one soil samples (including six duplicate samples) from 19 soil borings were analyzed for metals, VOCs, SVOCs, and PCBs.

Fourteen metals were detected in one or more of the soil samples. Of these, seven (antimony, arsenic, barium, copper, lead, mercury, and molybdenum) exceeded one or both of the US EPA RSLs for Protection of Groundwater only.

In southern California, it is common for background values of arsenic to exceed screening criteria. The most widely accepted background value is 12 mg/kg (Chernoff, Bosan and Oudiz); which is supported by a value for the 95th percentile of the average arsenic concentration in soil of 12.7 mg/kg (Hunter, Davis and Roach). All 51 soil samples collected during this investigation contained arsenic levels that exceeded the screening criteria and ranged in concentration from 1 to 11 mg/kg. Since the detections at the site were ubiquitous both in aerial and vertical extent, the detected concentrations are considered most likely representative of background levels for the Site.

Nine VOCs were detected in 12 of the 51 soil samples analyzed. Concentrations of 1,1-dichlororethane, naphthalene, and tetrachloroethene exceeded the US EPA RSLs for Protection of Groundwater as risk based. None of the VOCs exceeded the US EPA RSLs for Protection of Groundwater as MCL based and no samples exceeded the CA OEHHA soil screening levels. Since there were no defined sources identified at the site and only US EPA RSLs for Protection of Groundwater were exceeded, these VOC exceedances are not considered to pose a significant concern

Three SVOCs were detected in 9 of the 51 soil samples analyzed. No screening levels for SVOC's were exceeded in the samples analyzed.

One PCB, aroclor 1254, was detected in 1 of the 51 soil samples analyzed, and the concentration exceeded only the US EPA RSL for Protection of Groundwater as risk based. Since there were no defined sources identified at the site and only the US EPA RSL for Protection of Groundwater was exceeded, this PCB exceedance is not considered to pose a significant concern

Groundwater

No groundwater was encountered in the borings to the depths explored, therefore, no groundwater monitoring wells were installed.

Investigative Derived Waste

Two composite grab samples (one liquid and one solid) collected from IDW drums were analyzed for metals, VOCs, SVOCs, and PCBs. The local GE site EHS department is arranging the transportation and disposal of all IDW, according to all local, state and federal regulations.

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1. INTRODUCTION

On behalf of GE Aviation (GE), MWH Americas, Inc. (MWH) conducted a Phase II Environmental Site Assessment (ESA) at active manufacturing and repair facilities to evaluate specified environmental aspects of the soil and groundwater conditions and were conducted in general accordance with the scope of work presented in MWH's proposal dated 7 March 2011, under the direction of GE. The manufacturing facility (or the *Site*) is located at 1700 Business Center Drive, in Duarte, California. The location of the Site is shown on **Figure 1**.

1.1. Project Objectives and Scope of Work

The primary objective of the Phase II ESA was to investigate the potential for environmental impacts to groundwater and soil media at the Site. The scope of work of the field assessment was based on existing knowledge of site conditions and historical activities and developed with assistance from GE personnel. The list below describes the scope of work, including deviations from the scope of work due to encountered site conditions.

- Installation of 19 soil borings (15 exterior and 4 interior) to a maximum depth of 40.5 feet (ft) below ground surface (bgs).
  - Nine soil borings were originally scoped to be drilled to 100 ft bgs, or to groundwater, and converted to groundwater monitoring wells, but were altered due to refusal prior to reaching groundwater.
  - One boring (SB-19) was drilled using sonic drilling methods in an attempt to reach a depth of 100 feet to evaluate the potential presence of groundwater after the hollow stem auger method reached refusal. The boring also met with refusal at 40.5 ft bgs.
- No groundwater monitoring wells were installed due to the lack of groundwater encountered in the borings.
- Collection of three soil samples from each soil boring and each shallow monitoring well boring from the near surface, mid-depth, and boring terminus (or above encountered groundwater) for a total of 51 soil samples, including six duplicate samples. While 51 soil samples were scoped, only 51 including duplicates were sampled due to the following:
  - Only two samples were collected from soil borings SB-01, SB-10, SB-14 and SB-19 due to refusal prior to the target depth.
  - Only one sample was collected from soil borings SB-07 due to refusal.
- Collection of one composite sample each of liquid and solid (soil cuttings) investigative derived waste (IDW) generated during the Phase II ESA.
- Soil samples collected from the borings were analyzed for metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs).

1.2. Report Organization

The presentation of this report is organized as follows.

Section 1 Presents the introduction, including project objectives, scope of work, summary of previous assessments/findings, and the organization of this report.

Section 2 Presents background information, including site description and the physical setting.

Section 3 Describes the Phase II ESA program, including preliminary field and health and safety activities; sampling methodologies; laboratory analytical program; sample identification and handling; quality assurance/quality control (QA/QC) sampling; site restoration and survey; and investigation derived waste management activities.

Section 4 Presents the results of the site assessment program, including local geologic and hydrogeologic conditions; explanation of data screening criteria used during the data evaluation; data quality review; and, the analytical results.

Section 5 Provides a summary of the Phase II ESA findings made during execution of the Phase II ESA.

Section 6 Presents the sources referenced within the body of this report.

Section 7 Presents the limitations associated with execution of the Phase II ESA, and preparation and use of the Phase II ESA Report.

2. SITE BACKGROUND

2.1. Site Description and Adjoining Properties

The Site is located at 1700 Business Center Drive, Duarte, California (**Figure 1**). The Site consists of approximately 9 acres of land, containing:

- A one story, 117,000 sf manufacturing facility; and,
- Three parking lots, one east of the building, one west of the building (subdivided with a portion leased to a second party), and one small lot on the north side of the building. A 125,000 sf (main) parcel with an approximate three story, 92,000 sf (54,000 sf footprint) manufacturing facility and several outbuildings totaling approximately 15,000 sf (12,500 sf footprint); and,

GE currently owns the land and buildings. The building occupies the central portion of the property and is accessed via several entrances from Highland Avenue and Business Center Drive. The main entrance to the building is located on the north and electronically secured entrances are located on the west, south and east sides of the building. Several loading docks are also present including one on the west, two on the south, and one on the east sides of the building. The site layout is shown on **Figure 2** and **Figure 3**.

The main building is surrounded by paved parking areas to the east, west and south and landscaping (grass turf and ornamental trees) is present adjacent to the north side of the building. The westernmost portion of the west parking lot is leased to a car dealership and is used for storage of new vehicles.

The Site is bounded to the south and east by industrial complexes. The eastern half of the north property boundary is also occupied by an industrial complex. Residential areas are located immediately west and on the western half of the north property boundary.

2.2. Site Operations

The Site was originally constructed in 1964 and has been used for the manufacture of hydraulic actuation systems since that time. Current operations include design, development, and manufacture of hydraulic and electrical equipment and components used in aircraft flight controls, thrust reversers, landing gear, and utility systems. Machining, cleaning, assembly and testing are performed at the Site. Work is conducted for both commercial and military applications.

2.3. Physical Setting

2.3.1. Site Vicinity Topography and Hydrology

The city of Duarte is located in the San Gabriel Valley. The San Gabriel Mountains define the northern boundary, respectively, of the valley. The Repetto, Merced, and Puente Hills make up the southern and western boundaries of the valley. The Rio Hondo and San Gabriel drainages drain this basin through the Whittier Narrows, a gap between the Merced and Puente Hills to the southwest (Department of Water Resources (DWR), 2004). The Santa Fe Flood Dam and Control Basin lie approximately 700 south and 3,000 feet southeast of the Site, respectively. The Santa Fe Dam and Control Basin are in within

the San Gabriel wash. The Site is located at approximately 488 feet above mean sea level (msl). Regional surface drainage is towards the southwest (United States Geological Survey (USGS), 1995).

2.3.2. Regional Geology and Hydrogeology

The San Gabriel Valley and groundwater basin is located within the northeastern block of the Los Angeles Basin in the Transverse Ranges Geomorphic Province. The basin is bounded by the Raymond fault and the San Gabriel Mountains to the north; the Repetto, Merced, and Puente Hills to the south and west; and the Chino and San Jose faults to the east. Between the Merced and Puente Hills is Whittier Narrows, a structural and topographic low (DWR, 2004).

Groundwater levels generally follow topographic slope of the San Gabriel Groundwater Basin, with groundwater flowing from the edges of the basin towards the center of the basin, then towards the southwest to exit through the Whittier Narrows (DWR, 2004). A review of the California Regional Water Resources Control Board website indicates that groundwater was approximately 330 ft bgs at sites 1.2 miles northwest (in March 2009) and 1.8 miles southeast (in November 2007) of the GE Site. In addition, at a drilling site located approximately two miles southwest of the GE Site, groundwater was encountered approximately 150 ft bgs in May 2010. Based on these data, it is estimated that groundwater in the vicinity of the Site is at least 150 ft bgs.

3. SITE ASSESSMENT PROGRAM

3.1. Summary

The site assessment program was designed to provide adequate coverage of the Site for evaluating areas of potential environmental concern that were identified by the GE team based on Phase I ESA and Limited EHS Compliance Assessment (MWH, 2010). The quantity and spacing of the soil borings and monitoring wells were developed by GE. The site assessment program included analysis of soil media. Fieldwork was conducted from 09 March to 14 March 2011, including weekends, for a total 6 workdays, and was performed by appropriately trained and experienced personnel in accordance with industry standards and applicable laws and regulations. The site layout with sampling locations is shown on **Figure 2** and **Figure 3**.

3.2. Preliminary Field and Health and Safety Activities

3.2.1. Preparatory Field Activities

Prior to conducting fieldwork the scope of work was reviewed by the field team and a preliminary site visit was conducted by MWH to mark the outdoor sampling locations. One-call utility locating service was contacted 48-hours prior to mobilization of drilling equipment. On the first day of fieldwork, the field team comprising MWH, the drillers and a subsurface utility locating contractor walked the Site with GE to review all planned soil boring and monitoring well locations against facility drawings of subsurface utilities and pipelines. A few soil borings/monitoring wells were relocated slightly (less than 10 feet) to avoid subsurface utilities and/or to not block vehicle traffic. One exterior location, SB-15, was moved approximately 230 feet because the original location was not on GE property. One indoor location, SB-07, was moved approximately 75 feet from a testing room to an adjacent loading dock due to height restrictions.

Equipment mobilization included transportation of drilling equipment and shipments of sampling equipment and supplies and staging of decontamination equipment and drum storage. GE facility staff requested the drum staging area location in a parking area east of the facility.

3.2.2. Preparatory and Ongoing Health and Safety Activities

A project-specific health and safety plan (HSP) was prepared and utilized by MWH field personnel for this project. The HSP identified roles and responsibilities of key personnel; hazard analyses for anticipated chemical, physical, and physiochemical hazards; personnel protection plan; site safety procedures; decontamination plan; and, an emergency response/contingency plan. The MWH field person conformed to the Occupational Safety and Health Administration (OSHA) requirements for training and certifications for this type of work, including 40-hour and 8-hour refresher Hazardous Waste Operations and Emergency Response (HAZWOPER) training.

A preliminary health and safety meeting and a brief *tailgate* health and safety meeting was performed before the commencement of field activities and then on each consecutive fieldwork day, respectively. Potentially hazardous conditions during field activities were continuously evaluated to protect the field team and site personnel. MWH supplied personal protective equipment (PPE), including hard hats, safety glasses, hearing protection, gloves and steel-toe boots for MWH personnel, and MWH's subcontractors supplied appropriate PPE for their own field personnel.

3.3. Field Sampling Activities

3.3.1. Soil Boring Sampling Methodology

Nineteen soil borings (SB-01 through SB-19) were drilled at the Site, as shown on **Figure 2**. During drilling activities, a qualified geologist supervised the drilling subcontractor, logged the boring lithology and subsurface materials encountered, collected samples, and described subsurface conditions in accordance with the American Society for Testing and Materials (ASTM), D2487 and ASTM D 2488. Organic vapor levels of ambient air and the headspace of recovered soil samples were measured using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp during drilling activities. Calibration of the PID was performed in accordance with the manufacturer's instructions prior to each day's use.

Drilling was performed by Cascade Drilling using up to three hollow stem auger rigs and one sonic drill rig (for SB-19) during the course of the fieldwork to meet the project schedule. All borings were cleared to 5 ft bgs using a hand auger. In general, soil borings were drilled to a maximum depth of 15 ft bgs, except the following:

- Soil boring SB-01 was intended to be drilled to 100 ft, but met with refusal on dense cobbles using hollow stem augers at 22.5 ft bgs.
- Soil boring SB-19 was drilled using a sonic drill rig and was intended to be drilled to 100 ft, but met with refusal on dense cobbles at 40.5 ft.

The following borings reached refusal with the hollow stem auger drill rig prior to reaching the target depth of 15 ft bgs:

- Soil boring SB-03 met with refusal on dense cobbles at 13 ft bgs.
- Soil boring SB-07 met with refusal on dense cobbles or fill at 6 ft bgs.
- Soil boring SB-08 met with refusal on dense cobbles at 13.5 ft bgs.
- Soil boring SB-09 met with refusal on dense cobbles at 13.5 ft bgs.
- Soil boring SB-10 met with refusal on dense cobbles at 12 ft bgs.
- Soil boring SB-14 met with refusal on dense cobbles at 14 ft bgs.
- Soil boring SB-18 met with refusal on dense cobbles at 13.5 ft bgs.

During drilling, the subsurface lithology was continuously logged of recovered samples from 1.5-ft-long, 2-inch-diameter split barrel samplers. Boring logs are presented in **Appendix A**.

In general, three soil samples were collected from each boring from the near surface, mid-depth, and above the boring terminus. Less than three samples were collected in some boreholes (see **Table 1**) where the drilling met refusal prior to reaching the target depth (in some cases it was still possible to collect three samples in boreholes that met refusal). Only one sample from the near surface interval was collected from borings SB-07. Only two samples were collected from the near surface and mid-depth from borings SB-01, SB-10, SB-14 and SB-19. In all cases, the additional samples were not collected due to refusal of the drill rig.

Samples collected for VOC laboratory analysis were collected using USEPA SW-846 Method 5035. The remaining soil samples were collected in stainless-steel split-spoon sample liners and immediately capped.

3.3.2. Monitoring Well Installation, Development and Groundwater Sampling Methodology

Groundwater was not encountered in the borings and therefore no monitoring wells were installed during this project.

3.3.3. Sample Identification and Handling

Samples were collected using clean stainless steel liners in the split-spoon sampler. Samples collected for VOC analysis were transferred directly into laboratory-supplied SW-846 approved containers (Terra-core™) as per EPA Method 5035, and each sample container was labeled with unique sample identification, sample collection time and date, and requested analyses. As appropriate, each sample container was placed in a self-sealing polyethylene bag to prevent any melted ice water from compromising sample integrity. Sample containers were checked for integrity and lid closure to prevent leakage, and sample labels were checked for completeness.

Batches of sample containers were packaged into coolers packed with ice and fill materials to reduce the likelihood of accidental bottle breakage during transport to the contracted laboratory. Chain-of-custody (COC) procedures were followed for tracking the possession and handling of samples from the time of field collection through laboratory receipt. The COC record was completed and signed by the sampler after sample collection.

3.3.4. Quality Assurance/Quality Control Sampling

The following Quality Assurance/Quality Control (QA/QC) samples were collected and analyzed to provide information on precision, accuracy, representativeness, comparability, and completeness of the data generated:

- Six duplicate soil samples were collected at the same time and location, to the extent possible, using the same sampling techniques as the parent samples. The field duplicate sample identifications were *blind* to the laboratory (e.g., *DUP-01*), and analyzed for all analytical methods requested for the parent samples.
- Laboratory-prepared trip blank samples were carried into the field and stored with samples for VOC analysis. A total of five trip blank samples were required and transported (one per cooler) with the samples to the laboratory.
- One equipment rinse blank sample was collected by pouring deionized water over decontaminated non-disposable sampling equipment (i.e., split-barrel sampler) into laboratory-supplied containers. The equipment rinse blank sample was analyzed for all analytical methods requested for the primary soil samples collected.
- Matrix spike and matrix spike duplicate (MS/MSD) samples were collected.

3.4. Laboratory Analysis

The soil samples were analyzed by TestAmerica Laboratories, Inc. located in Irvine, California. The analytical reports are presented as **Appendix C**. The samples were analyzed for the following analytical methods:

- Priority pollutant metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, tin and zinc) by US EPA method 6020/7471A;
- VOCs by US EPA method 8260B;
- SVOCs by USEP method 8270C; and,
- PCBs by US EPA method 8082.

IDW samples were analyzed using the following analytical methods:

- Toxicity Characteristic Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) metals (arsenic, cadmium, chromium, iron, lead, mercury, nickel, and silver) by US EPA method 1311/6020/7471A;
- TCLP VOCs by US EPA method 1311/8260B;
- TCLP SVOCs by US EPA method 1311/8270C; and,
- PCBs by US EPA method 8082.

3.5. Site Restoration

All soil borings were immediately backfilled upon completion of soil logging and sampling activities. Borings were backfilled with bentonite-cement grout to approximately 1 ft bgs. Borehole abandonment details are recorded on the boring logs in Appendix A. Surface completion matched the surrounding grade (i.e., gravel, concrete, cold-patch asphalt, or the original grass turf cut and saved before drilling). All borings and work areas were swept and vacuumed of any debris, and revisited by GE for their approval before leaving the Site.

3.6. Sample Location Survey

No survey was conducted as monitoring wells were not installed.

3.7. Investigative Derived Waste

Waste generated during conduct of the field sampling activities included soil cuttings, decontamination liquids, PPE, disposable sampling equipment, and other miscellaneous solid waste. PPE, disposable sampling equipment, and other miscellaneous solid waste was placed in the facilities waste collection receptacles as directed by GE facility staff. Soil and water waste was placed into 55-gallon drums segregated by media type. A total of 23 drums of soil and 2 drums of water were generated during the field effort. The drums were staged in the parking area west of the facility (as directed by GE facility staff), and labeled accordingly. The IDW remains at the location at the time of preparation of this report. MWH provided GE with an electronic version of the laboratory analytical results on April 7, 2011 in order for them to properly profile and dispose of the IDW.

4. RESULTS OF SITE ASSESSMENT PROGRAM

4.1. Local Geological and Hydrogeological Conditions

Geologic cross-sections along two transects are shown on **Figure 4** and **Figure 5**. In general, the subsurface of the Site consists of layers of poorly and well graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles; minor silt was present in some layers approximately 40.5 ft bgs, the maximum depth explored. A dense layer of cobbles was encountered approximately 20 feet bgs in SB-01 and SB-19. Cobbles were again encountered in boring SB-19 at approximately 38 ft bgs and precluded further advancement of SB-19 at 40.5 ft bgs, which suggests the presence of another layer of cobbles beginning at 38 and extending deeper than 40.5 ft bgs. Size and quantity of gravels and cobbles appeared to decrease in the borings along the western boundary of the Site (SB-09, SB-13, and SB-18). This is typical of an area located near a wash, in this case, the San Gabriel Wash, which is located approximately 2,000 ft southeast of the site. Groundwater was not encountered in the borings through the total maximum depth drilled.

4.2. Data Quality Review

A limited data quality review of the analytical results was performed by an MWH chemist to evaluate the usability of the reported data. QC samples were collected and used in conjunction with laboratory QC samples to evaluate the precision, accuracy, representativeness, completeness, and comparability. Overall, the results indicate that the dataset is acceptable and usable for the purposes of this Phase II ESA. A copy of the Data Validation Report is included in **Appendix C**.

The results of the data quality review are summarized below.

- No qualifiers were issued for VOCs, SVOCs, or PCBs. Percent recovery issues were noted in several surrogates, laboratory control samples (LCSs), and matrix spike/matrix spike duplicates (MS/MSDs), but these were all due to matrix interferences, and are therefore not cause for concern.
- One method blank associated with the VOC analysis indicated a concentration of methylene chloride; however, this compound was not detected in any associated samples.
- Elevated reporting limits were reported for several samples during the SVOC analysis. These were due to dilutions or matrix effects, and are not cause for concern.
- Several method blanks associated with the metals analysis indicated detections of antimony, chromium, and/or molybdenum. Samples were qualified "B" (indicating blank contamination) if they exhibited detections of these analytes at concentrations less than 10X the method blank concentration.

Six duplicate soil samples were collected during the investigation and submitted 'blind' to the analytical laboratory. In general, a comparison of the duplicate sample analytical results to its duplicate showed a good correlation. Analytes detected in the primary sample we also reported in the duplicate sample and were reported at similar concentrations. In cases where an analyte was found in one but not in the other, the detected concentration is close to the reporting limit. The results of the duplicate sample analysis show no laboratory bias.

One equipment rinseate blank was collected from the split-spoon sampler prior to use at SB-09. Analysis of that sample showed non-detect for all compounds except copper. Copper was detected in the equipment rinseate sample at 1.3 micrograms per liter (ug/l). Soil samples collected from SB-09 contained copper levels below the screening concentrations

and were typical of other samples collected during the investigation. The rinseate sample analyses indicate that the equipment decontamination procedures were effective.

Six trip blanks consisting of laboratory-supplied purified water were collected (one per sample cooler) and analyzed for VOCs. No compounds were detected in the laboratory analysis of the trip blanks samples. The trip blank sample analysis suggests that the samples were not cross-contaminated during storage and shipping.

Based on the results of this data quality review, all data for this Phase II ESA are considered complete and valid as qualified.

4.3. Analytical Results

4.3.1. Screening Criteria

Following receipt of the laboratory analytical results, the data were compared with the following screening criteria:

- California Environmental Office of Environmental Health Hazard Assessment (CA OEHHA) for soil; and,
- US EPA Regional Screening Levels (RSLs) (http://www.epa.gov/region9/superfund/prg/).

The US EPA and the CA OEHHA have developed general soil screening criteria in order to evaluate the potential impacts of soil. The criteria of soil screening of nonvolatile chemicals is based on total exposure to contaminated soil via inhalation, ingestion and dermal absorption in a residential, commercial and industrial setting and the for the protection of groundwater using a risk or MCL based approach. In order to evaluate the potential impacts of the reported soil concentrations, the general soil screening criteria from the US EPA and the CA OEHHA were used.

Background concentrations of metals for Southern California soils have been estimated based upon various studies and the most widely accepted value for arsenic is 12 mg/kg (Chernoff, Bosan and Oudiz); this is supported by a value for the 95th percentile of the average arsenic concentration in soil of 12.7 mg/kg (Hunter, Davis and Roach). The analytical results were screened against these values too.

4.3.2. Soil

Fifty-one soil samples (including six duplicate samples) from 19 borings were analyzed for metals, VOCs, SVOCs, and PCBs. **Table 1** presents the data screened against applicable screening standards; Figure 6 shows the detected concentrations by sample location overlaying the site layout. The data detections are summarized below.

All 15 of the metals analyzed were detected in up to 10 of the 10 samples collected, as summarized below. Concentrations of antimony, barium, cadmium, copper, lead, mercury and molybdenum exceeded the US EPA criteria. Arsenic exceeded the CA OEHHA soil screening criteria in all 51 soil samples and ranged from 1 to 19 mg/kg. Arsenic exceeded the background concentrations in two samples (14 and 35 mg/kg).

Metals					
Analyte	Number of Samples	Quantity Detected	Range of Detects (mg/kg)	Quantity Exceeding US EPA Criteria	Quantity Exceeding CA OEHHA Criteria
antimony	51	38	0.41 to 5.7	38	0
arsenic	51	51	0.37 to 19	51	51
barium	51	50	30 to 240	38	0
beryllium	51	32	0.27 to 0.98	0	0
cadmium	51	5	0.12 to 0.43	1	0
chromium	51	51	1.9 to 49	0	0
copper	51	51	0.75 to 51	1	0
lead	51	51	0.26 to 23	4	0
mercury	51	51	0.055 to 0.51	43	0
molybdenum	51	38	1.1 to 5.6	1	0
nickel	51	51	1.1 to 17	0	0
selenium	51	0	0.34 to 0.5	0	0
silver	51	4	0.34 to 0.21	0	0
tin	51	4	0.65 to 1.9	0	0
zinc	51	51	6.3 to 96	0	0

Nine VOC's were detected in up to 6 out of 51 soil samples collected, as summarized below. Concentrations of 1,1-dichlororethane, naphthalene, and tetrachloroethene exceeded the US EPA RSLs for Protection of Groundwater as risk based. None of the VOCs exceeded the US EPA RSLs for Protection of Groundwater as MCL based and no samples exceeded the CA OEHHA soil screening levels.

VOCs					
Analyte	Number of Samples	Quantity Detected	Range of Detects (mg/kg)	Quantity Exceeding US EPA Criteria	Quantity Exceeding CA OEHHA Criteria
1,1-dichlororethane	51	2	0.00092 to 0.0018	2	n/a
1,2,4-trimethylbenzene	51	1	0.0021	0	n/a
1,3,5-trimethylbenzene	51	1	0.00082	0	n/a
naphthalene	51	2	0.00084 to 0.0011	2	n/a
p-isopropyltoluene	51	2	0.00068 to 0.00094	0	n/a
tetrachloroethene	51	6	0.0004 to 0.0017	6	n/a
toluene	51	2	0.00047 to 0.001	0	n/a
trichlorofluormethane	51	2	0.00056 to 0.0012	0	n/a
m,p-xylenes	51	1	0.00093	0	n/a
o-xylenes	51	1	0.00045	0	n/a
total xylenes	51	1	0.00138	0	n/a

Three SVOCs were detected in up to 5 of the 51 samples collected, as summarized below. None of the SVOCs exceeded either the US EPA or OEHHA soil screening criteria for SVOCs.

SVOCs					
Analyte	Number of Samples	Quantity Detected	Range of Detects (mg/kg)	Quantity Exceeding US EPA Criteria	Quantity Exceeding CA OEHHA Criteria
benzoic acid	51	5	0.17 to 0.32	0	n/a
bis(2-ethylhexyl)phthalate	51	5	0.13 to 0.54	0	n/a
phenol	51	1	1.1	0	n/a

One PCB, aroclor 1254, was detected in one out of the 51 samples collected. Aroclor 1254 exceeded US EPA RSLs for Protection of Groundwater as risk based.

PCBs					
Analyte	Number of Samples	Quantity Detected	Range of Detects (mg/kg)	Quantity Exceeding US EPA Criteria	Quantity Exceeding CA OEHHA Criteria
Aroclor 1254	51	1	0.17	1	n/a
Total PCBs	51	1	0.17	1	0

Groundwater

No groundwater was encountered in the borings to the depths explored: therefore, no groundwater samples were collected.

4.3.3. Investigative Derived Waste

Two composite grab samples (one liquid and one solid) collected from IDW drums were analyzed for metals, VOCs, SVOCs, and PCBs. Laboratory reports for the IDW samples are included in **Appendix C**.

5. SUMMARY OF FINDINGS

5.1. Local and Geologic and Hydrogeologic Conditions

In general, soils encountered to a maximum drilled depth of 40.5 ft bgs comprised layers of poorly graded silty sand or sand with gravel and cobbles, gravel with sand and cobbles, with minor silt. A dense layer of cobbles was encountered approximately 20-25 feet bgs in borings SB-01 and SB-19 which caused the premature refusal of SB-01 at 25 ft bgs. Boring SB-19 met refusal at 40.5 ft bgs, which suggests the presence of a deeper layer of dense cobbles at 38-40.5 ft bgs. Size and quantity of gravels and cobbles appeared to decrease in the borings along the western boundary of the Site (SB-09, SB-13, and SB-18). The stratigraphy observed at the site is typical of an area located near an alluvial channel, in this case, the San Gabriel Wash, which is located approximately 2,000 ft southeast of the site.

Groundwater was not encountered in the borings through the total depth drilled. Based on information from nearby wells, depth to water is expected to be greater than 150 ft bgs at the Site.

5.2. Field Sampling Data

Key field data collected during the field assessment are summarized below (by media type).

Soil

Recovered soil cores were screened for organic vapor levels using a PID during drilling activities. PID readings were generally non-detect with some sporadic readings up to 3.0 ppm (in SB-04 at 12.5 ft bgs). No unusual odors or visual indicators such as staining or discoloration were observed in the soil samples collected.

Groundwater

No groundwater was encountered during this investigation.

5.3. Analytical Results

Soil

Fifty-one soil samples (including six duplicate samples) from 19 soil borings were analyzed for metals, VOCs, SVOCs, and PCBs.

Fourteen metals were detected in one or more of the soil samples. Of these, seven (antimony, arsenic, barium, copper, lead, mercury, and molybdenum) exceeded one or both of the US EPA RSLs for Protection of Groundwater only. Fifty-six of the 51 soil samples collected during this investigation contained arsenic levels that exceeded the screening criteria and ranged in concentration from 1 to 11 mg/kg. Since the detections at the site were ubiquitous both in aerial and vertical extent, the detected concentrations are considered representative of background levels for the Site.

Nine VOCs were detected in 12 of the 51 soil samples analyzed. One or more screening levels were exceeded for three VOC compounds (1,1-dichloroethene, naphthalene, and tetrachloroethene. Since there were no defined sources identified at the site and only US EPA RSLs for Protection of Groundwater were exceeded, these VOC exceedances are not considered to pose a significant concern.

Three SVOCs were detected in 9 of the 51 soil samples analyzed. No screening levels for SVOC's were exceeded in the samples analyzed.

One PCB, aroclor 1254, was detected in 1 of the 51 soil samples analyzed, and the concentration exceeded the US EPA RSL. Since there were no defined sources identified at the site and only the US EPA RSL for Protection of Groundwater was exceeded, this PCB exceedance is not considered to pose a significant concern

6. REFERENCES

California Department of Water Resources. 2004. California's Groundwater. Bulletin No. 118 0 Update 2003. San Gabriel Groundwater Basin update February 27.

Draft Phase I Environmental Site Assessment of GE Aviation, 1700 Business Center Drive, Duarte, California, July 2009.

United States Geological Survey. 1946. Pomona, California 15-Minute Topographic Quadrangle Map.

United States Geological Survey. 1995. Azusa, California 7.5-Minute Topographic Quadrangle Map.

7. LIMITATIONS

This Phase II ESA was conducted by MWH for the benefit of GE Aviation. It is based upon a specific scope agreed on between MWH and GE Aviation and, therefore, may have limitations, assumptions, and/or rely on information/data which are not obvious on the face of it. Reliance should, therefore, not be made upon this report without further consultation with MWH. The Phase II ESA was limited to the areas of concern identified during the Phase I ESA and/or the locations identified by GE to establish baseline conditions. The information contained in this report reflects MWH's best judgment based on the information available at the time of report preparation, and in part on the interpretation of data from discrete sampling locations that may not represent conditions at unsampled locations. This Phase II ESA was a limited inquiry and additional work would be necessary to identify all potential environmental issues at the Site.

Any interpretations and recommendations given in this report represents the opinions of MWH in accordance with a specific brief and as such does not necessarily address all aspects which may surround the subject area. MWH's liability under this report is limited to its agreement with GE Aviation. No liability or duty of care is accepted by MWH with respect to use of this report by any other person. Any reliance placed upon any matters upon which MWH has reported by any person other than GE Aviation is done so entirely at their own risk and without recourse to MWH or any of its employees or agents for any loss, damage or expense of whatsoever nature which may be caused by any use they choose to make of this report.

FIGURES

TABLES

APPENDIX A: Boring Logs

APPENDIX B: Field Forms

APPENDIX C: Laboratory Reports

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23	(Bold) Detected concentration
1.23	Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based
1.23	Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1] Industrial Soil	CA OEHHA[1] Residential Soil	USEPA[2] Industrial Soil	USEPA[2] Residential Soil	USEPA[2] Protection of GW, Risk Based	USEPA[2] Protection of GW, MCL Based	SB-01-1.0	SB-01-22.5	SB-02-1.5-SO	SB-02-7.5-SO	SB-02-14-SO	SB-03-1.0	SB-03-6.7	SB-03-11	SB-04-1.5-SO	SB-04-7.0-SO	SB-04-15-SO	SB-05A-1.0	SB-05B-8.0	SB-05B-14.3	SB-06-1.5	SB-06-7.0	SB-06-15	SB-07-01	SB-08-1.5	SB-08-7.0	SB-08-15	SB-09-1.0 B
								9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11
Metals																													
Antimony	mg/kg	-	380	410	31	0.66	0.27	**0.64 B, J**	**1.9 B, J**	**0.38 J**	**0.32 J**	**0.42 J**	**0.75 J**	**1.2 J**	**0.51 J**	**0.4 J**	**0.32 J**	**0.43 J**	**0.32 J**	0.3 U	**0.51 J**	**1.4 J**	**0.58 J**	0.3 U	0.3 U	0.3 U	**0.36 J**	**1.1 J**	**0.48 J**
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	**3.9**	**3.7**	**3.8**	**1.5**	**2.9**	**3.6**	**5**	**3.6**	**2.5**	**1.9**	**4.6**	**4**	**2.4**	**2.5**	**3.9**	**2.9**	**2.2**	**3.7**	**1.4**	**2.3**	**4.2**	**1.9**
Barium	mg/kg	-	63,000	190,000	15,000	300	82	**86**	**91**	**120**	**150**	**77**	**110**	**110**	**72**	**71**	**55**	**110**	**150**	**89**	**85**	**100**	**67**	**88**	**96**	**73**	**87**	**81**	**94**
Beryllium	mg/kg	-	190	2,000	160	58	3.2	**0.48 M2, J**	**0.33 J**	**0.39 J**	**0.22 J**	**0.21 J**	**0.37 J**	**0.32 J**	**0.23 J**	**0.23 J**	**0.2 J**	**0.21 J**	**0.51**	0.3 U	0.3 U	**0.43 J**	0.3 U	0.3 U	**0.41 J**	0.3 U	0.3 U	0.3 U	**0.33 J**
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	**0.13 J**	0.1 U	0.1 U	0.1 U	0.1 U	**0.14 J**	**0.12 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	**14 M2, B-1**	**12 B-1**	**23**	**13**	**15**	**20**	**19**	**35**	**12**	**10**	**17**	**23**	**18**	**12**	**16**	**16**	**13**	**14**	**7.7**	**21**	**15**	**14**
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	**17 M2**	**20**	**22**	**51**	**18**	**23**	**24**	**15**	**14**	**17**	**14**	**23**	**15**	**16**	**18**	**11**	**9.7**	**19**	**10**	**14**	**16**	**15**
Lead	mg/kg	80	320	800	400	-	14	**16**	**3.6**	**7.7**	**3.3**	**3.6**	**13**	**16**	**8.8**	**4.1**	**3.1**	**2.8**	**7.8**	**4.5**	**2.9**	**7.9**	**5**	**2.6**	**13**	**2.6**	**5.2**	**6**	**4.9**
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	**0.073**	**0.067**	**0.035**	**0.032**	**0.042**	**0.07**	**0.074**	**0.039**	**0.078**	**0.04**	**0.04**	**0.047**	**0.025**	**0.033**	**0.02**	**0.062**	**0.028**	**0.045**	**0.023**	**0.016 J**	**0.11**	**0.029**
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.2 U	0.2 U	**0.27 J**	**0.79 J**	**0.5 J**	**0.27 J**	**0.63 J**	**2.6**	0.2 U	**0.94 J**	**0.71 J**	0.2 U	**0.61 B, J**	**0.92 B, J**	**0.7 B, J**	**0.57 B, J**	0.2 U	0.2 U	**0.27 B, J**	**2.7 B**	**0.35 B, J**	0.2 U
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	**9.6 M2**	**6.3**	**15**	**7.5**	**11**	**14**	**14**	**9.9**	**8.9**	**7.4**	**8.5**	**16**	**9.4**	**6.3**	**12**	**10**	**8**	**11**	**7.8**	**7.4**	**10**	**10**
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	**0.12 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 MI	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	**66**	**35**	**56**	**39**	**32**	**57**	**53**	**38**	**39**	**21**	**38**	**62**	**31**	**28**	**50**	**26**	**31**	**96**	**34**	**28**	**30**	**42**
Volatile Organic Compounds (VOC)																													
1,1,1,2-Tetrachloroethane	mg/kg	-	-	9.3	1.9	0.0002	-	0.00042 U	-	0.00046 U	0.00048 U	0.00051 U	0.00046 U	0.00042 U	0.00042 U	0.00045 U	0.00045 U	0.00041 U	0.00044 U	0.00048 U	0.00049 U	0.00047 U	0.00046 U	0.0004 U	0.00043 U	0.00043 U	0.00042 U	0.00043 U	0.00044 U
1,1,1-Trichloroethane	mg/kg	-	-	38,000	8,700	3.2	0.07	0.00052 U	-	0.00057 U	0.00059 U	0.00062 U	0.00056 U	0.00052 U	0.00052 U	0.00055 U	0.00055 U	0.0005 U	0.00054 U	0.00058 U	0.00061 U	0.00058 U	0.00057 U	0.0005 U	0.00052 U	0.00053 U	0.00052 U	0.00053 U	0.00054 U
1,1,2,2-Tetrachloroethane	mg/kg	-	-	2.8	0.56	0.000026	-	0.00064 U	-	0.00069 U	0.00073 U	0.00077 U	0.00069 U	0.00063 U	0.00063 U	0.00068 U	0.00068 U	0.00062 U	0.00067 U	0.00072 U	0.00075 U	0.00071 U	0.00069 U	0.00061 U	0.00064 U	0.00065 U	0.00064 U	0.00065 U	0.00067 U
1,1,2-Trichloroethane	mg/kg	-	-	5.3	1.1	0.000078	0.0016	0.00064 U	-	0.0007 U	0.00074 U	0.00077 U	0.00069 U	0.00064 U	0.00064 U	0.00069 U	0.00068 U	0.00062 U	0.00068 U	0.00072 U	0.00075 U	0.00072 U	0.0007 U	0.00062 U	0.00065 U	0.00066 U	0.00065 U	0.00066 U	0.00068 U
1,1-Dichloroethane	mg/kg	-	-	17	3.3	0.00069	-	0.00037 U	-	0.0004 U	**0.00092 J**	**0.0018**	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
1,1-Dichloroethene	mg/kg	-	-	1,100	240	0.12	0.0025	0.00044 U	-	0.00048 U	0.00051 U	0.00053 U	0.00048 U	0.00044 U	0.00044 U	0.00047 U	0.00047 U	0.00043 U	0.00047 U	0.0005 U	0.00052 U	0.0005 U	0.00048 U	0.00043 U	0.00045 U	0.00045 U	0.00045 U	0.00046 U	0.00047 U
1,1-Dichloropropene	mg/kg	-	-	-	-	-	-	0.0003 U	-	0.00032 U	0.00034 U	0.00036 U	0.00032 U	0.00029 U	0.00029 U	0.00032 U	0.00031 U	0.00029 U	0.00031 U	0.00033 U	0.00035 U	0.00033 U	0.00032 U	0.00028 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.00031 U
1,2,3-Trichlorobenzene	mg/kg	-	-	490	49	0.087	-	0.00074 U	-	0.00081 U	0.00085 U	0.00089 U	0.0008 U	0.00074 U	0.00074 U	0.00079 U	0.00078 U	0.00072 U	0.00078 U	0.00083 U	0.00087 U	0.00083 U	0.00081 U	0.00071 U	0.00075 U	0.00075 U	0.00075 U	0.00076 U	0.00078 U
1,2,3-Trichloropropane	mg/kg	-	-	0.095	0.005	0.00000031	-	0.00074 U	-	0.00081 U	0.00085 U	0.00089 U	0.0008 U	0.00074 U	0.00074 U	0.00079 U	0.00078 U	0.00072 U	0.00078 U	0.00083 U	0.00087 U	0.00083 U	0.00081 U	0.00071 U	0.00075 U	0.00075 U	0.00075 U	0.00076 U	0.00078 U
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.00074 U	-	0.00081 U	0.00085 U	0.00089 U	0.0008 U	0.00074 U	0.00074 U	0.00079 U	0.00078 U	0.00072 U	0.00078 U	0.00083 U	0.00087 U	0.00083 U	0.00081 U	0.00071 U	0.00075 U	0.00075 U	0.00075 U	0.00076 U	0.00078 U
1,2,4-Trimethylbenzene	mg/kg	-	-	260	62	0.021	-	0.00058 U	-	0.00063 U	0.00066 U	0.00069 U	0.00062 U	**0.0021**	0.00057 U	0.00062 U	0.00061 U	0.00056 U	0.00061 U	0.00065 U	0.00068 U	0.00065 U	0.00063 U	0.00055 U	0.00058 U	0.00059 U	0.00058 U	0.00059 U	0.00061 U
1,2-Dibromo-3-chloropropane	mg/kg	-	-	0.069	0.0054	0.00000014	0.000086	0.0011 U	-	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dibromoethane (EDB)	mg/kg	-	-	0.17	0.034	0.0000018	0.000014	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	0.0006 U	0.0006 U	0.0006 U	0.00061 U	0.00062 U
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.0007 U	-	0.00077 U	0.00081 U	0.00085 U	0.00076 U	0.0007 U	0.0007 U	0.00075 U	0.00075 U	0.00068 U	0.00074 U	0.00079 U	0.00082 U	0.00079 U	0.00077 U	0.00067 U	0.00071 U	0.00072 U	0.00071 U	0.00072 U	0.00074 U
1,2-Dichloroethane	mg/kg	-	-	2.2	0.43	0.000042	0.0014	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	0.0006 U	0.0006 U	0.0006 U	0.00061 U	0.00062 U
1,2-Dichloropropane	mg/kg	-	-	4.5	0.89	0.00013	0.0017	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	0.0006 U	0.0006 U	0.0006 U	0.00061 U	0.00062 U
1,3,5-Trimethylbenzene	mg/kg	-	-	10,000	780	0.52	-	0.00047 U	-	0.00051 U	0.00053 U	0.00056 U	0.0005 U	**0.00082 J**	0.00046 U	0.0005 U	0.00049 U	0.00045 U	0.00049 U	0.00052 U	0.00055 U	0.00052 U	0.00051 U	0.00045 U	0.00047 U	0.00048 U	0.00047 U	0.00048 U	0.00049 U
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.00062 U	-	0.00068 U	0.00071 U	0.00075 U	0.00067 U	0.00062 U	0.00062 U	0.00066 U	0.00066 U	0.0006 U	0.00065 U	0.0007 U	0.00073 U	0.0007 U	0.00068 U	0.0006 U	0.00063 U	0.00063 U	0.00063 U	0.00064 U	0.00065 U
1,3-Dichloropropane	mg/kg	-	-	20,000	1,600	0.25	-	0.00047 U	-	0.00051 U	0.00053 U	0.00056 U	0.0005 U	0.00046 U	0.00046 U	0.0005 U	0.00049 U	0.00045 U	0.00049 U	0.00052 U	0.00055 U	0.00052 U	0.00051 U	0.00045 U	0.00047 U	0.00048 U	0.00047 U	0.00048 U	0.00049 U
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.0007 U	-	0.00076 U	0.0008 U	0.00084 U	0.00075 U	0.00069 U	0.00069 U	0.00074 U	0.00074 U	0.00067 U	0.00073 U	0.00078 U	0.00081 U	0.00078 U	0.00076 U	0.00067 U	0.0007 U	0.00071 U	0.0007 U	0.00071 U	0.00073 U
2,2-Dichloropropane	mg/kg	-	-	-	-	-	-	0.00044 U	-	0.00048 U	0.00051 U	0.00053 U	0.00048 U	0.00044 U	0.00044 U	0.00047 U	0.00047 U	0.00043 U	0.00047 U	0.0005 U	0.00052 U	0.0005 U	0.00048 U	0.00043 U	0.00045 U	0.00045 U	0.00045 U	0.00046 U	0.00047 U
2-Chlorotoluene	mg/kg	-	-	20,000	1,600	0.71	-	0.00064 U	-	0.0007 U	0.00074 U	0.00077 U	0.00069 U	0.00064 U	0.00064 U	0.00069 U	0.00068 U	0.00062 U	0.00068 U	0.00072 U	0.00075 U	0.00072 U	0.0007 U	0.00062 U	0.00065 U	0.00066 U	0.00065 U	0.00066 U	0.00068 U
4-Chlorotoluene	mg/kg	-	-	72,000	5,500	2.5	-	0.00055 U	-	0.0006 U	0.00063 U	0.00066 U	0.00059 U	0.00054 U	0.00054 U	0.00058 U	0.00058 U	0.00053 U	0.00057 U	0.00062 U	0.00064 U	0.00061 U	0.0006 U	0.00052 U	0.00055 U	0.00056 U	0.00055 U	0.00056 U	0.00058 U
Benzene	mg/kg	-	-	5.4	1.1	0.00021	0.0026	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Bromobenzene	mg/kg	-	-	1,800	300	0.059	-	0.00062 U	-	0.00068 U	0.00071 U	0.00075 U	0.00067 U	0.00062 U	0.00062 U	0.00066 U	0.00066 U	0.0006 U	0.00065 U	0.0007 U	0.00073 U	0.0007 U	0.00068 U	0.0006 U	0.00063 U	0.00063 U	0.00063 U	0.00064 U	0.00065 U
Bromochloromethane	mg/kg	-	-	-	-	-	-	0.00067 U	-	0.00073 U	0.00076 U	0.0008 U	0.00072 U	0.00066 U	0.00066 U	0.00071 U	0.00071 U	0.00064 U	0.0007 U	0.00075 U	0.00078 U	0.00075 U	0.00073 U	0.00064 U	0.00067 U	0.00068 U	0.00067 U	0.00068 U	0.0007 U
Bromodichloromethane	mg/kg	-	-	1.4	0.27	0.000032	0.022	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Bromoform	mg/kg	-	-	220	61	0.0023	0.021	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	0.0006 U	0.0006 U	0.0006 U	0.00061 U	0.00062 U
Bromomethane	mg/kg	-	-	32	7.3	0.0022	-	0.00068 U	-	0.00074 U	0.00078 U	0.00082 U	0.00073 U	0.00068 U	0.00068 U	0.00073 U	0.00072 U	0.00066 U	0.00071 U	0.00077 U	0.0008 U	0.00076 U	0.00074 U	0.00065 U	0.00069 U	0.00069 U	0.00069 U	0.0007 U	0.00072 U
Carbon tetrachloride	mg/kg	-	-	3	0.61	0.00017	0.0019	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Chlorobenzene	mg/kg	-	-	1,400	290	0.062	0.068	0.00038 U	-	0.00042 U	0.00044 U	0.00046 U	0.00042 U	0.00038 U	0.00038 U	0.00041 U	0.00041 U	0.00037 U	0.0004 U	0.00043 U	0.00045 U	0.00043 U	0.00042 U	0.00037 U	0.00039 U	0.00039 U	0.00039 U	0.00039 U	0.0004 U
Chloroethane	mg/kg	-	-	61,000	15,000	5.9	-	0.0011 U	-	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Chloroform	mg/kg	-	-	1.5	0.29	0.000053	0.022	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Chloromethane	mg/kg	-	-	500	120	0.049	-	0.00074 U	-	0.00081 U	0.00085 U	0.00089 U	0.0008 U	0.00074 U	0.00074 U	0.00079 U	0.00078 U	0.00072 U	0.00078 U	0.00083 U	0.00087 U	0.00083 U	0.00081 U	0.00071 U	0.00075 U	0.00075 U	0.00075 U	0.00076 U	0.00078 U
cis-1,2-Dichloroethene	mg/kg	-	-	10,000	780	0.11	0.021	0.00061 U	-	0.00067 U	0.0007 U	0.00074 U	0.00066 U	0.00061 U	0.00061 U	0.00066 U	0.00065 U	0.00059 U	0.00064 U	0.00069 U	0.00072 U	0.00069 U	0.00067 U	0.00059 U	0.00062 U	0.00063 U	0.00062 U	0.00063 U	0.00065 U
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.00033 U	-	0.00036 U	0.00037 U	0.00039 U	0.00035 U	0.00032 U	0.00032 U	0.00035 U	0.00035 U	0.00032 U	0.00034 U	0.00037 U	0.00038 U	0.00036 U	0.00036 U	0.00031 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00034 U
Dibromochloromethane	mg/kg	-	-	3.3	0.68	0.000039	0.021	0.00052 U	-	0.00057 U	0.00059 U	0.00062 U	0.00056 U	0.00052 U	0.00052 U	0.00055 U	0.00055 U	0.0005 U	0.00054 U	0.00058 U	0.00061 U	0.00058 U	0.00057 U	0.0005 U	0.00052 U	0.00053 U	0.00052 U	0.00053 U	0.00054 U
Dibromomethane	mg/kg	-	-	110	25	0.002	-	0.00067 U	-	0.00073 U	0.00076 U	0.0008 U	0.00072 U	0.00066 U	0.00066 U	0.00071 U	0.00071 U	0.00064 U	0.0007 U	0.00075 U	0.00078 U	0.00075 U	0.00073 U	0.00064 U	0.00067 U	0.00068 U	0.00067 U	0.00068 U	0.0007 U
Dichlorodifluoromethane	mg/kg	-	-	780	180	0.61	-	0.0011 U	-	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U
Ethylbenzene	mg/kg	-	-	27	5.4	0.0017	0.78	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	0.0006 U	0.0006 U	0.0006 U	0.00061 U	0.00062 U
Isopropylbenzene	mg/kg	-	-	11,000	2,100	1.1	-	0.0004 U	-	0.00044 U	0.00046 U	0.00048 U	0.00043 U	0.0004 U	0.0004 U	0.00043 U	0.00042 U	0.00039 U	0.00042 U	0.00045 U	0.00047 U	0.00045 U	0.00044 U	0.00038 U	0.0004 U	0.00041 U	0.0004 U	0.00041 U	0.00042 U
m,p-Xylenes	mg/kg	-	-	-	-	-	-	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	**0.00093 J**	0.0006 U	0.0006 U	0.00061 U	0.00062 U
Methylene chloride	mg/kg	-	-	53	11	0.0012	0.0013	0.0048 U	-	0.0053 U	0.0055 U	0.0058 U	0.0052 U	0.0048 U	0.0048 U	0.0051 U	0.0051 U	0.0047 U	0.005 U	0.0054 U	0.0056 U	0.0054 U	0.0053 U	0.0046 U	0.0049 U	0.0049 U	0.0048 U	0.0049 U	0.0051 U
Naphthalene	mg/kg	-	-	18	3.6	0.00047	-	0.00081 U	-	0.00089 U	0.00093 U	0.00098 U	0.00088 U	**0.00084 J**	0.00081 U	0.00087 U	0.00086 U	0.00079 U	0.00085 U	0.00092 U	0.00095 U	0.00091 U	0.00089 U	0.00078 U	**0.0011 J**	0.00083 U	0.00082 U	0.00083 U	0.00086 U
n-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00053 U	-	0.00058 U	0.00061 U	0.00064 U	0.00058 U	0.00053 U	0.00053 U	0.00057 U	0.00057 U	0.00052 U	0.00056 U	0.0006 U	0.00062 U	0.0006 U	0.00058 U	0.00051 U	0.00054 U	0.00054 U	0.00054 U	0.00055 U	0.00056 U
n-Propylbenzene	mg/kg	-	-	21,000	3,400	2.5	-	0.00045 U	-	0.00049 U	0.00052 U	0.00054 U	0.00049 U	0.00045 U	0.00045 U	0.00048 U	0.00048 U	0.00044 U	0.00047 U	0.00051 U	0.00053 U	0.0005 U	0.00049 U	0.00043 U	0.00046 U	0.00046 U	0.00045 U	0.00046 U	0.00047 U
o-Xylene	mg/kg	-	-	19,000	3,800	1.2	-	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	**0.00045 J**	0.00038 U	0.00037 U	0.00038 U	0.00039 U
p-Isopropyltoluene	mg/kg	-	-	-	-	-	-	0.00053 U	-	0.00058 U	0.00061 U	0.00064 U	0.00058 U	0.00053 U	0.00053 U	0.00057 U	0.00057 U	0.00052 U	0.00056 U	0.0006 U	0.00062 U	0.0006 U	0.00058 U	0.00051 U	0.00054 U	0.00054 U	0.00054 U	0.00055 U	0.00056 U
sec-Butylbenzene	mg/kg	-	-	-	-	-	-	0.0005 U	-	0.00054 U	0.00057 U	0.0006 U	0.00054 U	0.00049 U	0.00049 U	0.00053 U	0.00053 U	0.00048 U	0.00052 U	0.00056 U	0.00058 U	0.00055 U	0.00054 U	0.00048 U	0.0005 U	0.00051 U	0.0005 U	0.00051 U	0.00052 U
Styrene	mg/kg	-	-	36,000	6,300	1.8	0.11	0.00043 U	-	0.00047 U	0.00049 U	0.00052 U	0.00046 U	0.00043 U	0.00043 U	0.00046 U	0.00046 U	0.00042 U	0.00045 U	0.00048 U	0.0005 U	0.00048 U	0.00047 U	0.00041 U	0.00043 U	0.00044 U	0.00043 U	0.00044 U	0.00045 U
tert-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00046 U	-	0.0005 U	0.00053 U	0.00055 U	0.0005 U	0.00046 U	0.00046 U	0.00049 U	0.00049 U	0.00044 U	0.00048 U	0.00052 U	0.00054 U	0.00051 U	0.0005 U	0.00044 U	0.00046 U	0.00047 U	0.00046 U	0.00047 U	0.00048 U
Tetrachloroethene	mg/kg	-	-	2.6	0.55	0.000049	0.0023	**0.00043 J**	-	**0.00063 J**	0.00042 U	0.00044 U	**0.0017**	**0.001 J**	0.00036 U	0.00039 U	0.00038 U	0.00035 U	0.00038 U	0.00041 U	0.00042 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00038 U
Toluene	mg/kg	-	-	45,000	5,000	1.6	0.69	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	**0.001 J**	**0.00047 J**	0.00037 U	0.00038 U	0.00039 U
Total Xylenes (Calculated)	mg/kg	-	-	2,700	630	0.2	9.8	0.00059 U	-	0.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U	0.00063 U	0.00063 U	0.00057 U	0.00062 U	0.00067 U	0.00069 U	0.00066 U	0.00065 U	0.00057 U	**0.00138**	0.0006 U	0.0006 U	0.00061 U	0.00062 U
trans-1,2-Dichloroethene	mg/kg	-	-	690	150	0.031	0.029	0.00052 U	-	0.00057 U	0.00059 U	0.00062 U	0.00056 U	0.00052 U	0.00052 U	0.00055 U	0.00055 U	0.0005 U	0.00054 U	0.00058 U	0.00061 U	0.00058 U	0.00057 U	0.0005 U	0.00052 U	0.00053 U	0.00052 U	0.00053 U	0.00054 U
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.00045 U	-	0.00049 U	0.00052 U	0.00054 U	0.00049 U	0.00045 U	0.00045 U	0.00048 U	0.00048 U	0.00044 U	0.00047 U	0.00051 U	0.00053 U	0.0005 U	0.00049 U	0.00043 U	0.00046 U	0.00046 U	0.00045 U	0.00046 U	0.00047 U
Trichloroethene	mg/kg	-	-	14	2.8	0.00072	0.0018	0.00037 U	-	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U	0.00036 U	0.00039 U	0.00042 U	0.00043 U	0.00041 U	0.0004 U	0.00035 U	0.00037 U	0.00038 U	0.00037 U	0.00038 U	0.00039 U
Trichlorofluoromethane	mg/kg	-	-	3,400	790	0.83	-	0.0004 U	-	0.00044 U	**0.00056 J**	**0.0012 J**	0.00043 U	0.0004 U	0.0004 U	0.00043 U	0.00042 U	0.00039 U	0.00042 U	0.00045 U	0.00047 U	0.00045 U	0.00044 U	0.00038 U	0.0004 U	0.00041 U	0.0004 U	0.00041 U	0.00042 U
Vinyl chloride	mg/kg	-	-	1.7	0.06	0.0000056	0.00069	0.00067 U	-	0.00074 U	0.00077 U	0.00081 U	0.00073 U	0.00067 U	0.00067 U	0.00072 U	0.00071 U	0.00065 U	0.00071 U	0.00076 U	0.00079 U	0.00075 U	0.00074 U	0.00065 U	0.00068 U	0.00069 U	0.00068 U	0.00069 U	0.00071 U

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-01-1.0	SB-01-22.5	SB-02-1.5-SO	SB-02-7.5-SO	SB-02-14-SO	SB-03-1.0	SB-03-6.7	SB-03-11	SB-04-1.5-SO	SB-04-7.0-SO	SB-04-15-SO	SB-05A-1.0	SB-05B-8.0	SB-05B-14.3	SB-06-1.5	SB-06-7.0	SB-06-15	SB-07-01	SB-08-1.5	SB-08-7.0	SB-08-15	SB-09-1.0 B
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11
Metals																													
Antimony	mg/kg	-	380	410	31	0.66	0.27	**0.64** B, J	**1.9** B, J	**0.38** J	**0.32** J	**0.42** J	**0.75** J	**1.2** J	**0.51** J	**0.4** J	**0.32** J	**0.43** J	**0.32** J	0.3 U	**0.51** J	**1.4** J	**0.58** J	0.3 U	0.3 U	0.3 U	**0.36** J	**1.1** J	**0.48** J
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	**3.9**	**3.7**	**3.8**	**1.5**	**2.9**	**3.6**	**5**	**3.6**	**2.5**	**1.9**	**4.6**	**4**	**2.4**	**2.5**	**3.9**	**2.9**	**2.2**	**3.7**	**1.4**	**2.3**	**4.2**	**1.9**
Barium	mg/kg	-	63,000	190,000	15,000	300	82	**86**	**91**	**120**	**150**	**77**	**110**	**110**	**72**	**71**	**55**	**110**	**150**	**89**	**85**	**100**	**67**	**88**	**96**	**73**	**87**	**81**	**94**
Beryllium	mg/kg	-	190	2,000	160	58	3.2	**0.48** M2, J	**0.33** J	**0.39** J	**0.22** J	**0.21** J	**0.37** J	**0.32** J	**0.23** J	**0.23** J	**0.2** J	**0.21** J	**0.51**	0.3 U	0.3 U	**0.43** J	0.3 U	0.3 U	**0.41** J	0.3 U	0.3 U	0.3 U	**0.33** J
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	**0.13** J	0.1 U	0.1 U	0.1 U	0.1 U	**0.14** J	**0.12** J	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	**14** M2, B-1	**12** B-1	**23**	**13**	**15**	**20**	**19**	**35**	**12**	**10**	**17**	**23**	**18**	**12**	**16**	**16**	**13**	**14**	**7.7**	**21**	**15**	**14**
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	**17** M2	**20**	**22**	**51**	**18**	**23**	**24**	**15**	**14**	**17**	**14**	**23**	**15**	**16**	**18**	**11**	**9.7**	**19**	**10**	**14**	**16**	**15**
Lead	mg/kg	80	320	800	400	-	14	**16**	**3.6**	**7.7**	**3.3**	**3.6**	**13**	**16**	**8.8**	**4.1**	**3.1**	**2.8**	**7.8**	**4.5**	**2.9**	**7.9**	**5**	**2.6**	**13**	**2.6**	**5.2**	**6**	**4.9**
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	**0.073**	**0.067**	**0.035**	**0.032**	**0.042**	**0.07**	**0.074**	**0.039**	**0.078**	**0.04**	**0.04**	**0.047**	**0.025**	**0.033**	**0.02**	**0.062**	**0.028**	**0.045**	**0.023**	**0.016** J	**0.11**	**0.029**
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.2 U	0.2 U	**0.27** J	**0.79** J	**0.5** J	**0.27** J	**0.63** J	**2.6**	0.2 U	**0.94** J	**0.71** J	0.2 U	**0.61** B, J	**0.92** B, J	**0.7** B, J	**0.57** B, J	0.2 U	0.2 U	**0.27** B, J	**2.7** B	**0.35** B, J	0.2 U
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	**9.6** M2	**6.3**	**15**	**7.5**	**11**	**14**	**14**	**9.9**	**8.9**	**7.4**	**8.5**	**16**	**9.4**	**6.3**	**12**	**10**	**8**	**11**	**7.8**	**7.4**	**10**	**10**
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	**0.12** J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 MI	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	**66**	**35**	**56**	**39**	**32**	**57**	**53**	**38**	**39**	**21**	**38**	**62**	**31**	**28**	**50**	**26**	**31**	**96**	**34**	**28**	**30**	**42**
Semi Volatile Organic Compounds (SVOC)																													
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.1 U, RL1	0.05 U	0.5 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.25 U, RL1	0.05 U	0.05 U	0.25 U, RL1	0.25 U, RL1	0.05 U	0.05 U	0.05 U
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
1,2-Diphenylhydrazine/Azobenzene	mg/kg	-	-	23	5.1	0.00096	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.13 U, RL1	0.065 U	0.65 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.32 U, RL1	0.32 U, RL1	0.065 U	0.065 U	0.065 U
2,4,5-Trichlorophenol	mg/kg	-	-	62,000	6,100	14	-	0.26 U, RL1	0.13 U	1.3 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U, RL1	0.13 U	0.13 U	0.65 U, RL1	0.65 U, RL1	0.13 U	0.13 U	0.13 U
2,4,6-Trichlorophenol	mg/kg	-	-	160	44	0.023	-	0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.38 U, RL1	0.37 U, RL1	0.075 U	0.075 U	0.075 U
2,4-Dichlorophenol	mg/kg	-	-	1,800	180	0.13	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
2,4-Dimethylphenol	mg/kg	-	-	12,000	1,200	0.86	-	0.2 U, RL1	0.1 U	1 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U, RL1	0.1 U	0.1 U	0.5 U, RL1	0.5 U, RL1	0.1 U	0.1 U	0.1 U
2,4-Dinitrophenol	mg/kg	-	-	1,200	120	0.082	-	0.22 U, RL1	0.11 U	1.1 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.55 U, RL1	0.55 U, RL1	0.11 U	0.11 U	0.11 U
2,4-Dinitrotoluene	mg/kg	-	-	5.5	1.6	0.00029	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
2,6-Dinitrotoluene	mg/kg	-	-	620	61	0.05	-	0.19 U, RL1	0.095 U	0.95 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.47 U, RL1	0.095 U	0.095 U	0.48 U, RL1	0.47 U, RL1	0.095 U	0.095 U	0.095 U
2-Chloronaphthalene	mg/kg	-	-	82,000	6,300	15	-	0.13 U, RL1	0.065 U	0.65 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.32 U, RL1	0.32 U, RL1	0.065 U	0.065 U	0.065 U
2-Chlorophenol	mg/kg	-	-	5,100	390	0.15	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
2-Methylnaphthalene	mg/kg	-	-	4,100	310	0.75	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
2-Methylphenol	mg/kg	-	-	31,000	3,100	1.5	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
2-Nitroaniline	mg/kg	-	-	6,000	610	0.15	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
2-Nitrophenol	mg/kg	-	-	-	-	-	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
3,3'-Dichlorobenzidine	mg/kg	-	-	3.8	1.1	0.00098	-	0.3 U, RL1	0.15 U	1.5 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.75 U, RL1	0.75 U, RL1	0.15 U	0.15 U	0.15 U
3-Nitroaniline	mg/kg	-	-	-	-	-	-	0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.38 U, RL1	0.37 U, RL1	0.075 U	0.075 U	0.075 U
4,6-Dinitro-2-methylphenol	mg/kg	-	-	49	4.9	0.005	-	0.22 U, RL1	0.11 U	1.1 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.55 U, RL1	0.55 U, RL1	0.11 U	0.11 U	0.11 U
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.38 U, RL1	0.37 U, RL1	0.075 U	0.075 U	0.075 U
4-Chloro-3-methylphenol	mg/kg	-	-	62,000	6,100	4.3	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
4-Chloroaniline	mg/kg	-	-	8.6	2.4	0.00014	-	0.24 U, RL1	0.12 U	1.2 U, RL1	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U, RL1	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.6 U, RL1	0.12 U	0.12 U	0.6 U, RL1	0.6 U, RL1	0.12 U	0.12 U	0.12 U
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.17 U, RL1	0.085 U	0.85 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.42 U, RL1	0.085 U	0.085 U	0.42 U, RL1	0.42 U, RL1	0.085 U	0.085 U	0.085 U
4-Methylphenol	mg/kg	-	-	3,100	310	0.15	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
4-Nitroaniline	mg/kg	-	-	86	24	0.0014	-	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
4-Nitrophenol	mg/kg	-	-	-	-	-	-	0.28 U, RL1	0.14 U	1.4 U, RL1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U, RL1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.7 U, RL1	0.14 U	0.14 U	0.7 U, RL1	0.7 U, RL1	0.14 U	0.14 U	0.14 U
Acenaphthene	mg/kg	-	-	33,000	3,400	22	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Acenaphthylene	mg/kg	-	-	-	-	-	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Aniline	mg/kg	-	-	300	85	0.004	-	0.17 U, RL1	0.085 U	0.85 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.42 U, RL1	0.085 U	0.085 U	0.42 U, RL1	0.42 U, RL1	0.085 U	0.085 U	0.085 U
Anthracene	mg/kg	-	-	170,000	17,000	360	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
Benzidine	mg/kg	-	-	0.0075	0.0005	0.00000024	-	1.3 U, RL1	0.66 U	6.6 U, RL1	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	1.3 U, RL1	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	3.3 U, RL1	0.66 U	0.66 U	3.3 U, RL1	3.3 U, RL1	0.66 U	0.66 U	0.66 U
Benzo(a)anthracene	mg/kg	-	-	2.1	0.15	0.01	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Benzo(a)pyrene	mg/kg	-	0.13	0.21	0.015	0.0035	0.24	0.11 U, RL1	0.055 U	0.55 U, RL1	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.11 U, RL1	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U, RL1	0.055 U	0.055 U	0.28 U, RL1	0.27 U, RL1	0.055 U	0.055 U	0.055 U
Benzo(b)fluoranthene	mg/kg	-	-	2.1	0.15	0.035	-	0.1 U, RL1	0.05 U	0.5 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.25 U, RL1	0.05 U	0.05 U	0.25 U, RL1	0.25 U, RL1	0.05 U	0.05 U	0.05 U
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	-	0.22 U, RL1	0.11 U	1.1 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.55 U, RL1	0.55 U, RL1	0.11 U	0.11 U	0.11 U
Benzo(k)fluoranthene	mg/kg	-	-	21	1.5	0.35	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Benzoic acid	mg/kg	-	-	2,500,000	240,000	34	-	0.3 U, RL1	0.15 U	1.5 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	**0.32** J	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.75 U, RL1	0.75 U, RL1	0.15 U	0.15 U	0.15 U
Benzyl alcohol	mg/kg	-	-	62,000	6,100	0.89	-	0.4 U, RL1	0.2 U	2 U, RL1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U, RL1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U, RL1	0.2 U	0.2 U	1 U, RL1	1 U, RL1	0.2 U	0.2 U	0.2 U
Bis(2-chloroethoxy)methane	mg/kg	-	-	1,800	180	0.025	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Bis(2-chloroethyl)ether	mg/kg	-	-	1	0.21	0.0000031	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Bis(2-chloroisopropyl)ether	mg/kg	-	-	22	4.6	0.00012	-	0.12 U, RL1	0.06 C	0.6 U, RL1	0.06 C	0.06 C	0.06 U	0.06 C	0.06 C	0.12 U, RL1	0.06 C	0.06 C	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Bis(2-ethylhexyl)phthalate	mg/kg	-	-	120	35	1.1	1.4	0.18 U, RL1	0.09 U	0.9 U, RL1	**0.13** J	0.09 U	0.09 U	**0.41**	**0.54**	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
Butyl benzyl phthalate	mg/kg	-	-	910	260	0.51	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
Chrysene	mg/kg	-	-	210	15	1.1	-	0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.38 U, RL1	0.37 U, RL1	0.075 U	0.075 U	0.075 U
Dibenz(a,h)anthracene	mg/kg	-	-	0.21	0.015	0.011	-	0.2 U, RL1	0.1 U	1 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U, RL1	0.1 U	0.1 U	0.5 U, RL1	0.5 U, RL1	0.1 U	0.1 U	0.1 U
Dibenzofuran	mg/kg	-	-	1,000	78	0.68	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Diethyl phthalate	mg/kg	-	-	490,000	49,000	12	-	0.19 U, RL1	0.095 U	0.95 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.47 U, RL1	0.095 U	0.095 U	0.48 U, RL1	0.47 U, RL1	0.095 U	0.095 U	0.095 U
Dimethyl phthalate	mg/kg	-	-	-	-	-	-	0.13 U, RL1	0.065 U	0.65 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.32 U, RL1	0.32 U, RL1	0.065 U	0.065 U	0.065 U
Di-n-butyl phthalate	mg/kg	-	-	62,000	6,100	9.2	-	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	-	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
Fluoranthene	mg/kg	-	-	22,000	2,300	160	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Fluorene	mg/kg	-	-	22,000	2,300	27	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Hexachlorobenzene	mg/kg	-	-	1.1	0.3	0.00053	0.013	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Hexachlorocyclopentadiene	mg/kg	-	-	3,700	370	0.68	0.16	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
Hexachloroethane	mg/kg	-	-	120	35	0.0029	-	0.13 U, RL1	0.065 U	0.65 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.32 U, RL1	0.32 U, RL1	0.065 U	0.065 U	0.065 U
Indeno(1,2,3-cd)pyrene	mg/kg	-	-	2.1	0.15	0.12	-	0.26 U, RL1	0.13 U	1.3 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U, RL1	0.13 U	0.13 U	0.65 U, RL1	0.65 U, RL1	0.13 U	0.13 U	0.13 U
Isophorone	mg/kg	-	-	1,800	510	0.023	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Naphthalene	mg/kg	-	-	18	3.6	0.00047	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Nitrobenzene	mg/kg	-	-	24	4.8	0.000079	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
N-Nitroso-di-n-propylamine	mg/kg	-	-	0.25	0.069	0.0000072	-	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 U
N-Nitrosodiphenylamine	mg/kg	-	-	350	99	0.075	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
Pentachlorophenol	mg/kg	-	13	9	3	0.0057	0.01	0.3 U, RL1	0.15 U	1.5 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.75 U, RL1	0.75 U, RL1	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	-	-	-	-	-	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.3 U, RL1	0.3 U, RL1	0.06 U	0.06 U	0.06 U
Phenol	mg/kg	-	-	180,000	18,000	6.3	-	0.18 U, RL1	0.09 U	0.9 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.45 U, RL1	0.09 U	0.09 U	**1.1** RL1 J	0.45 U, RL1	0.09 U	0.09 U	0.09 U

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-01-1.0	SB-01-22.5	SB-02-1.5-SO	SB-02-7.5-SO	SB-02-14-SO	SB-03-1.0	SB-03-6.7	SB-03-11	SB-04-1.5-SO	SB-04-7.0-SO	SB-04-15-SO	SB-05A-1.0	SB-05B-8.0	SB-06B-14.3	SB-06-1.5	SB-06-7.0	SB-06-15	SB-07-01	SB-08-1.5	SB-08-7.0	SB-08-15	SB-09-1.0-B
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	9-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11
Metals																													
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.64 B, J	1.9 B, J	0.38 J	0.32 J	0.42 J	0.75 J	1.7 J	0.51 J	0.4 J	0.32 J	0.43 J	0.32 J	0.3 U	0.51 J	1.4 J	0.58 J	0.3 U	0.3 U	0.3 U	0.36 J	1.1 J	0.48 J
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	2.9	3.7	3.9	1.5	2.9	3.6	5	3.6	2.5	1.9	4.6	4	2.4	2.5	3.9	2.9	2.2	3.7	1.4	2.3	4.2	1.9
Barium	mg/kg	-	63,000	190,000	15,000	300	82	86	91	120	150	77	110	110	72	71	55	110	150	89	85	100	67	88	96	73	87	81	94
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.48 M2, J	0.33 J	0.39 J	0.22 J	0.21 J	0.37 J	0.32 J	0.23 J	0.23 J	0.2 J	0.21 J	0.51	0.3 U	0.3 U	0.43 J	0.3 U	0.3 U	0.41 J	0.3 U	0.3 U	0.3 U	0.33 J
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.13 J	0.1 U	0.1 U	0.1 U	0.1 U	0.14 J	0.12 J	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	14 M2, B-1	12 B-1	23	13	15	20	19	35	12	10	17	23	18	12	16	16	13	14	7.7	21	15	14
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	17 M2	20	22	51	18	23	24	15	14	17	14	23	15	16	18	11	9.7	19	10	14	16	15
Lead	mg/kg	80	320	800	400	-	14	16	3.6	7.7	3.3	3.6	13	16	8.8	4.1	3.1	7.8	7.8	4.5	2.9	7.9	5	2.6	13	2.6	5.2	6	4.9
Mercury	mg/kg	18	180	3.4	5.6	0.03	0.1	0.073	0.067	0.035	0.032	0.042	0.07	0.074	0.039	0.078	0.04	0.04	0.047	0.025	0.033	0.02	0.062	0.028	0.045	0.023	0.016 J	0.11	0.029
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.2 U	0.2 U	0.27 J	0.79 J	0.5 J	0.27 J	0.63 J	2.6	0.2 U	0.94 J	0.71 J	0.2 U	0.61 B, J	0.92 B, J	0.7 B, J	0.57 B, J	0.2 U	0.2 U	0.27 B, J	2.7 B	0.35 B, J	0.2 U
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	9.6 M2	6.3	15	7.5	11	14	14	9.9	8.9	7.4	8.5	16	9.4	6.3	12	10	8	11	7.8	7.4	10	10
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	0.12 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 M1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	66	35	56	39	32	57	53	38	39	21	38	62	31	28	50	25	31	95	34	28	30	42
Pyrene	mg/kg	-	-	17,000	1,700	120	-	0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.4 U, RL1	0.4 U, RL1	0.08 U	0.08 U	0.08 U
Polychlorinated Biphenyls (PCB)																													
Aroclor 1016	mg/kg	-	-	21	3.9	0.092	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1221	mg/kg	-	-	0.54	0.14	0.000012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1232	mg/kg	-	-	0.54	0.14	0.000012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1242	mg/kg	-	-	0.74	0.22	0.0053	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1248	mg/kg	-	-	0.74	0.22	0.0052	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1254	mg/kg	-	-	0.74	0.22	0.0088	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.017 J	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1260	mg/kg		-	0.74	0.22	0.024	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Total PCBs (Calculated)	mg/kg	0.089	0.3	0.74	0.22	0.026	0.078	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.017	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U

Notes:

1. California Office of Environmental Health Hazard Assessment, Sep 2010
2. US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010

mg/kg - milligrams per kilogram

B-1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.

C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J - Estimated value. Analyte detected at a level less than the laboratory Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

- - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

M1-M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

R - The Relative percentage difference (RPD) exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.

RL1 - RL raised due to sample matrix effects.

R-2 - The RPD exceeded the acceptance limit.

U - Analyte not detected at the indicated laboratory RL

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23	(Bold) Detected concentration
1.23 (dense shading)	Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based
1.23 (light shading)	Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1] Industrial Soil	CA OEHHA[1] Residential Soil	USEPA[2] Industrial Soil	USEPA[2] Residential Soil	USEPA[2] Protection of GW, Risk Based	USEPA[2] Protection of GW, MCL Based	SB-09-8.5 10-Mar-11	SB-09-13.5 10-Mar-11	SB-10-1.5 10-Mar-11	SB-10-8 10-Mar-11	SB-11-0.1 10-Mar-11	SB-11-7 10-Mar-11	SB-11-15.5 10-Mar-11
Metals														
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.3 U	0.3 U	0.72 J	0.35 J	0.3 U	0.59 J	0.72 J
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	3.8	2.3	3.5	2.8	3.7	5	3.6
Barium	mg/kg	-	63,000	190,000	15,000	300	82	110	190	90	120	86	100	99
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.3 J	0.3 U	0.3 J	0.3 U	0.3 U	0.42 J	0.3 U
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	25	12	15	16	13	23	18
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	22	13	17	13	16	22	13
Lead	mg/kg	80	320	800	400	-	14	5.4	2.3	23	5	5.4	15	7.5
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	0.042	0.041	0.083	0.026	0.035	0.035	0.044
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	1.3 B, J	0.44 B, J	0.2 U	1.4 B, J	0.2 U	0.74 B, J	2.5 B
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	10	10	11	8	10	17	8.3
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	1.3 J	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	43	42	59	39	36	59	39
Volatile Organic Compounds (VOC)														
1,1,1,2-Tetrachloroethane	mg/kg	-	-	9.3	1.9	0.0002	-	0.00047 U	0.00043 U	0.00047 U	0.00045 U	0.00049 U	0.00047 U	0.00042 U
1,1,1-Trichloroethane	mg/kg	-	-	38,000	8,700	3.2	0.07	0.00057 U	0.00052 U	0.00058 U	0.00056 U	0.0006 U	0.00058 U	0.00052 U
1,1,2,2-Tetrachloroethane	mg/kg	-	-	2.8	0.56	0.000026	-	0.00071 U	0.00064 U	0.00071 U	0.00069 U	0.00074 U	0.00071 U	0.00063 U
1,1,2-Trichloroethane	mg/kg	-	-	5.3	1.1	0.000078	0.0016	0.00071 U	0.00065 U	0.00072 U	0.00069 U	0.00075 U	0.00072 U	0.00064 U
1,1-Dichloroethane	mg/kg	-	-	17	3.3	0.00069	-	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
1,1-Dichloroethene	mg/kg	-	-	1,100	240	0.12	0.0025	0.00049 U	0.00045 U	0.00049 U	0.00048 U	0.00052 U	0.0005 U	0.00044 U
1,1-Dichloropropene	mg/kg	-	-	-	-	-	-	0.00033 U	0.0003 U	0.00033 U	0.00032 U	0.00035 U	0.00033 U	0.00029 U
1,2,3-Trichlorobenzene	mg/kg	-	-	490	49	0.087	-	0.00082 U	0.00075 U	0.00082 U	0.0008 U	0.00086 U	0.00083 U	0.00074 U
1,2,3-Trichloropropane	mg/kg	-	-	0.095	0.005	0.00000031	-	0.00082 U	0.00075 U	0.00082 U	0.0008 U	0.00086 U	0.00083 U	0.00074 U
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.00082 U	0.00075 U	0.00082 U	0.0008 U	0.00086 U	0.00083 U	0.00074 U
1,2,4-Trimethylbenzene	mg/kg	-	-	260	62	0.021	-	0.00064 U	0.00058 U	0.00064 U	0.00062 U	0.00067 U	0.00065 U	0.00057 U
1,2-Dibromo-3-chloropropane	mg/kg	-	-	0.069	0.0054	0.00000014	0.000086	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U
1,2-Dibromoethane (EDB)	mg/kg	-	-	0.17	0.034	0.0000018	0.000014	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.00078 U	0.00071 U	0.00078 U	0.00076 U	0.00082 U	0.00079 U	0.0007 U
1,2-Dichloroethane	mg/kg	-	-	2.2	0.43	0.000042	0.0014	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
1,2-Dichloropropane	mg/kg	-	-	4.5	0.89	0.00013	0.0017	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
1,3,5-Trimethylbenzene	mg/kg	-	-	10,000	780	0.52	-	0.00052 U	0.00047 U	0.00052 U	0.0005 U	0.00054 U	0.00052 U	0.00046 U
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.00069 U	0.00063 U	0.00069 U	0.00067 U	0.00073 U	0.0007 U	0.00062 U
1,3-Dichloropropane	mg/kg	-	-	20,000	1,600	0.25	-	0.00052 U	0.00047 U	0.00052 U	0.0005 U	0.00054 U	0.00052 U	0.00046 U
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.00077 U	0.0007 U	0.00077 U	0.00075 U	0.00081 U	0.00078 U	0.00069 U
2,2-Dichloropropane	mg/kg	-	-	-	-	-	-	0.00049 U	0.00045 U	0.00049 U	0.00048 U	0.00052 U	0.0005 U	0.00044 U
2-Chlorotoluene	mg/kg	-	-	20,000	1,600	0.71	-	0.00071 U	0.00065 U	0.00072 U	0.00069 U	0.00075 U	0.00072 U	0.00064 U
4-Chlorotoluene	mg/kg	-	-	72,000	5,500	2.5	-	0.00061 U	0.00055 U	0.00061 U	0.00059 U	0.00064 U	0.00061 U	0.00054 U
Benzene	mg/kg	-	-	5.4	1.1	0.00021	0.0026	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Bromobenzene	mg/kg	-	-	1,800	300	0.059	-	0.00069 U	0.00063 U	0.00069 U	0.00067 U	0.00073 U	0.0007 U	0.00062 U
Bromochloromethane	mg/kg	-	-	-	-	-	-	0.00074 U	0.00067 U	0.00074 U	0.00072 U	0.00078 U	0.00075 U	0.00066 U
Bromodichloromethane	mg/kg	-	-	1.4	0.27	0.000032	0.022	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Bromoform	mg/kg	-	-	220	61	0.0023	0.021	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
Bromomethane	mg/kg	-	-	32	7.3	0.0022	-	0.00076 U	0.00069 U	0.00076 U	0.00073 U	0.00079 U	0.00076 U	0.00068 U
Carbon tetrachloride	mg/kg	-	-	3	0.61	0.00017	0.0019	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Chlorobenzene	mg/kg	-	-	1,400	290	0.062	0.068	0.00043 U	0.00039 U	0.00043 U	0.00041 U	0.00045 U	0.00043 U	0.00038 U
Chloroethane	mg/kg	-	-	61,000	15,000	5.9	-	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U
Chloroform	mg/kg	-	-	1.5	0.29	0.000053	0.022	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Chloromethane	mg/kg	-	-	500	120	0.049	-	0.00082 U	0.00075 U	0.00082 U	0.0008 U	0.00086 U	0.00083 U	0.00074 U
cis-1,2-Dichloroethene	mg/kg	-	-	10,000	780	0.11	0.021	0.00068 U	0.00062 U	0.00068 U	0.00066 U	0.00072 U	0.00069 U	0.00061 U
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.00036 U	0.00033 U	0.00036 U	0.00035 U	0.00038 U	0.00037 U	0.00032 U
Dibromochloromethane	mg/kg	-	-	3.3	0.68	0.000039	0.021	0.00057 U	0.00052 U	0.00058 U	0.00056 U	0.0006 U	0.00058 U	0.00052 U
Dibromomethane	mg/kg	-	-	110	25	0.002	-	0.00074 U	0.00067 U	0.00074 U	0.00072 U	0.00078 U	0.00075 U	0.00066 U
Dichlorodifluoromethane	mg/kg	-	-	780	180	0.61	-	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U
Ethylbenzene	mg/kg	-	-	27	5.4	0.0017	0.78	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
Isopropylbenzene	mg/kg	-	-	11,000	2,100	1.1	-	0.00044 U	0.0004 U	0.00044 U	0.00043 U	0.00047 U	0.00045 U	0.0004 U
m,p-Xylenes	mg/kg	-	-	-	-	-	-	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
Methylene chloride	mg/kg	-	-	53	11	0.0012	0.0013	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0056 U	0.0054 U	0.0048 U
Naphthalene	mg/kg	-	-	18	3.6	0.00047	-	0.0009 U	0.00082 U	0.00091 U	0.00088 U	0.00095 U	0.00091 U	0.00081 U
n-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00059 U	0.00054 U	0.00059 U	0.00057 U	0.00062 U	0.0006 U	0.00053 U
n-Propylbenzene	mg/kg	-	-	21,000	3,400	2.5	-	0.0005 U	0.00046 U	0.0005 U	0.00049 U	0.00053 U	0.00051 U	0.00045 U
o-Xylene	mg/kg	-	-	19,000	3,800	1.2	-	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
p-Isopropyltoluene	mg/kg	-	-	-	-	-	-	0.00059 U	0.00054 U	0.00059 U	0.00057 U	0.00062 U	0.0006 U	0.00053 U
sec-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00055 U	0.0005 U	0.00055 U	0.00053 U	0.00058 U	0.00056 U	0.00049 U
Styrene	mg/kg	-	-	36,000	6,300	1.8	0.11	0.00048 U	0.00043 U	0.00048 U	0.00046 U	0.0005 U	0.00048 U	0.00043 U
tert-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00051 U	0.00046 U	0.00051 U	0.00049 U	0.00054 U	0.00051 U	0.00046 U
Tetrachloroethene	mg/kg	-	-	2.6	0.55	0.000049	0.0023	0.0004 U	0.00037 U	0.0004 U	0.00039 U	0.00042 U	0.00041 U	0.00036 U
Toluene	mg/kg	-	-	45,000	5,000	1.6	0.69	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Total Xylenes (Calculated)	mg/kg	-	-	2,700	630	0.2	9.8	0.00066 U	0.0006 U	0.00066 U	0.00064 U	0.00069 U	0.00066 U	0.00059 U
trans-1,2-Dichloroethene	mg/kg	-	-	690	150	0.031	0.029	0.00057 U	0.00052 U	0.00058 U	0.00056 U	0.0006 U	0.00058 U	0.00052 U
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.0005 U	0.00046 U	0.0005 U	0.00049 U	0.00053 U	0.00051 U	0.00045 U
Trichloroethene	mg/kg	-	-	14	2.8	0.00072	0.0018	0.00041 U	0.00037 U	0.00041 U	0.0004 U	0.00043 U	0.00042 U	0.00037 U
Trichlorofluoromethane	mg/kg	-	-	3,400	790	0.83	-	0.00044 U	0.0004 U	0.00044 U	0.00043 U	0.00047 U	0.00045 U	0.0004 U
Vinyl chloride	mg/kg	-	-	1.7	0.06	0.0000056	0.00069	0.00075 U	0.00068 U	0.00075 U	0.00073 U	0.00079 U	0.00076 U	0.00067 U

Analyte (by Group)	SB-12-1.0 11-Mar-11	DUP-1 (SB-12-01) 11-Mar-11	SB-12-8.5 11-Mar-11	DUP-02 (SB-13-8.5 to 12) 11-Mar-11	SB-12-13.5 11-Mar-11	DUP-4 (SB-12-13) 11-Mar-11	SB-13-1 11-Mar-11	SB-13-7 11-Mar-11	SB-13-14 11-Mar-11	SB-14-0.1 11-Mar-11	DUPE-3 (SB-14-1) 11-Mar-11	SB-14-0.7 11-Mar-11	SB-15-1.0 11-Mar-11	SB-15-10.3 11-Mar-11	SB-15-13.3 11-Mar-11
Metals															
Antimony	0.79 J	0.43 J	0.66 J	0.49 J	5.7	0.7 J	0.3 U	0.3 U	0.3 U	0.42 J	0.3 U	0.3 U	0.88 J	0.37 J	0.83 J
Arsenic	11	19	8.8	3	7.9	3.4	3	2.2	2.4	3.2	4.1	2.7	2.1	2	1.9
Barium	85	88	130	97	240	97	100	95	87	130	130	87	86	110	120
Beryllium	0.32 J	0.37 J	0.33 J	0.45 J	0.72	0.3 U	0.46 J	0.3 U	0.3 U	0.88	0.98	0.65	0.35 J	0.36 J	0.32 J
Cadmium	0.3 U	0.43 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	14	16	22	20	1.7 J	23	16	20	20	23	25	16	16	46	49
Copper	16	18	21	19	13	18	19	15	15	21	23	19	14	20	15
Lead	5.4	13	5.7	4.9	5.1	3.5	7.2	5	4.1	8.9	11	12	3.3	3.8	3.5
Mercury	0.053	0.082	0.047	0.11	0.49	0.039	0.039	0.046	0.047	0.28	0.16	0.24	0.067	0.032	0.085
Molybdenum	0.4 B, J	0.23 B, J	0.86 B, J	0.34 B, J	0.29 B, J	1.3 B, J	0.2 B	1.8 B, J	2.2 B	0.78 B, J	0.67 B, J	0.48 B, J	0.76 B, J	0.6 B, J	0.69 B, J
Nickel	9.3	11	11	13	0.67 J	11	13	9.4	7.4	14	15	8.8	8.3	10	11
Selenium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	0.11 B, J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.9 J	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	33	43	41	44	89	32	47	36	33	60	68	65	33	39	39
Volatile Organic Compounds (VOC)															
1,1,1,2-Tetrachloroethane	0.00039 U	0.00039 U	0.00044 U	0.00042 U	0.00048 U	0.00049 U	0.00041 U	0.00045 U	0.00043 U	0.00043 U	0.00044 U	0.0004 U	0.00041 U	0.00045 U	0.00043 U
1,1,1-Trichloroethane	0.00048 U	0.00048 U	0.00054 U	0.00051 U	0.00059 U	0.00061 U	0.0005 U	0.00056 U	0.00053 U	0.00053 U	0.00055 U	0.00049 U	0.00051 U	0.00055 U	0.00052 U
1,1,2,2-Tetrachloroethane	0.00059 U	0.00059 U	0.00066 U	0.00063 U	0.00073 U	0.00074 U	0.00061 U	0.00068 U	0.00065 U	0.00065 U	0.00067 U	0.00061 U	0.00062 U	0.00068 U	0.00064 U
1,1,2-Trichloroethane	0.0006 U	0.00059 U	0.00067 U	0.00064 U	0.00074 U	0.00075 U	0.00062 U	0.00069 U	0.00066 U	0.00066 U	0.00068 U	0.00061 U	0.00063 U	0.00069 U	0.00065 U
1,1-Dichloroethane	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
1,1-Dichloroethene	0.00041 U	0.00041 U	0.00046 U	0.00044 U	0.00051 U	0.00052 U	0.00043 U	0.00048 U	0.00045 U	0.00046 U	0.00047 U	0.00042 U	0.00044 U	0.00047 U	0.00045 U
1,1-Dichloropropene	0.00028 U	0.00027 U	0.00031 U	0.00029 U	0.00034 U	0.00035 U	0.00028 U	0.00032 U	0.0003 U	0.0003 U	0.00031 U	0.00028 U	0.00029 U	0.00031 U	0.0003 U
1,2,3-Trichlorobenzene	0.00069 U	0.00068 U	0.00077 U	0.00073 U	0.00085 U	0.00087 U	0.00071 U	0.00079 U	0.00075 U	0.00076 U	0.00078 U	0.00071 U	0.00073 U	0.00079 U	0.00075 U
1,2,3-Trichloropropane	0.00069 U	0.00068 U	0.00077 U	0.00073 U	0.00085 U	0.00087 U	0.00071 U	0.00079 U	0.00075 U	0.00076 U	0.00078 U	0.00071 U	0.00073 U	0.00079 U	0.00075 U
1,2,4-Trichlorobenzene	0.00069 U	0.00068 U	0.00077 U	0.00073 U	0.00085 U	0.00087 U	0.00071 U	0.00079 U	0.00075 U	0.00076 U	0.00078 U	0.00071 U	0.00073 U	0.00079 U	0.00075 U
1,2,4-Trimethylbenzene	0.00054 U	0.00053 U	0.0006 U	0.00057 U	0.00066 U	0.00067 U	0.00056 U	0.00062 U	0.00059 U	0.00059 U	0.00061 U	0.00055 U	0.00057 U	0.00061 U	0.00058 U
1,2-Dibromo-3-chloropropane	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dibromoethane (EDB)	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
1,2-Dichlorobenzene	0.00066 U	0.00065 U	0.00073 U	0.00069 U	0.00081 U	0.00082 U	0.00068 U	0.00075 U	0.00072 U	0.00072 U	0.00074 U	0.00067 U	0.00069 U	0.00075 U	0.00071 U
1,2-Dichloroethane	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
1,2-Dichloropropane	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
1,3,5-Trimethylbenzene	0.00044 U	0.00043 U	0.00049 U	0.00046 U	0.00053 U	0.00054 U	0.00045 U	0.0005 U	0.00047 U	0.00048 U	0.00049 U	0.00044 U	0.00046 U	0.0005 U	0.00047 U
1,3-Dichlorobenzene	0.00058 U	0.00057 U	0.00065 U	0.00061 U	0.00071 U	0.00073 U	0.0006 U	0.00067 U	0.00063 U	0.00064 U	0.00065 U	0.00059 U	0.00061 U	0.00066 U	0.00063 U
1,3-Dichloropropane	0.00044 U	0.00043 U	0.00049 U	0.00046 U	0.00053 U	0.00054 U	0.00045 U	0.0005 U	0.00047 U	0.00048 U	0.00049 U	0.00044 U	0.00046 U	0.0005 U	0.00047 U
1,4-Dichlorobenzene	0.00065 U	0.00064 U	0.00072 U	0.00069 U	0.0008 U	0.00081 U	0.00067 U	0.00075 U	0.00071 U	0.00072 U	0.00073 U	0.00066 U	0.00068 U	0.00074 U	0.0007 U
2,2-Dichloropropane	0.00041 U	0.00041 U	0.00046 U	0.00044 U	0.00051 U	0.00052 U	0.00043 U	0.00048 U	0.00045 U	0.00046 U	0.00047 U	0.00042 U	0.00044 U	0.00047 U	0.00045 U
2-Chlorotoluene	0.0006 U	0.00059 U	0.00067 U	0.00064 U	0.00074 U	0.00075 U	0.00062 U	0.00069 U	0.00066 U	0.00066 U	0.00068 U	0.00061 U	0.00063 U	0.00069 U	0.00065 U
4-Chlorotoluene	0.00051 U	0.0005 U	0.00057 U	0.00054 U	0.00063 U	0.00064 U	0.00053 U	0.00059 U	0.00056 U	0.00056 U	0.00058 U	0.00052 U	0.00054 U	0.00058 U	0.00055 U
Benzene	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Bromobenzene	0.00058 U	0.00057 U	0.00065 U	0.00061 U	0.00071 U	0.00073 U	0.0006 U	0.00067 U	0.00063 U	0.00064 U	0.00065 U	0.00059 U	0.00061 U	0.00066 U	0.00063 U
Bromochloromethane	0.00062 U	0.00061 U	0.00069 U	0.00066 U	0.00076 U	0.00078 U	0.00064 U	0.00071 U	0.00068 U	0.00068 U	0.0007 U	0.00064 U	0.00065 U	0.00071 U	0.00067 U
Bromodichloromethane	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Bromoform	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
Bromomethane	0.00064 U	0.00063 U	0.00071 U	0.00067 U	0.00078 U	0.0008 U	0.00066 U	0.00073 U	0.00069 U	0.0007 U	0.00072 U	0.00065 U	0.00067 U	0.00072 U	0.00069 U
Carbon tetrachloride	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Chlorobenzene	0.00036 U	0.00035 U	0.0004 U	0.00038 U	0.00044 U	0.00045 U	0.00037 U	0.00041 U	0.00039 U	0.0004 U	0.0004 U	0.00037 U	0.00038 U	0.00041 U	0.00039 U
Chloroethane	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Chloroform	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Chloromethane	0.00069 U	0.00068 U	0.00077 U	0.00073 U	0.00085 U	0.00087 U	0.00071 U	0.00079 U	0.00075 U	0.00076 U	0.00078 U	0.00071 U	0.00073 U	0.00079 U	0.00075 U
cis-1,2-Dichloroethene	0.00057 U	0.00056 U	0.00064 U	0.00061 U	0.0007 U	0.00072 U	0.00059 U	0.00066 U	0.00062 U	0.00063 U	0.00065 U	0.00059 U	0.0006 U	0.00065 U	0.00062 U
cis-1,3-Dichloropropene	0.0003 U	0.0003 U	0.00034 U	0.00032 U	0.00037 U	0.00038 U	0.00031 U	0.00035 U	0.00033 U	0.00033 U	0.00034 U	0.00031 U	0.00032 U	0.00035 U	0.00033 U
Dibromochloromethane	0.00048 U	0.00048 U	0.00054 U	0.00051 U	0.00059 U	0.00061 U	0.0005 U	0.00056 U	0.00053 U	0.00053 U	0.00055 U	0.00049 U	0.00051 U	0.00055 U	0.00052 U
Dibromomethane	0.00062 U	0.00061 U	0.00069 U	0.00066 U	0.00076 U	0.00078 U	0.00064 U	0.00071 U	0.00068 U	0.00068 U	0.0007 U	0.00064 U	0.00065 U	0.00071 U	0.00067 U
Dichlorodifluoromethane	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Ethylbenzene	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Hexachlorobutadiene	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
Isopropylbenzene	0.00037 U	0.00037 U	0.00042 U	0.00039 U	0.00046 U	0.00047 U	0.00038 U	0.00043 U	0.00041 U	0.00041 U	0.00042 U	0.00038 U	0.00039 U	0.00043 U	0.0004 U
m,p-Xylenes	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
Methylene chloride	0.0045 U	0.0044 U	0.005 U	0.0047 U	0.0055 U	0.0056 U	0.0046 U	0.0052 U	0.0049 U	0.0049 U	0.0051 U	0.0046 U	0.0047 U	0.0051 U	0.0049 U
Naphthalene	0.00076 U	0.00075 U	0.00085 U	0.0008 U	0.00093 U	0.00095 U	0.00078 U	0.00087 U	0.00083 U	0.00084 U	0.00086 U	0.00078 U	0.0008 U	0.00087 U	0.00082 U
n-Butylbenzene	0.0005 U	0.00049 U	0.00055 U	0.00053 U	0.00061 U	0.00062 U	0.00051 U	0.00057 U	0.00054 U	0.00055 U	0.00056 U	0.00051 U	0.00052 U	0.00057 U	0.00054 U
n-Propylbenzene	0.00042 U	0.00041 U	0.00047 U	0.00045 U	0.00052 U	0.00053 U	0.00043 U	0.00048 U	0.00046 U	0.00046 U	0.00048 U	0.00043 U	0.00044 U	0.00048 U	0.00046 U
o-Xylene	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
p-Isopropyltoluene	0.00094 J	0.00068 J	0.00055 U	0.00053 U	0.00061 U	0.00062 U	0.00051 U	0.00057 U	0.00054 U	0.00055 U	0.00056 U	0.00051 U	0.00052 U	0.00057 U	0.00054 U
sec-Butylbenzene	0.00046 U	0.00046 U	0.00052 U	0.00049 U	0.00057 U	0.00058 U	0.00048 U	0.00053 U	0.0005 U	0.00051 U	0.00052 U	0.00047 U	0.00049 U	0.00053 U	0.0005 U
Styrene	0.0004 U	0.00039 U	0.00045 U	0.00042 U	0.00049 U	0.0005 U	0.00041 U	0.00046 U	0.00044 U	0.00044 U	0.00045 U	0.00041 U	0.00042 U	0.00046 U	0.00043 U
tert-Butylbenzene	0.00043 U	0.00042 U	0.00048 U	0.00045 U	0.00053 U	0.00054 U	0.00044 U	0.00049 U	0.00047 U	0.00047 U	0.00048 U	0.00044 U	0.00045 U	0.00049 U	0.00046 U
Tetrachloroethene	0.00034 U	0.00033 U	0.00038 U	0.00036 U	0.00042 U	0.00042 U	0.00035 U	0.00039 U	0.00037 U	0.00037 U	0.00038 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Toluene	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Total Xylenes (Calculated)	0.00055 U	0.00054 U	0.00062 U	0.00058 U	0.00068 U	0.00069 U	0.00057 U	0.00063 U	0.0006 U	0.00061 U	0.00062 U	0.00056 U	0.00058 U	0.00063 U	0.0006 U
trans-1,2-Dichloroethene	0.00048 U	0.00048 U	0.00054 U	0.00051 U	0.00059 U	0.00061 U	0.0005 U	0.00056 U	0.00053 U	0.00053 U	0.00055 U	0.00049 U	0.00051 U	0.00055 U	0.00052 U
trans-1,3-Dichloropropene	0.00042 U	0.00041 U	0.00047 U	0.00045 U	0.00052 U	0.00053 U	0.00043 U	0.00048 U	0.00046 U	0.00046 U	0.00048 U	0.00043 U	0.00044 U	0.00048 U	0.00046 U
Trichloroethene	0.00035 U	0.00034 U	0.00039 U	0.00036 U	0.00042 U	0.00043 U	0.00036 U	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Trichlorofluoromethane	0.00037 U	0.00037 U	0.00042 U	0.00039 U	0.00046 U	0.00047 U	0.00038 U	0.00043 U	0.00041 U	0.00041 U	0.00042 U	0.00038 U	0.00039 U	0.00043 U	0.0004 U
Vinyl chloride	0.00063 U	0.00062 U	0.0007 U	0.00066 U	0.00077 U	0.00079 U	0.00065 U	0.00072 U	0.00069 U	0.00069 U	0.00071 U	0.00064 U	0.00066 U	0.00072 U	0.00068 U

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23	(Bold) Detected concentration
1.23 (dense shading)	Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based
1.23 (light stipple)	Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-09-8.5	SB-09-13.5	SB-10-1.5	SB-10-8	SB-11-01	SB-11-7	SB-11-15.5	SB-12-1.0	DUP-1	SB-12-8.5	DUP-02	SB-12-13.5	DUP-4	SB-13-1	SB-13-7	SB-13-14	SB-14-01	DUPE-3	SB-14-07	SB-15-1.0	SB-15-10.3	SB-15-13.3
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based									(SB-12-01)		(SB-13-8.5 to 12)		(SB-12-13)					(SB-14-1)				
								10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11
Metals																													
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.3 U	0.3 U	**0.72** J	**0.35** J	0.3 U	**0.59** J	**0.72** J	**0.79** J	**0.43** J	**0.66** J	**0.49** J	**5.7**	**0.7** J	0.3 U	0.3 U	0.3 U	**0.42** J	0.3 U	0.3 U	**0.88** J	**0.37** J	**0.83** J
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	**3.8**	**2.3**	**3.5**	**2.8**	**3.7**	**5**	**3.6**	**11**	**19**	**8.8**	**3**	**7.9**	**3.4**	**3**	**2.2**	**2.4**	**3.2**	**4.1**	**2.7**	**2.1**	**2**	**1.9**
Barium	mg/kg	-	63,000	190,000	15,000	300	82	**110**	**190**	**90**	**120**	**86**	**100**	**99**	**85**	**88**	**130**	**97**	**240**	**97**	**100**	**95**	**87**	**130**	**130**	**87**	**86**	**110**	**120**
Beryllium	mg/kg	-	190	2,000	160	58	3.2	**0.3** J	0.3 U	**0.3** J	0.3 U	0.3 U	**0.42** J	0.3 U	**0.32** J	**0.37** J	**0.33** J	**0.45** J	**0.72**	0.3 U	**0.46** J	0.3 U	0.3 U	**0.88**	**0.98**	**0.65**	**0.35** J	**0.36** J	**0.32** J
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	**0.43** J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	**25**	**12**	**15**	**16**	**13**	**23**	**18**	**14**	**16**	**22**	**20**	**1.7** J	**23**	**16**	**20**	**20**	**23**	**25**	**16**	**16**	**46**	**49**
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	**22**	**13**	**17**	**13**	**16**	**22**	**13**	**16**	**18**	**21**	**19**	**13**	**18**	**19**	**15**	**15**	**21**	**23**	**19**	**14**	**20**	**15**
Lead	mg/kg	80	320	800	400	-	14	**5.4**	**2.3**	**23**	**5**	**5.4**	**15**	**7.5**	**5.4**	**13**	**5.7**	**4.9**	**5.1**	**3.5**	**7.2**	**5**	**4.1**	**8.9**	**11**	**12**	**3.3**	**3.8**	**3.5**
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	**0.042**	**0.041**	**0.083**	**0.026**	**0.035**	**0.035**	**0.044**	**0.053**	**0.082**	**0.047**	**0.11**	**0.49**	**0.039**	**0.039**	**0.046**	**0.047**	**0.28**	**0.16**	**0.24**	**0.067**	**0.032**	**0.085**
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	**1.3** B, J	**0.44** B, J	0.2 U	**1.4** B, J	0.2 U	**0.74** B, J	**2.5** B	**0.4** B, J	**0.23** B, J	**0.86** B, J	**0.34** B, J	**0.29** B, J	**1.3** B, J	0.2 B	**1.8** B, J	**2.2** B	**0.78** B, J	**0.67** B, J	**0.48** B, J	**0.76** B, J	**0.6** B, J	**0.69** B, J
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	**10**	**10**	**11**	**8**	**10**	**17**	**8.3**	**9.3**	**11**	**11**	**13**	**0.67** J	**11**	**13**	**9.4**	**7.4**	**14**	**15**	**8.8**	**8.3**	**10**	**11**
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.11** B, J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	**1.3** J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**1.9** J	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	**43**	**42**	**59**	**39**	**36**	**59**	**39**	**33**	**43**	**41**	**44**	**89**	**32**	**47**	**36**	**33**	**60**	**68**	**65**	**33**	**39**	**39**
Semi Volatile Organic Compounds (SVOC)																													
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.05 U	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.2 U, RL1	0.1 U, RL1
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
1,2-Diphenylhydrazine/Azobenzene	mg/kg	-	-	23	5.1	0.00096	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.26 U, RL1	0.13 U, RL1
2,4,5-Trichlorophenol	mg/kg	-	-	62,000	6,100	14	-	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.13 U	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.52 U, RL1	0.26 U, RL1
2,4,6-Trichlorophenol	mg/kg	-	-	160	44	0.023	-	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.3 U, RL1	0.15 U, RL1
2,4-Dichlorophenol	mg/kg	-	-	1,800	180	0.13	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
2,4-Dimethylphenol	mg/kg	-	-	12,000	1,200	0.86	-	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.1 U	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.4 U, RL1	0.2 U, RL1
2,4-Dinitrophenol	mg/kg	-	-	1,200	120	0.082	-	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.44 U, RL1	0.22 U, RL1
2,4-Dinitrotoluene	mg/kg	-	-	5.5	1.6	0.00029	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
2,6-Dinitrotoluene	mg/kg	-	-	620	61	0.05	-	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.095 U	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.38 U, RL1	0.19 U, RL1
2-Chloronaphthalene	mg/kg	-	-	82,000	6,300	15	-	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.26 U, RL1	0.13 U, RL1
2-Chlorophenol	mg/kg	-	-	5,100	390	0.15	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
2-Methylnaphthalene	mg/kg	-	-	4,100	310	0.75	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
2-Methylphenol	mg/kg	-	-	31,000	3,100	1.5	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
2-Nitroaniline	mg/kg	-	-	6,000	610	0.15	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
2-Nitrophenol	mg/kg	-	-	-	-	-	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
3,3'-Dichlorobenzidine	mg/kg	-	-	3.8	1.1	0.00098	-	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.15 U	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.6 U, RL1	0.3 U, RL1
3-Nitroaniline	mg/kg	-	-	-	-	-	-	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.3 U, RL1	0.15 U, RL1
4,6-Dinitro-2-methylphenol	mg/kg	-	-	49	4.9	0.005	-	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.44 U, RL1	0.22 U, RL1
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.3 U, RL1	0.15 U, RL1
4-Chloro-3-methylphenol	mg/kg	-	-	62,000	6,100	4.3	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
4-Chloroaniline	mg/kg	-	-	8.6	2.4	0.00014	-	0.12 U	0.12 U	0.12 U	0.24 U, RL1	0.12 U	0.24 U, RL1	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U, RL1	0.24 U, RL1	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U, RL1	0.48 U, RL1	0.24 U, RL1
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.085 U	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.34 U, RL1	0.17 U, RL1
4-Methylphenol	mg/kg	-	-	3,100	310	0.15	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
4-Nitroaniline	mg/kg	-	-	86	24	0.0014	-	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
4-Nitrophenol	mg/kg	-	-	-	-	-	-	0.14 U	0.14 U	0.14 U	0.28 U, RL1	0.14 U	0.28 U, RL1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U, RL1	0.28 U, RL1	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U, RL1	0.56 U, RL1	0.28 U, RL1
Acenaphthene	mg/kg	-	-	33,000	3,400	22	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Acenaphthylene	mg/kg	-	-	-	-	-	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Aniline	mg/kg	-	-	300	85	0.004	-	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.085 U	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.17 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.17 U, RL1	0.34 U, RL1	0.17 U, RL1
Anthracene	mg/kg	-	-	170,000	17,000	360	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
Benzidine	mg/kg	-	-	0.0075	0.0005	0.00000024	-	0.66 U	0.66 U	0.66 U	1.3 U, RL1	0.66 U	1.3 U, RL1	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	1.3 U, RL1	1.3 U, RL1	0.66 U	0.66 U	0.66 U	0.66 U	1.3 U, RL1	2.6 U, RL1	1.3 U, RL1
Benzo(a)anthracene	mg/kg	-	-	2.1	0.15	0.01	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Benzo(a)pyrene	mg/kg	-	0.13	0.21	0.015	0.0035	0.24	0.055 U	0.055 U	0.055 U	0.11 U, RL1	0.055 U	0.11 U, RL1	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.11 U, RL1	0.11 U, RL1	0.055 U	0.055 U	0.055 U	0.055 U	0.11 U, RL1	0.22 U, RL1	0.11 U, RL1
Benzo(b)fluoranthene	mg/kg	-	-	2.1	0.15	0.035	-	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.05 U	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.1 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U, RL1	0.2 U, RL1	0.1 U, RL1
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	-	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.11 U	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.22 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U, RL1	0.44 U, RL1	0.22 U, RL1
Benzo(k)fluoranthene	mg/kg	-	-	21	1.5	0.35	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Benzoic acid	mg/kg	-	-	2,500,000	240,000	34	-	**0.17** J	0.15 U	0.15 U	0.3 U, RL1	0.15 U	0.3 U, RL1	**0.21** J	**0.21** J	0.15 U	**0.18** J	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.6 U, RL1	0.3 U, RL1
Benzyl alcohol	mg/kg	-	-	62,000	6,100	0.89	-	0.2 U	0.2 U	0.2 U	0.4 U, RL1	0.2 U	0.4 U, RL1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U, RL1	0.4 U, RL1	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U, RL1	0.8 U, RL1	0.4 U, RL1
Bis(2-chloroethoxy)methane	mg/kg	-	-	1,800	180	0.025	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Bis(2-chloroethyl)ether	mg/kg	-	-	1	0.21	0.0000031	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Bis(2-chloroisopropyl)ether	mg/kg	-	-	22	4.6	0.00012	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Bis(2-ethylhexyl)phthalate	mg/kg	-	-	120	35	1.1	1.4	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	**0.25** J	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
Butyl benzyl phthalate	mg/kg	-	-	910	260	0.51	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
Chrysene	mg/kg	-	-	210	15	1.1	-	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.075 U	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.15 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.15 U, RL1	0.3 U, RL1	0.15 U, RL1
Dibenz(a,h)anthracene	mg/kg	-	-	0.21	0.015	0.011	-	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.1 U	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.2 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U, RL1	0.4 U, RL1	0.2 U, RL1
Dibenzofuran	mg/kg	-	-	1,000	78	0.68	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Diethyl phthalate	mg/kg	-	-	490,000	49,000	12	-	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.095 U	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.19 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.19 U, RL1	0.38 U, RL1	0.19 U, RL1
Dimethyl phthalate	mg/kg	-	-	-	-	-	-	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.26 U, RL1	0.13 U, RL1
Di-n-butyl phthalate	mg/kg	-	-	62,000	6,100	9.2	-	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	-	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
Fluoranthene	mg/kg	-	-	22,000	2,300	160	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Fluorene	mg/kg	-	-	22,000	2,300	27	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Hexachlorobenzene	mg/kg	-	-	1.1	0.3	0.00053	0.013	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Hexachlorocyclopentadiene	mg/kg	-	-	3,700	370	0.68	0.16	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1
Hexachloroethane	mg/kg	-	-	120	35	0.0029	-	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.065 U	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.13 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.13 U, RL1	0.26 U, RL1	0.13 U, RL1
Indeno(1,2,3-cd)pyrene	mg/kg	-	-	2.1	0.15	0.12	-	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.13 U	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.26 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U, RL1	0.52 U, RL1	0.26 U, RL1
Isophorone	mg/kg	-	-	1,800	510	0.023	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Naphthalene	mg/kg	-	-	18	3.6	0.00047	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Nitrobenzene	mg/kg	-	-	24	4.8	0.000079	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
N-Nitroso-di-n-propylamine	mg/kg	-	-	0.25	0.069	0.0000072	-	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.28 U, RL1	0.14 U, RL1
N-Nitrosodiphenylamine	mg/kg	-	-	350	99	0.075	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.32 U, RL1	0.16 U, RL1
Pentachlorophenol	mg/kg	-	13	9	3	0.0057	0.01	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.15 U	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.3 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.3 U, RL1	0.6 U, RL1	0.3 U, RL1
Phenanthrene	mg/kg	-	-	-	-	-	-	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.06 U	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.12 U, RL1	0.24 U, RL1	0.12 U, RL1
Phenol	mg/kg	-	-	180,000	18,000	6.3	-	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.09 U	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.18 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.18 U, RL1	0.36 U, RL1	0.18 U, RL1

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-09-8.5	SB-09-13.5	SB-10-1.5	SB-10-8	SB-11-01	SB-11-7	SB-11-15.5	SB-12-1.0	DUP-1 (SB-12-01)	SB-12-8.5	DUP-02 (SB-13-8.5 to 12)	SB-12-13.5	DUP-4 (SB-12-13)	SB-13-1	SB-13-7	SB-13-14	SB-14-01	DUPE-3 (SB-14-1)	SB-14-07	SB-15-1.0	SB-15-10.3	SB-15-13.3
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	10-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11	11-Mar-11
Metals																													
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.3 U	0.3 U	0.72 J	0.35 J	0.3 U	0.59 J	0.72 J	0.79 J	0.43 J	0.66 J	0.49 J	5.7	0.7 J	0.3 U	0.3 U	0.3 U	0.42 J	0.3 U	0.3 U	0.88 J	0.37 J	0.83 J
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	3.8	2.3	3.5	2.8	3.7	5	3.5	11	19	8.8	3	7.9	3.4	3	2.2	2.4	3.2	4.1	2.7	2.1	2	1.8
Barium	mg/kg	-	63,000	190,000	15,000	380	82	110	190	90	120	96	100	99	85	88	130	97	240	97	100	95	87	130	130	87	86	110	120
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.3 J	0.3 U	0.3 J	0.3 U	0.3 U	0.42 J	0.3 U	0.32 J	0.37 J	0.33 J	0.45 J	0.72	0.3 U	0.46 J	0.3 U	0.3 U	0.88	0.98	0.65	0.35 J	0.36 J	0.37 J
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.43 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	25	12	15	16	13	23	18	14	16	22	20	1.7 J	23	16	20	20	23	25	16	16	46	49
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	22	13	17	13	16	22	13	16	18	21	19	13	18	19	15	15	21	23	19	14	20	15
Lead	mg/kg	80	320	800	400	-	14	5.4	2.3	23	5	5.4	15	7.5	5.4	13	5.7	4.9	5.1	3.5	7.2	5	4.1	8.9	11	12	3.3	3.8	3.5
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	0.042	0.041	0.083	0.026	0.035	0.035	0.044	0.053	0.082	0.047	0.11	0.49	0.039	0.039	0.046	0.047	0.28	0.16	0.24	0.057	0.032	0.035
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	1.3 B, J	0.44 B, J	0.2 U	1.4 B, J	0.2 U	0.74 B, J	2.5 B	0.4 B, J	0.23 B, J	0.86 B, J	0.34 B, J	0.29 B, J	1.3 B, J	0.2 B	1.8 B, J	2.2 B	0.78 B, J	0.67 B, J	0.48 B, J	0.76 B, J	0.6 B, J	0.69 B, J
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	10	10	11	8	10	17	8.3	9.3	11	11	13	0.67 J	11	13	9.4	7.4	14	15	8.8	8.3	10	11
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 B, J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	1.3 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.9 J	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	43	42	59	39	36	59	39	33	43	41	44	89	32	47	36	33	60	58	65	33	39	39
Pyrene	mg/kg	-	-	17,000	1,700	120	-	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.08 U	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.16 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1	0.22 U, RL1	0.16 U, RL1
Polychlorinated Biphenyls (PCB)																													
Aroclor 1016	mg/kg	-	-	21	3.9	0.092	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1221	mg/kg	-	-	0.54	0.14	0.00012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1232	mg/kg	-	-	0.54	0.14	0.00012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1242	mg/kg	-	-	0.74	0.22	0.0053	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1248	mg/kg	-	-	0.74	0.22	0.0052	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1254	mg/kg	-	-	0.74	0.22	0.0088	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1260	mg/kg	-	-	0.74	0.22	0.024	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Total PCBs (Calculated)	mg/kg	0.089	0.3	0.74	0.22	0.026	0.078	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U

Notes:

1. California Office of Environmental Health Hazard Assessment, Sep 2010
2. US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010

mg/kg - milligrams per kilogram

B-1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.

C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J - Estimated value. Analyte detected at a level less than the laboratory Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

:- Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

M1-M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

R - The Relative percentage difference (RPD) exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.

RL1 - RL raised due to sample matrix effects.

R-2 - The RPD exceeded the acceptance limit.

U - Analyte not detected at the indicated laboratory RL

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-16-1.0	SB-16-6.5	SB-16-14	DUP-6 (SB-16-13.5)	SB-17-1'	DUP-5 (SB-17-1)	SB-17-7'	SB-17-14'	SB-18-1.0	SB-18-11.5	SB-18-13	SB-19-1.1	SB-19-39.5
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	14-Mar-11	14-Mar-11
Metals																				
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.87 J	0.67 J	0.3 U	0.68 J	0.57 J	0.56 J	0.5 J	0.3 U	0.68 J	0.3 U	0.3 U	0.55 J	2.7
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	2.9	2.5	1.7	1.7	2.5	3.1	1.5	4.4	3.4	1	2.1	2.6	2.8
Barium	mg/kg	-	63,000	190,000	15,000	390	82	140	100	140	150	91	100	130	110	140	67	70	55	-
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.33 J	0.36 J	0.3 U	0.3 U	0.36 J	0.36 J	0.3 U	0.3 U	0.45 J	0.3 U	0.3 U	0.3	0.3 U
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.15 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	18	21	34	17	18	20	43	17	22	8.3	12	7.4	17
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	19	19	23	33	23	19	18	21	25	13	13	12	18
Lead	mg/kg	80	320	800	400	90	14	10	9.4	4	3	4.7	5.1	3.7	4.1	9	3.7	3.1	3.3	3.8
Mercury	mg/kg	18	180	34	5.6	0.03	0.1	0.053	0.054	0.12	0.049	0.064	0.031	0.038	0.25	0.36	0.089	0.51	0.022	0.031
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.21 J	0.36 J	2.1	0.77 J	0.43 J	0.2 U	2.5	1.2 J	0.24 J	0.2 U	0.7 J	0.4 J	5.6
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	13	13	8.5	8.4	13	13	8.9	9.6	16	6.7	6.9	6.6	7.3
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.094 U	0.096 U	0.094 U	0.096 U	0.2 J	0.098 U	0.094 U	0.096 U	0.096 U	0.1 U	0.098 U	0.1 U	0.21 J
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	620	-	43	43	37	36	39	41	34	27	57	23	25	22	35
Volatile Organic Compounds (VOC)																				
1,1,1,2-Tetrachloroethane	mg/kg	-	-	9.3	1.9	0.0002	-	0.00043 U	0.00038 U	0.00044 U	0.00043 U	0.00044 U	0.00049 U	0.00042 U	0.00046 U	0.00041 U	0.00044 U	0.00043 U	0.00046 U	0.00045 U
1,1,1-Trichloroethane	mg/kg	-	-	38,000	8,700	3.2	0.07	0.00052 U	0.00046 U	0.00054 U	0.00053 U	0.00054 U	0.0006 U	0.00052 U	0.00056 U	0.0005 U	0.00054 U	0.00053 U	0.00056 U	0.00056 U
1,1,2,2-Tetrachloroethane	mg/kg	-	-	2.8	0.56	0.000026	-	0.00064 U	0.00057 U	0.00066 U	0.00065 U	0.00067 U	0.00074 U	0.00064 U	0.00069 U	0.00062 U	0.00066 U	0.00065 U	0.00069 U	0.00068 U
1,1,2-Trichloroethane	mg/kg	-	-	5.3	1.1	0.000078	0.0016	0.00065 U	0.00058 U	0.00067 U	0.00065 U	0.00068 U	0.00075 U	0.00065 U	0.0007 U	0.00063 U	0.00067 U	0.00065 U	0.00069 U	0.00069 U
1,1-Dichloroethane	mg/kg	-	-	17	3.3	0.00069	-	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
1,1-Dichloroethene	mg/kg	-	-	1,100	240	0.12	0.0025	0.00045 U	0.0004 U	0.00046 U	0.00045 U	0.00047 U	0.00052 U	0.00045 U	0.00048 U	0.00043 U	0.00046 U	0.00045 U	0.00048 U	0.00048 U
1,1-Dichloropropene	mg/kg	-	-	-	-	-	-	0.0003 U	0.00027 U	0.00031 U	0.0003 U	0.00031 U	0.00034 U	0.0003 U	0.00032 U	0.00029 U	0.00031 U	0.0003 U	0.00032 U	0.00032 U
1,2,3-Trichlorobenzene	mg/kg	-	-	490	49	0.087	-	0.00075 U	0.00066 U	0.00077 U	0.00075 U	0.00078 U	0.00086 U	0.00075 U	0.00081 U	0.00072 U	0.00076 U	0.00076 U	0.0008 U	0.00079 U
1,2,3-Trichloropropane	mg/kg	-	-	0.095	0.005	0.00000031	-	0.00075 U	0.00066 U	0.00077 U	0.00075 U	0.00078 U	0.00086 U	0.00075 U	0.00081 U	0.00072 U	0.00076 U	0.00076 U	0.0008 U	0.00079 U
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.00075 U	0.00066 U	0.00077 U	0.00075 U	0.00078 U	0.00086 U	0.00075 U	0.00081 U	0.00072 U	0.00076 U	0.00076 U	0.0008 U	0.00079 U
1,2,4-Trimethylbenzene	mg/kg	-	-	260	62	0.021	-	0.00059 U	0.00052 U	0.0006 U	0.00059 U	0.00061 U	0.00067 U	0.00058 U	0.00063 U	0.00056 U	0.0006 U	0.00059 U	0.00062 U	0.00062 U
1,2-Dibromo-3-chloropropane	mg/kg	-	-	0.069	0.0054	0.00000014	0.000086	0.0011 U	0.00099 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dibromoethane (EDB)	mg/kg	-	-	0.17	0.034	0.0000018	0.000014	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.00061 U	0.00064 U	0.00063 U
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.00071 U	0.00063 U	0.00073 U	0.00071 U	0.00074 U	0.00082 U	0.00071 U	0.00077 U	0.00068 U	0.00073 U	0.00072 U	0.00076 U	0.00075 U
1,2-Dichloroethane	mg/kg	-	-	2.2	0.43	0.000042	0.0014	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.00061 U	0.00064 U	0.00063 U
1,2-Dichloropropane	mg/kg	-	-	4.5	0.89	0.00013	0.0017	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.00061 U	0.00064 U	0.00063 U
1,3,5-Trimethylbenzene	mg/kg	-	-	10,000	780	0.52	-	0.00047 U	0.00042 U	0.00049 U	0.00047 U	0.00049 U	0.00054 U	0.00047 U	0.00051 U	0.00045 U	0.00048 U	0.00048 U	0.0005 U	0.0005 U
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.00063 U	0.00056 U	0.00065 U	0.00063 U	0.00065 U	0.00072 U	0.00063 U	0.00068 U	0.0006 U	0.00064 U	0.00064 U	0.00067 U	0.00067 U
1,3-Dichloropropane	mg/kg	-	-	20,000	1,600	0.25	-	0.00047 U	0.00042 U	0.00049 U	0.00047 U	0.00049 U	0.00054 U	0.00047 U	0.00051 U	0.00045 U	0.00048 U	0.00048 U	0.0005 U	0.0005 U
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.0007 U	0.00062 U	0.00073 U	0.00071 U	0.00073 U	0.00081 U	0.0007 U	0.00076 U	0.00068 U	0.00072 U	0.00071 U	0.00075 U	0.00075 U
2,2-Dichloropropane	mg/kg	-	-	-	-	-	-	0.00045 U	0.0004 U	0.00046 U	0.00045 U	0.00047 U	0.00052 U	0.00045 U	0.00048 U	0.00043 U	0.00046 U	0.00045 U	0.00048 U	0.00048 U
2-Chlorotoluene	mg/kg	-	-	20,000	1,600	0.71	-	0.00058 U	0.00051 U	0.00061 U	0.00059 U	0.00061 U	0.00068 U	0.00059 U	0.00064 U	0.00057 U	0.00061 U	0.00061 U	0.00064 U	0.00063 U
4-Chlorotoluene	mg/kg	-	-	72,000	5,500	2.5	-	0.00055 U	0.00049 U	0.00057 U	0.00056 U	0.00057 U	0.00064 U	0.00055 U	0.0006 U	0.00053 U	0.00057 U	0.00056 U	0.00059 U	0.00059 U
Benzene	mg/kg	-	-	5.4	1.1	0.00021	0.0026	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Bromobenzene	mg/kg	-	-	1,800	300	0.059	-	0.00063 U	0.00056 U	0.00065 U	0.00063 U	0.00065 U	0.00072 U	0.00063 U	0.00068 U	0.0006 U	0.00064 U	0.00064 U	0.00067 U	0.00067 U
Bromochloromethane	mg/kg	-	-	-	-	-	-	0.00067 U	0.0006 U	0.0007 U	0.00068 U	0.0007 U	0.00078 U	0.00067 U	0.00073 U	0.00065 U	0.00069 U	0.00068 U	0.00072 U	0.00071 U
Bromodichloromethane	mg/kg	-	-	1.4	0.27	0.000032	0.022	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Bromoform	mg/kg	-	-	220	61	0.0023	0.021	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.00061 U	0.00064 U	0.00063 U
Bromomethane	mg/kg	-	-	32	7.3	0.0022	-	0.00069 U	0.00061 U	0.00071 U	0.00069 U	0.00071 U	0.00079 U	0.00069 U	0.00074 U	0.00066 U	0.0007 U	0.0007 U	0.00073 U	0.00073 U
Carbon tetrachloride	mg/kg	-	-	3	0.61	0.00017	0.0019	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Chlorobenzene	mg/kg	-	-	1,400	290	0.062	0.068	0.00039 U	0.00034 U	0.0004 U	0.00039 U	0.0004 U	0.00045 U	0.00039 U	0.00042 U	0.00037 U	0.0004 U	0.00039 U	0.00042 U	0.00041 U
Chloroethane	mg/kg	-	-	61,000	15,000	5.9	-	0.0011 U	0.00099 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	mg/kg	-	-	1.5	0.29	0.000053	0.022	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Chloromethane	mg/kg	-	-	500	120	0.049	-	0.00075 U	0.00066 U	0.00077 U	0.00075 U	0.00078 U	0.00086 U	0.00075 U	0.00081 U	0.00072 U	0.00076 U	0.00076 U	0.0008 U	0.00079 U
cis-1,2-Dichloroethene	mg/kg	-	-	10,000	780	0.11	0.021	0.00062 U	0.00055 U	0.00064 U	0.00062 U	0.00064 U	0.00072 U	0.00062 U	0.00067 U	0.0006 U	0.00063 U	0.00063 U	0.00066 U	0.00066 U
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.00033 U	0.00029 U	0.00034 U	0.00033 U	0.00034 U	0.00038 U	0.00033 U	0.00035 U	0.00032 U	0.00034 U	0.00033 U	0.00035 U	0.00035 U
Dibromochloromethane	mg/kg	-	-	3.3	0.68	0.000039	0.021	0.00052 U	0.00046 U	0.00054 U	0.00053 U	0.00054 U	0.0006 U	0.00052 U	0.00056 U	0.0005 U	0.00054 U	0.00053 U	0.00056 U	0.00056 U
Dibromomethane	mg/kg	-	-	110	25	0.002	-	0.00067 U	0.0006 U	0.0007 U	0.00068 U	0.0007 U	0.00078 U	0.00067 U	0.00073 U	0.00065 U	0.00069 U	0.00068 U	0.00072 U	0.00071 U
Dichlorodifluoromethane	mg/kg	-	-	780	180	0.61	-	0.0011 U	0.00099 U	0.0012 U	0.0011 U	0.0012 U	0.0013 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0012 U
Ethylbenzene	mg/kg	-	-	27	5.4	0.0017	0.78	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.0006 U	0.00064 U	0.00063 U
Isopropylbenzene	mg/kg	-	-	11,000	2,100	1.1	-	0.0004 U	0.00036 U	0.00042 U	0.00041 U	0.00042 U	0.00047 U	0.0004 U	0.00044 U	0.00039 U	0.00041 U	0.00041 U	0.00043 U	0.00043 U
m,p-Xylenes	mg/kg	-	-	-	-	-	-	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.0006 U	0.00064 U	0.00063 U
Methylene chloride	mg/kg	-	-	53	11	0.0012	0.0013	0.0049 U	0.0043 U	0.005 U	0.0049 U	0.005 U	0.0056 U	0.0048 U	0.0052 U	0.0047 U	0.005 U	0.0049 U	0.0052 U	0.0052 U
Naphthalene	mg/kg	-	-	18	3.6	0.00047	-	0.00082 U	0.00072 U	0.00085 U	0.00083 U	0.00085 U	0.00095 U	0.00082 U	0.00089 U	0.00079 U	0.00084 U	0.00083 U	0.00088 U	0.00087 U
n-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00054 U	0.00048 U	0.00056 U	0.00054 U	0.00056 U	0.00062 U	0.00054 U	0.00058 U	0.00052 U	0.00055 U	0.00055 U	0.00058 U	0.00057 U
n-Propylbenzene	mg/kg	-	-	21,000	3,400	2.5	-	0.00046 U	0.0004 U	0.00047 U	0.00046 U	0.00047 U	0.00053 U	0.00045 U	0.00049 U	0.00044 U	0.00047 U	0.00046 U	0.00049 U	0.00048 U
o-Xylene	mg/kg	-	-	19,000	3,800	1.2	-	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
p-Isopropyltoluene	mg/kg	-	-	-	-	-	-	0.00054 U	0.00048 U	0.00056 U	0.00054 U	0.00056 U	0.00062 U	0.00054 U	0.00058 U	0.00052 U	0.00055 U	0.00055 U	0.00058 U	0.00057 U
sec-Butylbenzene	mg/kg	-	-	-	-	-	-	0.0005 U	0.00044 U	0.00052 U	0.0005 U	0.00052 U	0.00058 U	0.0005 U	0.00054 U	0.00048 U	0.00051 U	0.00051 U	0.00054 U	0.00053 U
Styrene	mg/kg	-	-	36,000	6,300	1.8	0.11	0.00043 U	0.00038 U	0.00045 U	0.00044 U	0.00045 U	0.0005 U	0.00043 U	0.00047 U	0.00042 U	0.00044 U	0.00044 U	0.00046 U	0.00046 U
tert-Butylbenzene	mg/kg	-	-	-	-	-	-	0.00046 U	0.00041 U	0.00048 U	0.00047 U	0.00048 U	0.00053 U	0.00046 U	0.0005 U	0.00045 U	0.00047 U	0.00047 U	0.0005 U	0.00049 U
Tetrachloroethene	mg/kg	-	-	2.6	0.55	0.000049	0.0023	0.00075 J	0.0004 J	0.00038 U	0.00037 U	0.00038 U	0.00042 U	0.00037 U	0.0004 U	0.00035 U	0.00037 U	0.00037 U	0.00039 U	0.00039 U
Toluene	mg/kg	-	-	45,000	5,000	1.6	0.69	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Total Xylenes (Calculated)	mg/kg	-	-	2,700	630	0.2	9.8	0.0006 U	0.00053 U	0.00062 U	0.0006 U	0.00062 U	0.00069 U	0.0006 U	0.00065 U	0.00057 U	0.00061 U	0.0006 U	0.00064 U	0.00063 U
trans-1,2-Dichloroethene	mg/kg	-	-	630	150	0.031	0.029	0.00052 U	0.00046 U	0.00054 U	0.00053 U	0.00054 U	0.0006 U	0.00052 U	0.00056 U	0.0005 U	0.00054 U	0.00053 U	0.00056 U	0.00056 U
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	-	0.0004 U	0.00035 U	0.00041 U	0.0004 U	0.00041 U	0.00045 U	0.00039 U	0.00043 U	0.00038 U	0.0004 U	0.0004 U	0.00043 U	0.00043 C
Trichloroethene	mg/kg	-	-	14	2.8	0.00072	0.0018	0.00037 U	0.00033 U	0.00039 U	0.00038 U	0.00039 U	0.00043 U	0.00037 U	0.0004 U	0.00036 U	0.00038 U	0.00038 U	0.0004 U	0.0004 U
Trichlorofluoromethane	mg/kg	-	-	3,400	790	0.83	-	0.0004 U	0.00036 U	0.00042 U	0.00041 U	0.00042 U	0.00047 U	0.0004 U	0.00044 U	0.00039 U	0.00041 U	0.00041 U	0.00043 U	0.00043 U
Vinyl chloride	mg/kg	-	-	1.7	0.06	0.0000056	0.00063	0.00068 U	0.0006 U	0.0007 U	0.00068 U	0.00071 U	0.00078 U	0.00068 U	0.00073 U	0.00065 U	0.0007 U	0.00069 U	0.00073 U	0.00072 U

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-16-1.0	SB-16-6.5	SB-16-14	DUP-6 (SB-16-13.5)	SB-17-1'	DUP-5 (SB-17-1)	SB-17-7'	SB-17-14'	SB-18-1.0	SB-18-11.5	SB-18-13	SB-19-1.1	SB-19-39.5
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	14-Mar-11	14-Mar-11
Metals																				
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.87 J	0.67 J	0.3 U	0.68 J	0.57 J	0.56 J	0.5 J	0.3 U	0.68 J	0.3 U	0.3 U	0.55 J	2.7
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	2.9	2.5	1.7	1.7	2.5	3.1	1.5	4.4	3.4	1	2.1	2.6	2.8
Barium	mg/kg	-	63,000	190,000	15,000	390	82	140	100	140	150	91	100	130	110	140	67	70	55	100
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.33 J	0.36 J	0.3 U	0.3 U	0.36 J	0.36 J	0.3 U	0.3 U	0.45 J	0.3 U	0.3 U	0.3	0.3 U
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.15 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	18	21	34	17	18	20	43	17	22	8.3	12	7.4	17
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	19	19	23	33	23	19	18	21	25	13	13	12	18
Lead	mg/kg	80	320	800	400	-	14	10	9.4	4	3	4.7	5.1	3.7	4.1	9	3.7	3.1	3.3	3.8
Mercury	mg/kg	18	180	3.4	5.6	0.03	0.1	0.053	0.054	0.12	0.049	0.064	0.031	0.038	0.25	0.36	0.089	0.51	0.022	0.031
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.21 J	0.36 J	2.1	0.77 J	0.43 J	0.2 U	2.5	1.2 J	0.24 J	0.2 U	0.7 J	0.4 J	5.6
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	13	13	8.5	8.4	13	13	8.9	9.6	16	6.7	6.9	6.6	7.3
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.094 U	0.096 U	0.094 U	0.096 U	0.2 J	0.098 U	0.094 U	0.096 U	0.096 U	0.1 U	0.098 U	0.1 U	0.21 J
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	680	-	43	43	37	36	39	41	34	27	57	23	25	22	35
Semi-Volatile Organic Compounds (SVOC)																				
1,2,4-Trichlorobenzene	mg/kg	-	-	99	22	0.0068	0.2	0.05 U	0.25 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
1,2-Dichlorobenzene	mg/kg	-	-	9,800	1,900	0.36	0.58	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,2-Diphenylhydrazine/Azobenzene	mg/kg	-	-	23	5.1	0.00096	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
1,3-Dichlorobenzene	mg/kg	-	-	-	-	-	-	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
1,4-Dichlorobenzene	mg/kg	-	-	12	2.4	0.00041	0.072	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
2,4,5-Trichlorophenol	mg/kg	-	-	62,000	6,100	14	-	0.13 U	0.65 U, RL1	0.13 U	0.13 U	0.13 R	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trichlorophenol	mg/kg	-	-	160	44	0.023	-	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
2,4-Dichlorophenol	mg/kg	-	-	1,800	180	0.13	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
2,4-Dimethylphenol	mg/kg	-	-	12,000	1,200	0.86	-	0.1 U	0.5 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4-Dinitrophenol	mg/kg	-	-	1,200	120	0.082	-	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,4-Dinitrotoluene	mg/kg	-	-	5.5	1.6	0.00029	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2,6-Dinitrotoluene	mg/kg	-	-	620	61	0.05	-	0.095 U	0.47 U, RL1	0.095 U	0.095 R	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
2-Chloronaphthalene	mg/kg	-	-	82,000	6,300	15	-	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.065 R	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
2-Chlorophenol	mg/kg	-	-	5,100	390	0.15	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
2-Methylnaphthalene	mg/kg	-	-	4,100	310	0.75	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 R	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
2-Methylphenol	mg/kg	-	-	31,000	3,100	1.5	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
2-Nitroaniline	mg/kg	-	-	6,000	610	0.15	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
2-Nitrophenol	mg/kg	-	-	-	-	-	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
3,3'-Dichlorobenzidine	mg/kg	-	-	3.8	1.1	0.00098	-	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
3-Nitroaniline	mg/kg	-	-	-	-	-	-	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
4,6-Dinitro-2-methylphenol	mg/kg	-	-	49	4.9	0.005	-	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
4-Chloro-3-methylphenol	mg/kg	-	-	62,000	6,100	4.3	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
4-Chloroaniline	mg/kg	-	-	8.6	2.4	0.00014	-	0.12 U	0.6 U, RL1	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	-	0.085 U	0.42 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U
4-Methylphenol	mg/kg	-	-	3,100	310	0.15	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
4-Nitroaniline	mg/kg	-	-	86	24	0.0014	-	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
4-Nitrophenol	mg/kg	-	-	-	-	-	-	0.14 U	0.7 U, RL1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Acenaphthene	mg/kg	-	-	33,000	3,400	22	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Acenaphthylene	mg/kg	-	-	-	-	-	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 R	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Aniline	mg/kg	-	-	300	85	0.004	-	0.085 U	0.42 U, RL1	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U
Anthracene	mg/kg	-	-	170,000	17,000	360	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Benzidine	mg/kg	-	-	0.0075	0.0005	0.000000024	-	0.66 L6	3.3 RL1 L6	0.66 L6	0.66 L6	0.66 M6, L6	0.66 L6	0.66 L6	0.66 L6	0.66 L6	0.66 L6	0.66 L6	0.66 L6	0.66 L6
Benzo(a)anthracene	mg/kg	-	-	2.1	0.15	0.01	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Benzo(a)pyrene	mg/kg	-	0.13	0.21	0.015	0.0035	0.24	0.055 U	0.27 U, RL1	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
Benzo(b)fluoranthene	mg/kg	-	-	2.1	0.15	0.035	-	0.05 U	0.25 U, RL1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	-	0.11 U	0.55 U, RL1	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Benzo(k)fluoranthene	mg/kg	-	-	21	1.5	0.35	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Benzoic acid	mg/kg	-	-	2,500,000	240,000	2.4	-	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Benzyl alcohol	mg/kg	-	-	62,000	6,100	0.89	-	0.2 U	1 U, RL1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bis(2-chloroethoxy)methane	mg/kg	-	-	1,800	180	0.025	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Bis(2-chloroethyl)ether	mg/kg	-	-	1	0.21	0.0000031	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Bis(2-chloroisopropyl)ether	mg/kg	-	-	22	4.6	0.00012	-	0.06 C	0.3 RL1 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 C	0.06 U
Bis(2-ethylhexyl)phthalate	mg/kg	-	-	120	35	1.1	1.4	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.19 J	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Butyl benzyl phthalate	mg/kg	-	-	910	260	0.51	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Chrysene	mg/kg	-	-	210	15	1.1	-	0.075 U	0.37 U, RL1	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Dibenz(a,h)anthracene	mg/kg	-	-	0.21	0.015	0.011	-	0.1 U	0.5 U, RL1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	mg/kg	-	-	1,000	78	0.68	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Diethyl phthalate	mg/kg	-	-	490,000	49,000	12	-	0.095 U	0.47 U, RL1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Dimethyl phthalate	mg/kg	-	-	-	-	-	-	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Di-n-butyl phthalate	mg/kg	-	-	62,000	6,100	9.2	-	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	-	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Fluoranthene	mg/kg	-	-	22,000	2,300	160	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Fluorene	mg/kg	-	-	22,000	2,300	27	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Hexachlorobenzene	mg/kg	-	-	1.1	0.3	0.00053	0.013	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Hexachlorobutadiene	mg/kg	-	-	22	6.2	0.0017	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Hexachlorocyclopentadiene	mg/kg	-	-	3,700	370	0.68	0.16	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Hexachloroethane	mg/kg	-	-	120	35	0.0029	-	0.065 U	0.32 U, RL1	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Indeno(1,2,3-cd)pyrene	mg/kg	-	-	2.1	0.15	0.12	-	0.13 U	0.65 U, RL1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Isophorone	mg/kg	-	-	1,800	510	0.023	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Naphthalene	mg/kg	-	-	18	3.8	0.00047	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Nitrobenzene	mg/kg	-	-	2.4	4.8	0.000079	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
N-Nitroso-di-n-propylamine	mg/kg	-	-	0.25	0.069	0.0000072	-	0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
N-Nitrosodiphenylamine	mg/kg	-	-	350	99	0.075	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Pentachlorophenol	mg/kg	-	13	9	3	0.0057	0.01	0.15 U	0.75 U, RL1	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	-	-	-	-	-	-	0.06 U	0.3 U, RL1	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Phenol	mg/kg	-	-	180,000	18,000	6.3	-	0.09 U	0.45 U, RL1	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

TABLE 1 : Summary of Soil Analytical Results
Phase II Environmental Site Assessment
GE Aviation - Duarte, California

Key:

1.23 (Bold) Detected concentration

1.23 Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sep 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

1.23 Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010 Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Residential, Soil-Screening Numbers for Nonvolatile Chemicals Based on Total Exposure to Contaminated Soil: Inhalation, Ingestion and Dermal Absorption, Commercial / Industrial, Industrial Soil, Residential Soil, Protection of GW, Risk Based or Protection of GW, MCL Based

Analyte (by Group)	Unit	CA OEHHA[1]		USEPA[2]				SB-16-1.0	SB-16-6.5	SB-16-14	DUP-6 (SB-16-13.5)	SB-17-1'	DUP-5 (SB-17-1)	SB-17-7'	SB-17-14'	SB-18-1.0	SB-18-11.5	SB-18-13	SB-19-1.1	SB-19-39.5
		Industrial Soil	Residential Soil	Industrial Soil	Residential Soil	Protection of GW, Risk Based	Protection of GW, MCL Based	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	12-Mar-11	14-Mar-11	14-Mar-11
Metals																				
Antimony	mg/kg	-	380	410	31	0.66	0.27	0.87 J	0.67 J	0.3 U	0.68 J	0.57 J	0.56 J	0.5 J	0.3 U	0.68 J	0.3 U	0.3 U	0.55 J	2.7
Arsenic	mg/kg	-	0.24	1.6	0.39	0.0013	0.29	2.9	2.5	1.7	1.7	2.5	3.1	1.5	4.4	3.4	1	2.1	2.6	2.8
Barium	mg/kg	-	63,000	190,000	15,000	390	82	140	100	140	150	91	100	130	110	140	67	70	55	-
Beryllium	mg/kg	-	190	2,000	160	58	3.2	0.33 J	0.36 J	0.3 U	0.3 U	0.36 J	0.36 J	0.3 U	0.3 U	0.45 J	0.3 U	0.3 U	0.3	0.3 U
Cadmium	mg/kg	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.15 U	0.3 U
Chromium	mg/kg	-	-	-	-	-	180,000	18	21	34	17	18	20	43	17	22	8.3	12	7.4	17
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	19	19	23	33	23	19	18	21	25	13	13	12	18
Lead	mg/kg	80	320	800	400	-	14	10	9.4	4	3	4.7	5.1	3.7	4.1	9	3.7	3.1	3.3	3.8
Mercury	mg/kg	18	180	3.4	5.6	0.03	0.1	0.053	0.054	0.12	0.049	0.064	0.031	0.038	0.25	0.36	0.089	0.51	0.022	0.031
Molybdenum	mg/kg	380	4,800	5,100	390	3.7	-	0.21 J	0.36 J	2.1	0.77 J	0.43 J	0.2 U	2.5	1.2 J	0.24 J	0.2 U	0.7 J	0.4 J	5.6
Nickel	mg/kg	1,600	16,000	20,000	1,500	48	-	13	13	8.5	8.4	13	13	8.9	9.6	16	6.7	6.9	6.6	7.3
Selenium	mg/kg	380	4,800	5,100	390	0.95	0.26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.5 U
Silver	mg/kg	380	4,800	5,100	390	1.6	-	0.094 U	0.096 U	0.094 U	0.096 U	0.2 J	0.098 U	0.094 U	0.096 U	0.096 U	0.1 U	0.098 U	0.1 U	0.21 J
Tin	mg/kg	-	-	610,000	47,000	5,500	-	1.3 U	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U
Zinc	mg/kg	23,000	100,000	310,000	23,000	620	-	43	43	37	36	39	41	34	27	57	23	25	22	35
Pyrene	mg/kg	-	-	17,000	1,700	120	-	0.08 U	0.4 U, RL1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Polychlorinated Biphenyls (PCB)																				
Aroclor 1016	mg/kg	-	-	21	3.9	0.092	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1221	mg/kg	-	-	0.54	0.14	0.00012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1232	mg/kg	-	-	0.54	0.14	0.00012	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1242	mg/kg	-	-	0.74	0.22	0.0053	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1248	mg/kg	-	-	0.74	0.22	0.0052	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1254	mg/kg	-	-	0.74	0.22	0.0088	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Aroclor 1260	mg/kg	-	-	0.74	0.22	0.024	-	0.012 U	0.012 U	0.012 U	0.012 U	0.012 C	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Total PCBs (Calculated)	mg/kg	0.089	0.3	0.74	0.22	0.026	0.078	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U

Notes:

1. California Office of Environmental Health Hazard Assessment, Sep 2010
2. US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010

mg/kg - milligrams per kilogram

B-1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.

C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J - Estimated value. Analyte detected at a level less than the laboratory Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

:- Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

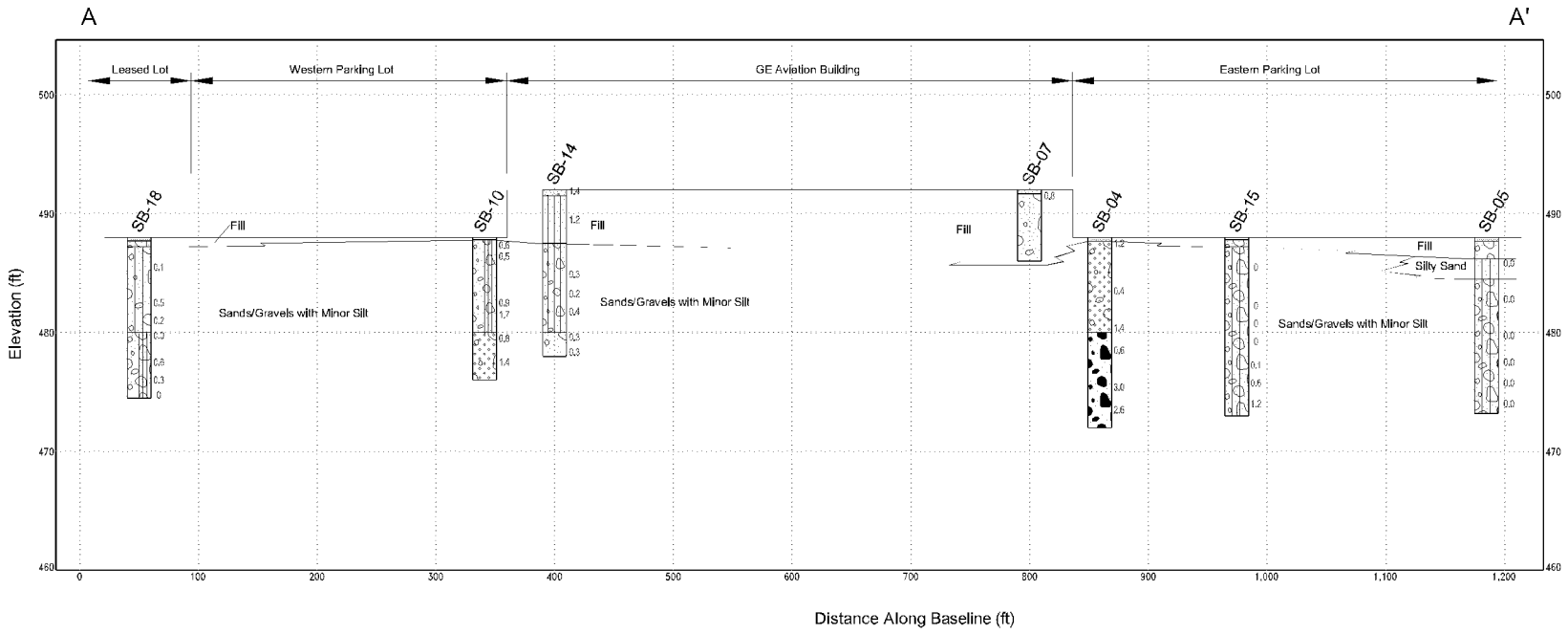
M1-M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

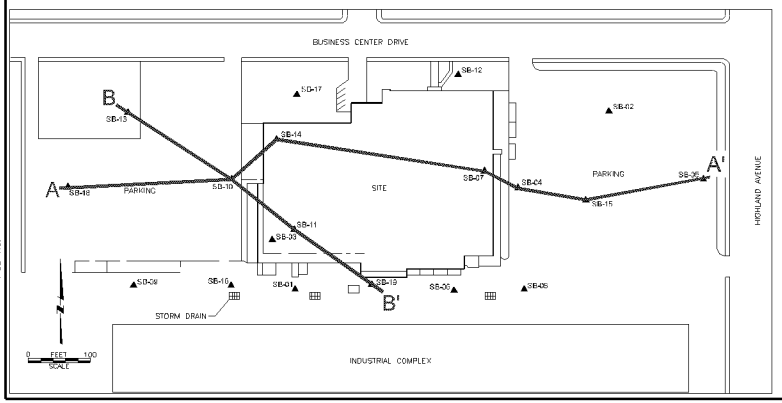
R - The Relative percentage difference (RPD) exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.

RL1 - RL raised due to sample matrix effects.

R-2 - The RPD exceeded the acceptance limit.

U - Analyte not detected at the indicated laboratory RL





Legend

- Concrete
- Asphalt
- Sandy Silt
- Silty Sand
- Poorly-graded Silty Gravel with Sand
- Sandy Silt with Gravel
- Poorly-graded Sand
- Poorly-graded Gravel with Sand
- Poorly-graded Sand with Gravel
- Poorly-graded Sand with Silt and Gravel
- Poorly-graded Gravel with Silt and Sand
- Poorly-graded Sand with Silt
- Well-graded Sand with Gravel
- Poorly-graded Gravel with Sand
- 0.4 PID Readings (ppm)
- ▲ Soil Boring
- △ Soil Boring (Not Installed)
- Cross Section Line

0 100
HORIZONTAL SCALE IN FEET
VERTICAL EXAGGERATION 10:1

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

GEOLOGIC CROSS SECTION A-A'

FIGURE 4

FILE No. CAD_MLUEBKE\GE PROJECTS\GE DUARTE\CROSS SECTIONS 4_1_11

Legend

▲ Soil Boring

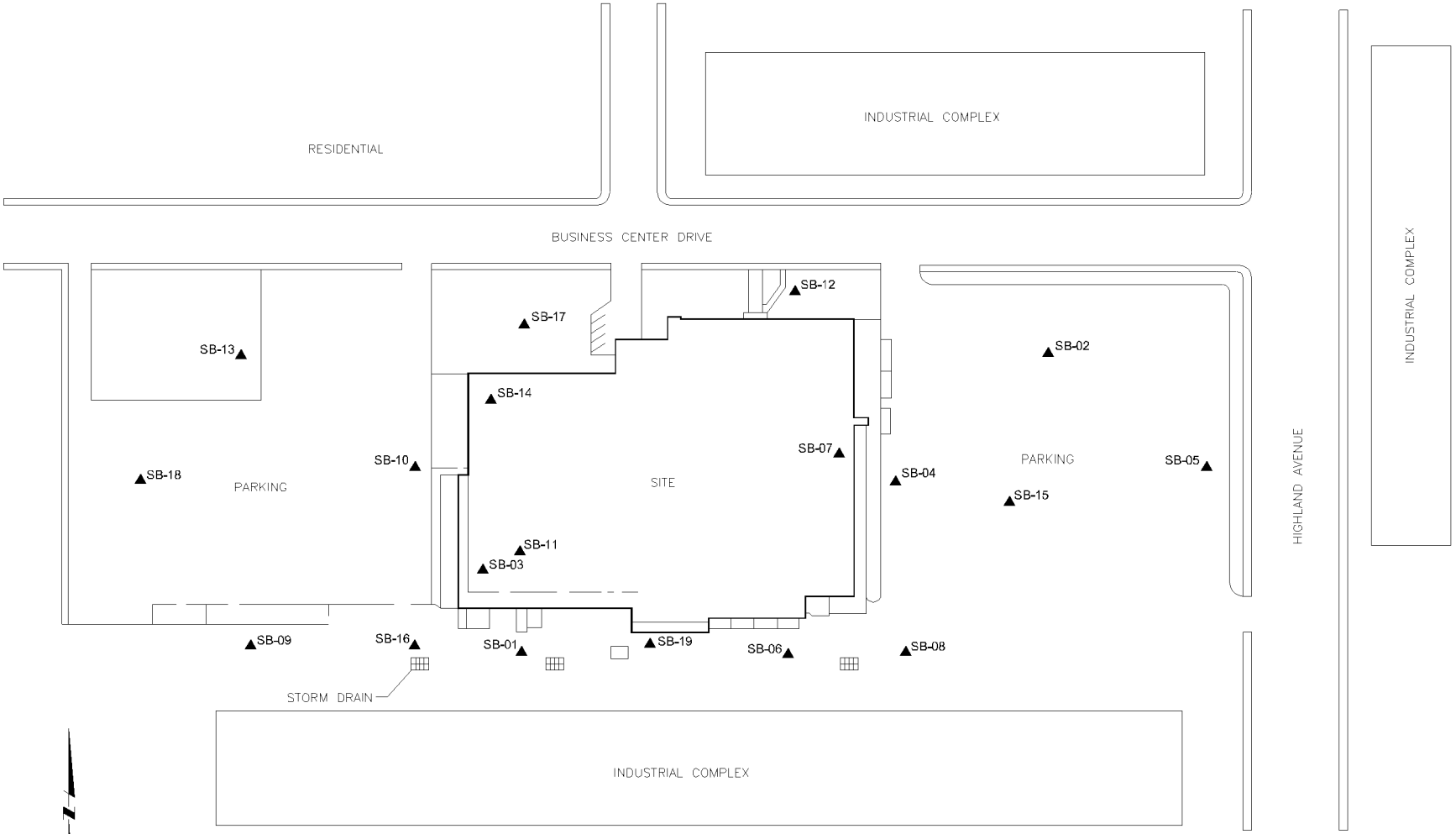
FILE No. CAD_MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN_3_11_11

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SITE INTERIOR LAYOUT WITH SAMPLE LOCATIONS

FIGURE 3



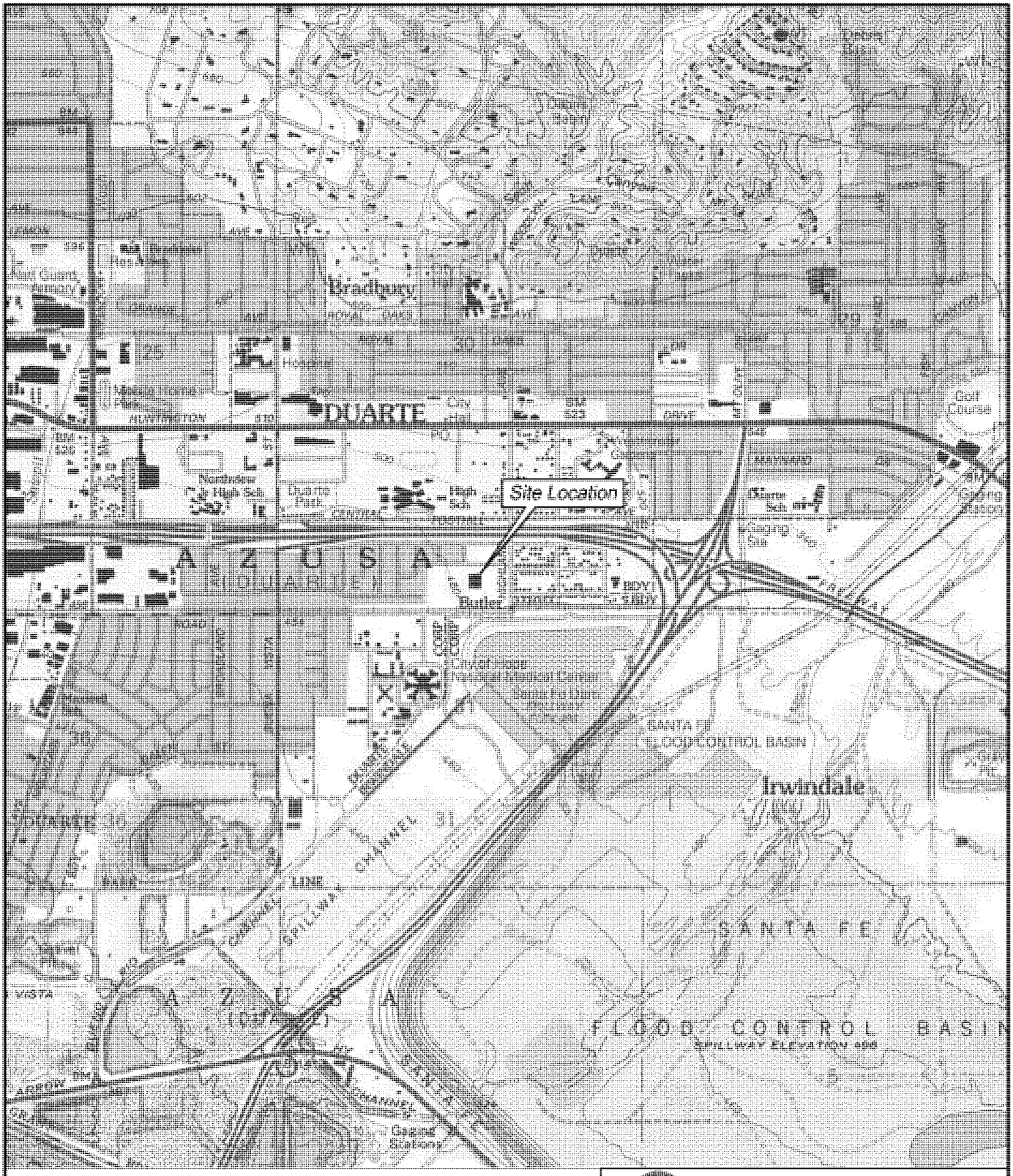
FILE No. CAD MLUEBKE\GE PROJECTS\GE DUARTE\SITE PLAN 3 11 11

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

SITE LAYOUT WITH SAMPLE LOCATIONS

FIGURE 2



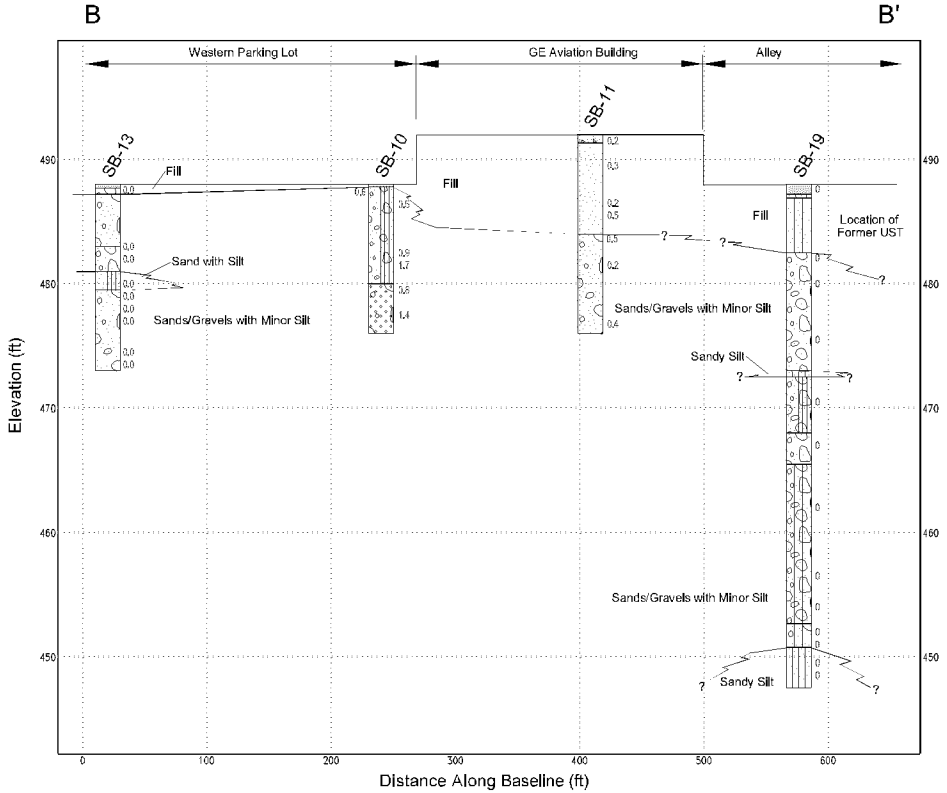
SOURCE: U.S.G.S. 7.5' QUAD SHEET
AZUSA, CALIFORNIA
REVISED 1995

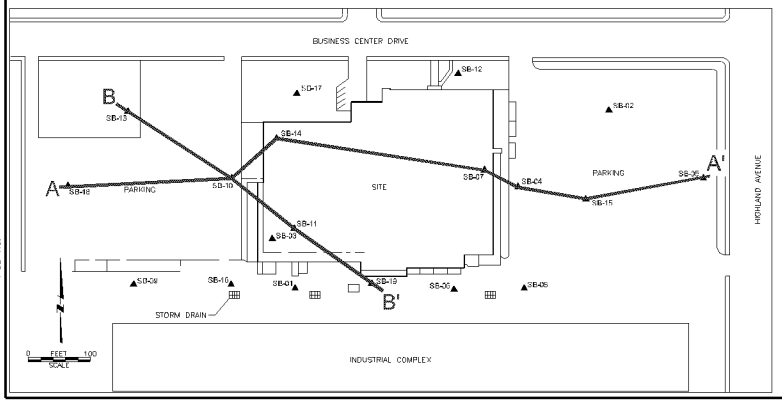
MWH

GE AVIATION
1700 BUSINESS CENTER DR.
DUARTE, CALIFORNIA

SITE LOCATION MAP

FIGURE 1





Legend

- Concrete
- Asphalt
- Sandy Silt
- Silty Sand
- Poorly-graded Silty Gravel with Sand
- Sandy Silt with Gravel
- Poorly-graded Sand
- Poorly-graded Gravel with Sand
- Poorly-graded Sand with Gravel
- Poorly-graded Sand with Silt and Gravel
- Poorly-graded Gravel with Silt and Sand
- Poorly-graded Sand with Silt
- Well-graded Sand with Gravel
- Poorly-graded Gravel with Sand
- 0.4 PID Readings (ppm)
- ▲ Soil Boring
- △ Soil Boring (Not Installed)
- Cross Section Line

0 100
HORIZONTAL SCALE IN FEET
VERTICAL EXAGGERATION 10:1

MWH

GE AVIATION
1700 BUSINESS CENTER DRIVE
DUARTE, CALIFORNIA

GEOLOGIC CROSS SECTION B-B'

FIGURE 5

FILE No. CAD_MLUEBKE\GE PROJECTS\GE DUARTE\CROSS SECTIONS_4_1_11

MWH

Drilling Log

Soil Boring **SB-01**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *25.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow-Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/9/2011* Completion Date *3/9/2011* Checked By *M. Milman-Barris*

COMMENTS

Hand augered soil boring to 6' bgs for utility clearance prior to drilling.

Sample SB-01-22.5 is a composite of core run from 20' to 25' bgs.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.0	SB-01-1.0 100%			SM	Asphalt - 0.3 ft thick. Base aggregate - 0.3 ft thick. Silty SAND (SM) w/gravel and cobbles, dark yellowish brown (10YR 4/4), dry to moist, poorly graded, fine grained sand, trace medium grained sand, 20-25% fine to coarse subangular gravel, 10-15% subangular to subrounded cobbles up to 7", 20-30% silt.	
5						At 5 ft bgs, color change to dark brown (10YR 3/3), trace clay.	
						At 6 ft bgs, becomes fine to medium sand, trace coarse sand, decreased silt/clay content.	
	1.3				GW GM	GRAVEL w/silt (GP-GM) and sand, dark grayish brown (10YR 4/2), dry, poorly graded, fine to coarse subangular gravel up to 2.5", 25-30% medium to coarse sand, 10-15% silt. At 7 ft bgs, color change to grayish brown (2.5Y 5/2). At 8.4 ft bgs, color change to grayish brown (10YR 5/2), 30-40% fine grained sand. At 10 ft -15 ft bgs , no recovery.	
10							
	1.1						
15						At 14 ft bgs, no recovery.	
	0.3				SP	SAND (SP) w/gravel, yellowish brown (10YR 5/4), dry to moist, poorly graded, fine to medium sand, 5-10% coarse sand, trace to 5% silt, 20-25% fine to coarse angular to subangular igneous gravel.	
20		SB-01-22.5 100%				At 20 ft bgs, becomes dry.	
25						End of boring = 25 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the surface.	
30							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-02**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *15.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *B. Foster*

Start Date *3/9/2011* Completion Date *3/9/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Boring collapsed during bakfilling activities.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) — Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	1.7					Asphalt - 4".	
		SB-02-1.5 100%			SW	SAND (SW) w/gravel and cobbles, brown (10YR 4/2), dry to moist, dense, well graded, 30% gravel, 10% cobbles, max. grain size: 10", pyritic flakes.	
2						At 2 ft bgs, grades to GRAVEL w/sand and cobbles.	
						GRAVEL (GW) w/sand and cobbles, light grayish brown (10YR), dry, dense, well graded, rounded gravel, igneous cobbles, max. grain size: 8".	
4	0.9						
					GW		
6							
		SB-02-7.5 100%	>100 >100				
8	2.5					At 8 ft bgs, SAND w/gravel.	
						SAND (SW) w/gravel, grayish brown (10YR 5/2), dry, very dense, fine to coarse grained sand, well graded, rounded gravel, trace silt, 30% gravel, 10% cobbles, max. grain size: 4".	
10							
					SW		
12	0.8						
		SB-02-14 100%	NR			At 14 ft bgs, sand is finer grained, increased gravel content and increasing w/depth.	
14	1.2					Total depth of boring = 15 ft bgs.	
						Boring backfilled with cement bentonite grout and completed with concrete at surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-03**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *13.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *M. Waters* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/9/2011* Completion Date *3/9/2011* Checked By *M. Milman-Barris*

COMMENTS
Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Concrete - 0.3 ft thick	
		SB-03-1.0				Aggregate base - 0.3 ft thick.	
		100%			SM	Silty SAND (SM), dark yellowish brown (10YR 4/4), poorly graded, fine grained sand, 10% medium grained sand, 30-35% silt.	
2							
4						Color change to olive brown (2.5Y 4/4), decreased silt content.	
					ML	SILT w/sand (ML), olive brown (2.5Y 4/3), moist, very hard, no plasticity, slightly micaceous, 20-25% fine grained sand.	
	0.0		30			Silty SAND w/gravel, brown (10YR 4/3), dry, very dense, poorly graded, fine grained sand, 10% coarse grained sand, 20-25% fine to coarse subangular gravel, 15-20% silt.	
6		SB-03-6.7	50/5"				
	0.0	100%	35 50/6"		SM	At 6.5 ft bgs, 6" thick layer of SILT w/sand [ML], olive brown (2.5Y 4/3).	
						At 7.2 ft bgs, Gravel/cobble fragment (>1.5"), igneous.	
8	0.0		50/8"			SAND with silt (SP-SM) and gravel , dark yellowish brown (10YR 4/4), dry, very dense, poorly graded, fine to medium grained sand, 5% coarse grained sand, 10-15% silt, 15-20% fine angular igneous gravel.	
						At 8.5 ft bgs, increase in gravel content.	
10						At 9.5 ft bgs, no recovery.	
		SB-03-11			SP SM		
	0.0	100%	50/6"			At 11 ft bgs, increase in gravel content.	
12							
						Refusal on cobble/boulder. Total depth of boring = 13 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the surface.	
14							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-04**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *16.0 ft* Borehole Diameter *8.0 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *B. Foster*

Start Date *3/9/2011* Completion Date *3/9/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	1.2	SB-04-2.0 100%			SW	Asphalt - 4" thick. SAND (SW) w/gravel, dark grayish brown (10YR 4/2), dense, dry to moist, fine to medium grained sand, well graded, rounded gravel, trace cobbles, max. grain size: 3".	
2							
4						At 3 ft bgs, increase in gravel content w/depth.	
	0.4						
6							
		SB-04-7.5 100%	70 >100				
8	1.4					GRAVEL (GW) w/sand, dark grayish brown (10YR 4/2), gravel, well graded, dry, very dense, trace cobble, max. grain size: 4", fragmented/chipped.	
	0.6						
10							
					GW		
12	3.0						
14						At 14 ft bgs, sand is fine to medium grained.	
	2.6						
		SB-04-15 100%	>100 >100				
16						Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-05**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *14.8 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *M. Milman-Barris*

COMMENTS

Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Encountered refusal in SB-05A at 11 ft bgs; drilled SB-05B 3 ft south of SB-05A.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Asphalt.	
						Aggregate base.	
2	0.0	SB-05A-1.8 100%			SM	Silty SAND (SM), brown (10YR 4/3), dry, poorly graded, fine grained sand, 5% coarse grained sand, 10-15% fine angular gravel, 35-45% silt.	
4						Silty GRAVEL (GM) w/sand, dark brown (10YR 3/2), dry, poorly graded, fine to coarse subangular igneous gravel, 15-20% fine grained sand, 15-20% silt, very dense.	
6	0.0		50/5"				
			50/4"				
8	0.0	SB-05B-8.0 100%	50/6"		GM		
10	0.0		23 50/4"			At 10 ft bgs, color change to brown (10YR 5/3), fine to coarse grained sand.	
12	0.0		33 37 50/2"			At 11.5 ft bgs, 20-25% fine to coarse grained sand, 20-25% silt.	
14	0.0	SB-05B-14.3 100%	12 34 43 50/4"			At 13 ft bgs, color change to olive brown (2.5Y 4/3), 20-25% fine and coarse grained sand, trace medium grained sand, 15-20% silt. At 14.5 ft bgs, 20-25% fine to coarse grained sand.	
16						End of boring = 14.8 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the surface.	
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-06**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *16.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *B. Foster*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *C. Carter*

COMMENTS
Hand augered soil boring to 6' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0						Asphalt and aggregate base - ~5" thick.	
	1.7	SB-06-1.5 100%			SW	SAND (SW) w/gravel and cobbles, very dark grayish brown (10YR 3/2), dry to moist, dense, well graded, rounded gravel and cobbles, predominantly igneous, max. grain size: 12".	
2	1.0						
						At 3 ft bgs: Cobble, maximum size: >12", no recovery.	
4							
	NA					Cobbles with sand.	
6						At 6 ft bgs, increased sand content.	
	1.6	SB-06-7.0 100%	80 100		SW	SAND (SW) w/gravel and cobbles, grayish brown (2.5Y 5/2), very dense, dry, fine grained sand, trace silt, rounded gravel and cobble, predominantly igneous, max. grain size: 12".	
8							
	0.6				GW	GRAVEL (GW) w/sand and cobbles, light brownish gray (2.5Y 6/2), very dense, dry, fine to medium grained sand, rounded gravel, cobble fragments, predominantly igneous.	
10							
						No recovery.	
12	1.1						
14	1.7	SB-06-15 100%	90 >100		GW	GRAVEL (GW) w/sand and cobbles, light brownish gray (2.5Y 6/2), very dense, dry, fine grained sand, rounded gravel, max. grain size: 4".	
16						Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-07**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~492* Total Depth *6.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *M. Waters* Driller C-57 # *938110* Log By *R. Robitaille*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Location is on loading dock approximately 4' above ground surface.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
0	0.8	SB-01-1.0 100%			SP	Concrete - 4" thick. SAND (SP) w/gravel and cobbles, dark brown (10YR 3/3), loose, dry, poorly to well, graded fine to coarse grained sand, 20% fine to coarse gravel, 10% cobbles, max. grain size: 8", presence of brick fragments, (FILL).	
6						Refusal at 6 ft bgs on obstruction (possible concrete slab or boulder). Total depth of boring = 6 ft bgs. Boring backfilled with cement bentonite grout and completed with concrete at surface.	

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-08**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *16.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *B. Foster*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.8					Asphalt - 4" thick.	
						Aggregate base - 3" thick.	
2		SB-08-1.5 100%			SW	SAND (SW) w/gravel and cobbles, grayish brown to dark grayish brown (10YR 4/2 - 10YR 5/2), dry to moist, dense, well graded.	
	0.6					GRAVEL (GW) w/sand and cobbles, grayish brown (10YR 5/2) fines, very dense, dry, well graded, 30% sand, rounded, cobbles, max grain size: 4".	
4							
	1.3				GW		
6							
		SB-08-7 100%					
8	1.6						
	1.5						
	2.2					SAND (SW) w/gravel and cobbles, dark grayish brown (10YR 4/2), dry to moist, well graded, rounded, trace cobble, max. grain size: 12".	
10	2.1						
						At 11.5 ft bgs, fragments of gravel/cobble. No recovery.	
12	1.6				SW		
						At 13.5 ft bgs, grayish brown (2.5Y 5/2), dry, fine to coarse grained, max. grain size: 4", predominantly igneous, slightly micaceous.	
14	1.4						
	1.4	SB-08-15 100%					
16						Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

MWH

Drilling Log

Soil Boring **SB-09**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *14.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *M. Milman-Barris*

COMMENTS

Soil boring hand augered to 6' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
		SB-09-1.0				Asphalt - 0.3 ft thick.	
						Aggregate base - 0.3 ft thick.	
2	0.0	100%				Silty SAND (SM) w/gravel, brown (10YR 4/3), dry, poorly graded, fine grained sand, 10% coarse grained sand, trace medium grained sand, 20-25% silt, 20-30% fine to coarse subangular igneous gravel.	
4							
6	0.1		50/5"		SM	At 6.5 ft bgs, very dense.	
8	0.0	SB-09-8.5	40 50/6"				
		100%					
10	0.5		50/6"				
12	0.0		37 50/6"			At 11.5 ft bgs, increased gravel content and size, 30-40% coarse gravel, trace fine gravel.	
	0.0	SB-09-13.5	50/6" 50/6"			At 13 ft bgs, decreased gravel content to 20-25%, fine to coarse gravel.	
14		100%				Total depth of boring = 14 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

MWH

Drilling Log

Soil Boring **SB-10**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *12.0 ft* Borehole Diameter *8.25 in* North *0.00 ft*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *219.80 ft*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *B. Foster / C. Carter*

Start Date *3/10/2011* Completion Date *3/11/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Unable to collect soil sample for chemical analysis from total depth of soil boring.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.6					Asphalt (2") with aggregate base.	
2	0.5	SB-10-1.5 100%			SP SM	SAND with SILT (SP-SM) and gravel and cobbles, very dark grayish brown (2.5Y 3/2), dense, dry to moist, fine to medium grained sand, rounded gravel and cobbles, max. grain size: 13".	
4						At 3-5 ft bgs, no recovery, (boulder).	
6	0.9					At 5 ft bgs, fine grained sand, trace medium and coarse grained sand.	
	1.7					At 7-8 ft bgs, no recovery, (boulder).	
8	0.8	SB-10-8.0 100%			SW	SAND (SW) w/gravel, grayish brown (2.5Y 5/2), dense, dry, fine to coarse grained sand, rounded gravel, max. grain size: 4".	
10	1.4		200/4"			At 11 ft bgs, very dense, igneous rock fragments (<1.5").	
12						Refusal on cobble/boulder, at 12 ft bgs. Total depth of boring = 12 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	
14							
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

MWH

Drilling Log

Soil Boring **SB-11**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~492* Total Depth *16.0 ft* Borehole Diameter *8.25 in* North *0.00 ft*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *388.00 ft*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *M. Waters* Driller C-57 # *938110* Log By *R. Robitaille*

Start Date *3/10/2011* Completion Date *3/10/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							
	0.2	SB-11-1.0 100%				Concrete - 8" thick.	
2	0.3				SP	SAND (SP), dark grayish brown (2.5Y 4/2), loose, dry, poorly graded, fine grained sand, trace coarse grained sand, 10% fine to coarse gravel.	
4							
	0.2						
6	0.5	SB-11-7.0 100%				At 6 ft bgs, grades to SAND (SP), with cobbles.	
8	0.5					SAND (SP) w/cobbles, dry, poorly graded, fine grained sand, 20% fine to coarse gravel.	
10	0.2				SP GW		
12						At 12.5 ft bgs, increased cobble content.	
14						At 14 ft bgs, no recovery.	
	0.4	SB-11-15.5 100%					
16						Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed with concrete at surface.	
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-12**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *15.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/11/2011* Completion Date *3/11/2011* Checked By *M. Milman-Barris*

COMMENTS

Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Soil boring is located in grassy lawn.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0		Dup-1 SB-12-1.0 100%				Topsoil - 0.8 ft thick, rootlets and tree roots.	
	0.0				ML	Sandy SILT (ML), dark brown (10YR 3/3), moist to wet, no plasticity, 35-45% fine sand, trace clay, 5-10% fine to coarse subangular igneous gravel.	
2							
4							
	0.3		50/5"		SM	Silty SAND (SM) with gravel, brown (10YR 4/3), moist, very dense, poorly graded, medium to coarse grained sand, trace fine grained sand, 30-35% fine to coarse subangular igneous gravel, trace clay, 20-30% silt.	
6	0.4		50/6"		GM	Silty GRAVEL (GM) with sand, light olive brown (2.5Y 5/4), dry to moist, very dense, poorly graded, fine to coarse grained sand, subangular igneous gravel, ~15-20% silt, ~ 20-25% fine to coarse grained sand.	
8		SB-12-8.5	50/6"			At 8.0 ft bgs, light olive brown (2.5Y 5/3), dry, decreased silt content, increased sand content to 25-35% fine to coarse grained sand.	
	0.3	100%	50/6"				
10	1.8		50/4"			At 10.0 ft bgs, olive brown (2.5Y 4/3 to 4/4), moist, increased silt content to 20-25%, fine to coarse grained sand still @ 25-35%, trace clay.	
	0.5		50/4"			At 11.5 ft bgs, decreased silt content to ~15-20%, fine to coarse grained sand @ 25-35%, no clay.	
12		Dup-4	50/6"				
	0.6	100% SB-12-13.5 100%	50/6"		SP SM	SAND with silt (SP-SM) and gravel, light olive brown (2.5Y 4/3), dry to moist, very dense, poorly graded, fine to coarse grained sand, predominantly fine grained sand, ~15% silt, ~35-40% fine to coarse subangular gravel (max grain size 2", predominantly fine gravel).	
14							
16						Total depth of boring = 15 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	
18							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

MWH

Drilling Log

Soil Boring **SB-13**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *15.0 ft* Borehole Diameter *8.25 in* North *0.00 ft*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *0.00 ft*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *E. VanderVelde*

Start Date *3/11/2011* Completion Date *3/11/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.0	SB-13-1 100%			SP	Asphalt - 0.2 ft thick. Aggregate base material - 0.4 ft thick. SAND (SP) with gravel, dark brown (10YR 3/3), dry, poorly graded, 65% fine grained sand, ~25% fine to coarse subangular to subrounded gravel, max. grain size: 1.5", 5-10% silt.	
2							
4							
6	0.0				GP	GRAVEL (GP) with sand, light gray (2.5Y 7/1), dry, 25% fine grained sand, fine to coarse subangular to subrounded gravel, max. grain size: 1.5".	
8	0.0	SB-13-7 75%			SP SM	SAND with SILT (SP-SM), gray (2.5Y 6/1), dry, poorly graded, fine grained sand to gravel, 25% gravel, 10% silt.	
10	0.0				SP GP	SAND (SP) with gravel, light brownish gray (2.5Y 6/2), dry, poorly graded, fine grained sand, 10% medium grained sand, 10% coarse grained sand, 30% fine to coarse gravel, max grain size: 1.5".	
12	0.0						
14	0.0	SB-13-14 75%				Total depth of boring = 15 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-14**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~492* Total Depth *14.0 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *M. Waters* Driller C-57 # *938110* Log By *R. Robitaille*

Start Date *3/11/2011* Completion Date *3/11/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Unable to collect soil sample for chemical analysis from total depth of soil boring.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	1.4					Concrete - 6".	
		SB-14-01' 100%				Sandy SILT (ML), dark grayish brown (10YR 4/2) to yellowish brown (10YR 5/6), dry, hard, 30% fine grained sand, micaceous, trace caliche (?) (FILL).	
2	1.2				ML		
4						At 4 ft bgs, grades to with cobbles.	
						Sandy SILT (ML) with gravel, dark brown (10YR 3/3) to dark grayish brown (10YR 4/2), dry, 30% fine to coarse grained sand, 20% fine to coarse subangular to subrounded gravel, trace cobbles, trace clay, gravel is metamorphic and sedimentary.	
6							
	0.3	SB-14-07' 35%	37			At 7 ft bgs, poor recovery.	
8			38				
			32		ML		
	0.2		50/6"			At 8.5 ft bgs, very hard.	
10	0.4		50/6"				
12			50/6"				
	0.3		50/4"		SW	SAND (SW) with gravel, grayish brown (2.5Y 5/2), dry, very dense, well graded, 40% fine to coarse grained sand, 40% fine to coarse subangular to subrounded gravel, gravel is metamorphic and igneous, 20% cobbles.	
14	0.3		50/4"			Refusal on cobble/boulder at 14 ft bgs. Total depth of boring = 14 ft bgs. Boring backfilled with cement bentonite grout and completed with concrete at surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-15**

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Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *14.5 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/11/2011* Completion Date *3/11/2011* Checked By *M. Milman-Barris*

COMMENTS
Soil boring hand augered to 5 bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0	SB-15-1.0 / SB-15-1.0-MS/MDS / 100%				Asphalt - 0.2 ft thick.	
						Aggregate base - 0.6 ft thick.	
2						Silty GRAVEL (GM) with sand, olive brown (2.5YR 4/3), dry, very dense, poorly graded, fine to coarse gravel up to 3", angular to subangular, igneous, ~20-25% fine to medium grained sand, 20-25% silt.	
4							
	0		50/4"				
6	0		50/6"				
					GP		
8	0		50/2"				
10	0.1	SB-15-10.3 / 100%	50/6" 50/6"			At 10 ft bgs. poor recovery.	
	0.6		50/4"				
12						At 13 ft bgs. poor recovery.	
	1.3	SB-15-13.3 / 40%	50/6" 50/6" 50/6"				
14						Total depth of boring = 14.5 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-16**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *14.6 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *C. Villicana* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/12/2011* Completion Date *3/12/2011* Checked By *M. Milman-Barris*

COMMENTS
Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.4	SB-16-1.0 100%			SM	Asphalt - 0.3 ft thick. Aggregate base - 0.5 ft thick. Silty SAND (SM) with gravel, dark brown (10YR 3/3), moist, poorly graded, fine grained sand with trace of coarse grained sand, ~20-25% silt, ~15-20% gravel, subangular, igneous, max grain size: 0.75".	
4	0.4	SB-16-6.5 100%	50/6"			At 5 ft bgs, very dense, gravel content and size increased, 20-30% fine to coarse grained gravel, max grain size: 3".	
6	0.2		50/6"				
8	0.2		100/6"		GP	GRAVEL (GP) with sand, olive brown (2.5Y 4/3), dry, very dense, poorly graded, fine to coarse, subangular, igneous gravel, max grain size: 3", ~15-20% fine to medium grained sand, trace of silt, trace of coarse grained sand.	
10	0.3		50 50/2"				
12	0.3		50/6" 50/3"		SM	Silty SAND (SM) with gravel, light olive brown (2.5Y 5/3 and 5/4), dry, very dense, poorly graded, fine to medium grained sand, ~5-10% coarse grained sand, ~15-20% silt, ~35-40% fine to coarse gravel, angular to subangular, predominantly igneous, max grain size: 2".	
14	0.2	Dup-6 100% SB-16-14 100%	100/3" 50/6" 50/6" 50/4"			Total depth of boring = 14.6 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-17**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *14.5 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *R. Robitaille*

Start Date *3/12/2011* Completion Date *3/12/2011* Checked By *C. Carter*

COMMENTS

Hand augered soil boring to 5' bgs for utility clearance prior to drilling.

Soil boring is located in grassy lawn.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.3	SB-17-1' 100%			SM	Silty SAND (SM), dark brown (7.5YR 3/2), moist, medium dense, poorly graded, fine grained sand, 40% silt, trace gravel, with grass (TOPSOIL/FILL).	
2	0.2					At 0.3 ft bgs, no grass.	
	0.5					SAND (SW) with gravel and cobbles, brown (10YR 5/3), dry, dense, well graded, 40% fine to coarse grained sand, 40% fine to coarse gravel, 20% cobbles.	
4			50/6"				
6			100/6"				
	0.4	SB-17-7' 100%	100/6"				
8			100/6"		SW	At 8 ft bgs, color change to dark grayish brown (2.5Y 4/2).	
	0.5		100/6"				
10			100/6"				
	0.3		100/6"				
12			100/6"				
			100/6"				
14	0.0	SB-17-14' 100%	100/6"			Total depth of boring = 14.5 ft bgs. Boring backfilled with cement bentonite grout and completed with topsoil.	
16							
18							
20							
22							
24							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-18**

Page: 1 of 1

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *13.5 ft* Borehole Diameter *8.25 in* North *NA*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *NA*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Hollow Stem Auger*

Driller *R. Suffle* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/12/2011* Completion Date *3/12/2011* Checked By *M. Milman-Barris*

COMMENTS

Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.1					Asphalt - 0.3 ft thick.	
						Aggregate base - 0.5 ft thick.	
		SB-18-1.0 100%			SM	Silty SAND (SM) with gravel, olive brown (2.5Y 4/4), dry, poorly graded, medium grained sand, ~20-25% silt, ~15-20% fine to coarse gravel, up to 2-inch diameter, subangular, predominantly igneous.	
2							
4							
	0.5		45 60/6"			At 5 ft bgs, light olive brown (2.5Y 5/4), increased gravel content to 30-35%.	
6	0.2		50/6" 50/6"			At 6.5 ft bgs, medium to coarse grained sand, fine to coarse grained gravel, subangular to subrounded, up to 2.5-inch diameter, subangular grains predominantly igneous.	
8	0.0		50/6"		GP GM	GRAVEL with silt (GP-GM) and sand, grayish brown (2.5Y 5/2), dry, very dense, poorly graded, fine to coarse grained gravel, ~25-30% medium to coarse grained sands, 5-10% silt.	
10	0.6		60 45			At 10 ft bgs, 0.5 ft thick layer of SAND, yellowish brown (10YR 5/4 -5/6), well graded	
12	0.3	SB-18-11.5 40%	45 65			At 11.5 ft bgs, olive brown (2.5Y 4/5) and light olive brown (2.5Y 5/3), poor recovery.	
	0	SB-18-13 100%	50/6"			At 13 ft bgs, yellowish brown (10YR 5/4)	
14						Total depth of boring = 13.5 ft bgs.	
						Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	
16							

DRILLING LOG - DUARTE BORING-LOGS-DUARTECA.GPJ MWH IA.GDT 4/4/11

Drilling Log

MWH

Soil Boring **SB-19**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Surface Elev. *~488* Total Depth *40.5 ft* Borehole Diameter *8.25 in* North *0.00 ft*

Casing Stickup *NA* Water Level Initial ▼ *Not Encountered* East *556.20 ft*

Screen: Diameter *NA* Length *NA* Type/Size *NA*

Casing: Diameter *NA* Length *NA* Type *NA*

Drill Co. *Cascade Drilling* Drilling Method *Sonic*

Driller *J. Johnson* Driller C-57 # *938110* Log By *C. Carter*

Start Date *3/14/2011* Completion Date *3/15/2011* Checked By *M. Milman-Barris*

COMMENTS

Soil boring hand augered to 5' bgs for utility clearance prior to drilling.

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0	SB-19-1.1				Asphalt - 0.8 ft thick.	
		100%				Aggregate base - 0.3 ft thick.	
2					SM	Silty SAND (SM), olive brown (2.5Y 4/4), dry, poorly graded, medium to coarse grained sand, trace fine grained sand, ~15-25% silt, ~5-10% fine, subangular to subrounded gravel, max grain size 1".	
4							
6	0					GRAVEL (GP) with sand, olive brown (2.5Y 5/4), dry, poorly graded, fine to coarse gravel, angular to subangular, predominantly igneous, ~25-30% medium to coarse grained sand, cobbles (interspersed), max grain size 5.25".	
8	0	100%					
10					GP	At 9.0 ft bgs, ~25-30% coarse grained sand. At 9.5 ft bgs, light olive brown (2.5Y 5/4), ~25-30% medium to coarse grained sand. At 10 ft bgs, olive brown (2.5Y 4/3).	
12	0	85%				At 12.2 ft bgs, 0.4 ft thick layer of cobbles with gravel, max grain size 5".	
14						At 13.7 ft bgs, 0.3 ft thick layer of cobbles with gravel, max grain size 4".	
					ML	At 14.7 ft bgs, 0.4 ft thick layer of cobbles with gravel, max grain size 3.75".	
16						Sandy SILT (ML), dark grayish brown (2.5Y 4/2).	
					GP GM	GRAVEL with silt (GP-GM) and sand, olive brown (2.5Y 4/3), dry, poorly graded, fine to coarse, angular to subangular, predominantly igneous, ~35-40% fine grained sand, ~10-15% silt. At 16.3 ft bgs, 0.4 ft thick layer of cobbles with gravel, max grain size 5". At 16.8 ft bgs, 25-30% medium to coarse grained sand (silt content same as at 15.5 ft bgs).	
18	0	75%					
20						At 19.5 ft bgs, decreasing silt content.	

Continued Next Page

Drilling Log

MWH

Soil Boring **SB-19**

Project *GE Aviation* Owner *GE*

Location *1700 Business Center Ave, Duarte, CA* Project Number *1010880*

Depth (ft)	PID (ppm)	Sample ID / % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
						Continued	
20	0	100%			GP	GRAVEL (GP) with sand, olive brown (2.5Y 4/3), dry, poorly graded, fine to coarse, angular to subangular gravel, some flat, max grain size 4", ~35-40% medium to coarse grained sand, ~5-10% silt. At 21 ft bgs, cobble, max grain size 6", subangular to subrounded.	
22						At 21.9 ft bgs, cobble, max grain size 4", subangular. At 22.2 ft bgs, increased silt content.	
24						Silty GRAVEL (GM) with sand, dark grayish brown (2.5Y 4/2), dry, poorly graded, coarse gravel, max grain size 3", subangular, some are elongated and/or flat, predominantly igneous gravel, ~25-30% silt, ~20-25% fine to medium grained with trace coarse grained sand. At 24.7 ft bgs, 1.0 ft thick layer of cobbles, max grain size 6".	
26	0	95%				At 26.0 ft bgs, fine to coarse grained gravel, max grain size 2".	
28					GM	At 26.8 ft bgs, coarse gravel, max grain size 3". At 27.0 ft bgs, 0.5 ft thick layer of cobbles, subangular to subrounded, max grain size 4". At 28.0 ft bgs, 1.4 ft thick layer of cobbles, subangular, max grain size 10".	
30						At 29.3 ft bgs, subangular cobble, max grain size 4.5". At 30.0 ft bgs, fine to coarse gravel, max grain size 1.5", 5-10% coarse grained sand, ~15-20% fine grained sand, trace medium grained sand.	
32	0	90%				At 33.0 ft bgs, trace clay.	
34	0	100%				At 33.75 ft bgs, fine to coarse gravel, max grain size 3", ~20-25% fine to medium grained sand, trace coarse grained sand. At 34.75 ft bgs, cobble, max grain size 5".	
36	0	100%			SM	Silty SAND (SM) with gravel and cobbles, olive brown (2.5Y 4/3), dry, poorly graded, fine to medium grained sand, ~25-30% silt, ~20-25% fine to coarse subangular gravel, trace subangular cobbles (some flat), max grain size 4.25", trace clay.	
38	0 0 0	100% 100% SB-19-39.5			ML	At 37.0 ft bgs, 0.3 ft thick layer of silty sand, olive gray (5Y 4/2), ~5-10% fine angular gravel, max grain size 2/5", increased clay content. Sandy SILT (ML), olive gray (5Y 5/2), dry to moist, stiff, ~30-35% fine grained sand, trace medium to coarse grained sand, trace to 5% fine angular gravel, max grain size 1". At 38.0 ft bgs, cobble, angular, max grain size 4.25". At 38.3 ft bgs, 30-35% fine to medium grained sand. At 39.0 ft bgs, subangular cobble, max grain size 5.5".	
40		60%				Total depth of boring = 40.5 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	
		60%					
42							
44							
46							

DAILY FIELD REPORT NO. 01

GE Aviation
Project Elipse Phase II ESA
Duarte, California

DATE: 9/03/11
WEATHER: Sunny, mild, light easterly breeze
PROJECT NO.: 1010880

TOTAL HOURS WORKED: 118.0
Everyone Safely Off Site: Yes @ 18:15

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Bob Robitaille, Supervising Geologist, 11.5 hrs; Caroline Carter, Professional Geologist, 11 hrs; Bri Foster, Professional Geologist, 11 hrs.
Cascade - Drillers: Conrad Villicana, Muddy Waters, Robert Suffle; Helpers: Paul Cabos, Eddie Renfro, Felipe, Steve Vibbard. All onsite 11 hrs.
Cascade - Gerry Woods, Health and Safety, onsite 3 hours performing H&S audit.

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

Spectrum Geophysics - Locator: Dave Ford, onsite 7.5hrs.
Concrete Coring - (sub to Cascade) Onsite 8 hrs.

EQUIPMENT & SUPPLIES (type, usage)

Cascade: 1-CME 95 drill rig; 1-CME 85 drill rig; 1-LAR drill rig; 3-support trucks; 1-decon trailer; 1- forklift.
Spectrum: Support truck with locating equipment including GPR, radio and magnetic detectors.
Coring contractor: support truck with portable concrete coring equipment.
MWH - 2 - PID's; 1-Multi-gas meter; 1-water level meter.

DESCRIPTION OF TASKS PERFORMED

1. GE HSE Orientation completed by all crew.
2. Utility clearance of 17 locations (13 exterior, 4 interior).
3. SB-01 (exterior) drilled to refusal at 26-ft. Abandoned by grouting. Collected 2 soils samples (1.0', 22.5').
4. SB-02 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples (1.5', 7.5', 14').
5. SB-03 (interior) drilled to refusal at 12.5-ft. Abandonded by grouting. Collected 3 soil samples (1.0', 6.7', 11')
6. SB-04 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples (1.5', 7', 15').
7. Cored concrete at 4 interior locations.
8. SB-05 (exterior) hand auger cleared to 5-ft. Collected 1 soil sample (1.0')

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

1. One exterior location is outside property boundary. Alt location to be cleared tomorrow.
2. Several interior locations had to be moved due to physical access restrictions. See map for alt locations cleared today.

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

2-drums soil placed in secured outdoor area west of facility (as directed by facility contact). Labeled.

NEXT DAY'S PLANNED ACTIVITIES

Continue interior borings with 2 rigs and interior borings with LAR rig.

PREPARED BY: Robert Robitaille

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description
01			
02			

DAILY FIELD REPORT NO. 02

GE Aviation
Project Elipse Phase II ESA
Duarte, California

DATE: 10/03/11
WEATHER: Sunny, mild, light variable breeze
PROJECT NO.: 1010880

TOTAL HOURS WORKED: 99.5
Everyone Safely Off Site: Yes @ 18:15

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Bob Robitaille, Sup. Geologist, 11.5 hrs; Caroline Carter, Prof. Geologist, 11 hrs; Bri Foster, Prof. Geologist, 11 hrs.
Cascade - Drillers: Conrad Villicana, Muddy Waters, Robert Suffle; Helpers: Paul Cabos, Eddie Renfro, Steve Vibbard. All 11 hrs.

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

EQUIPMENT & SUPPLIES (type, usage)

Cascade: 1-CME 95 drill rig; 1-CME 85 drill rig; 1-LAR drill rig; 3-support trucks; 1-decon trailer; 1- forklift.
MWH - 2 - PID's; 1-Multi-gas meter; 1-water level meter.

DESCRIPTION OF TASKS PERFORMED

1. Tailgate H&S meeting completed by all crew.
2. SB-05 (exterior) drilled to refusal at 26-ft. Abandoned by grouting. Collected 2 soils samples (1.0', 22.5').
3. SB-06 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples (1.5', 7.5', 14').
4. SB-07 (interior) drilled to refusal at 12.5-ft. Abandonded by grouting. Collected 3 soil samples (1.0', 6.7', 11')
5. SB-08 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples (1.5', 7', 15').
6. Mobilized LAR rig to SB-11 (maintanence shop).
7.
8.

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

1. Difficult drilling due to cobbles/boulders.
2. Bee swarms around SB-06/SB-08 caused delays three times.

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

Four (4) drums soil placed in secured outdoor area west of facility (as directed by facility contact). Labeled.

NEXT DAY'S PLANNED ACTIVITIES

Continue exterior borings with 2 rigs and interior borings with LAR rig.

PREPARED BY: Robert Robitaille

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description
01			
02			

DAILY FIELD REPORT NO. 03

GE Aviation
Project Elipse Phase II ESA
Duarte, California

DATE: 11/03/11
WEATHER: Sunny, mild, light variable breeze
PROJECT NO.: 1010880

TOTAL HOURS WORKED: 93.5
Everyone Safely Off Site: Yes @ 18:15

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Bob Robitaille, Sup. Geologist, 11.5 hrs; Caroline Carter, Prof. Geologist, 11 hrs; Eric Vaner Velde, 5 hrs.
Cascade - Drillers: Conrad Villicana, Muddy Waters, Robert Suffle; Helpers: Paul Cabos, Eddie Renfro, Steve Vibbard. All 11 hrs.

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

EQUIPMENT & SUPPLIES (type, usage)

Cascade: 1-CME 95 drill rig; 1-CME 85 drill rig; 1-LAR drill rig; 3-support trucks; 1-decon trailer; 1- forklift.
MWH - 2 - PID's; 1-Multi-gas meter; 1-water level meter.

DESCRIPTION OF TASKS PERFORMED

1. Tailgate H&S meeting completed by all crew.
2. SB-10 (exterior) drilled to target depth at 15'. Abandoned by grouting.
3. SB-11 (interior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples.
4. SB-12 (exterior) drilled to refusal at 12.5-ft. Abandonded by grouting. Collected 3 soil samples.
5. SB-13 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples.
6. SB-14 (interior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples.
7. SB-15 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples.
8.

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

1. Difficult drilling due to cobbles/boulders.
2. One drill rig down mid-day due to electrical issue.

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

Soil drums placed in secured outdoor area west of facility (as directed by facility contact). Labeled 'Non-Haz Pending Analysis'.

NEXT DAY'S PLANNED ACTIVITIES

Continue exterior borings with 2 rigs - one with CMW 85 and two with the LAR rig .

PREPARED BY: Robert Robitaille

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description
01			
02			

DAILY FIELD REPORT NO. 04

GE Aviation
Project Elipse Phase II ESA
Duarte, California

DATE: 12/03/11
WEATHER: Sunny, mild, light variable breeze
PROJECT NO.: 1010880

TOTAL HOURS WORKED: 99.5
Everyone Safely Off Site: Yes @ 18:15

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Bob Robitaille, Sup. Geologist, 10 hrs; Caroline Carter, Prof. Geologist, 9.5 hrs;
Cascade - Drillers: Conrad Villicana, Robert Suffle; Helpers: Paul Cabos, Steve Vibbard. All 8.5 hrs.

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

EQUIPMENT & SUPPLIES (type, usage)

Cascade: 1-CME 85 drill rig; 1-LAR drill rig; 2-support trucks; 1-decon trailer; 1-forklift.
MWH - 2 - PID's; 1-Multi-gas meter; 1-water level meter.

DESCRIPTION OF TASKS PERFORMED

1. Tailgate H&S meeting completed by all crew.
2. SB-16 (exterior) drilled to target depth 15-ft. Abandoned by grouting. Collected 3 soils samples (1.0', 6.5', 14').
3. SB-17 (exterior) drilled to 15-ft (target depth). Abandoned by grouting. Collected 3 soil samples (1.5', 7', 14').
4. SB-18 (exterior) drilled to target depth at 15-ft. Abandonded by grouting. Collected 3 soil samples (1.0', 11.5', 13')
5. Cleaned up refuse and organized the drum storage.
6. Double checked boring locations for proper abandonement and surface patching.
7. Demoblized drilling all equipment. Supplies (cement, bentonite, plastic rolls) left for Monday's crew.
8.

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

1. Mis-communication within GE caused 15 minute delay for badging.
2. Had to use extreme caution accessing and drilling SB-18 location near new cars (slow).

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

Twenty one (20) drums soil and one (1) drum decon water placed in secured outdoor area west of facility (as directed by facility contact).
Labeled 'Non-Haz Pending Analysis'.

NEXT DAY'S PLANNED ACTIVITIES

Mobilize sonic rig on Monday and attempt to drill SB-19 to 100' bgs.

PREPARED BY: Robert Robitaille

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description
01			
02			

DAILY FIELD REPORT NO. 5

GE Aviation
Duarte Phase II ESA
Duarte, CA

DATE: 03/14/11
WEATHER: Partly cloudy
PROJECT NO.: 1010881.010102

TOTAL HOURS WORKED: 11.5
Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Caroline Carter (06:45 to 18:15)
Cascade Drilling - Jeffery Johnson (Driller), Kevin Rogers, Conrad Villicana (07:00 to 19:30)

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

Test America Irvine (Courier)

EQUIPMENT & SUPPLIES (type, usage)

Sonic drill rig, water tender truck, support truck, personal vehicle.

DESCRIPTION OF TASKS PERFORMED

Received badges from GE and performed H&S tailgate prior to start of work. Mobilized and set up over SB-19.
Hand auger SB-19 for utility clearance. Advance SB-19 with 8-inch-diameter drive casings and 6-inch-diameter core barrel.
10-Foot-long drive rod broke mid-section during drive casing advancement. Replaced drive rod with new one.
Drive rod sheared off from drill head at threads/pin. Received hot work permit from Lisa Sawyer (GE Aviation) to weld beads on drive rod pin to reattach drive rod to drill head. Continue advancing 8-inch-diameter drive casings until refusal at 38 ft bgs and 40 ft bgs with 6-inch core barrel. Advanced boring with 6-inch-diameter drive casings and 4-inch-diameter core barrel to 40.5 ft bgs before refusal. again. Driller believes that 8-inch drive casing is sitting on a boulder at 38 ft bgs and the 6-inch core barrel was able to core 2 ft into it.
IDW and equipment secured and badges returned prior to departure. Carter called Vandervelded to provide end-of-day report; Carter and Cascade Drilling to remain on stand by tomorrow am until further instructions from Eric.

Sample(s) collected: SB-19-1.1. SB-19-39.5 (collected at 17:15; submitted the next day)
QA/QC Sample(s) collected: TB20110314 (am). TB20110314 (collected at 17:00; submitted the next day)

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

Drive rod broke mid-section; discarded drive rod and replaced with another drive rod.
Top drive rod sheared off from drill head at threads/pin; welded beads onto drill head to reattach drill head to drive rods.
Welding required hot work permit from GE Aviation, which was obtained prior to welding.
Deposits from nearby Santa Gabriel River comprises gravels, cobbles, and boulders, which makes advancement of borings with drilling methods difficult and increases chance of refusal prior to planned drilling depth.

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

Five (5) 55-gallon drums filled with drill cuttings (soil); each has been labeled with non-hazardous labels.

NEXT DAY'S PLANNED ACTIVITIES

To be determined.

PREPARED BY: Caroline Carter

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description

DAILY FIELD REPORT NO. 6

GE Aviation
Duarte Phase II ESA
Duarte, CA

DATE: 03/15/11
WEATHER: Partly cloudy
PROJECT NO.: 1010881.010102

TOTAL HOURS WORKED: 7.0
Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

MWH - Caroline Carter (07:00 to 14:15)
Cascade Drilling - Jeffery Johnson (Driller), Kevin Rogers, Conrad Villicana (07:00 to 12:30)

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

None.

EQUIPMENT & SUPPLIES (type, usage)

Sonic drill rig, water tender truck, support truck, personal vehicle.

DESCRIPTION OF TASKS PERFORMED

Received badges from GE and performed H&S tailgate prior to start of work. Received direction to abandon SB-19.
Grouted and patched SB-19. Decontaminate drive casings in decon pad set up in eastern parking lot (this was delineated yesterday morning, which turned out to be a good thing because parking lot was full today). Received further direction in late morning to demobilize crew and equipment because SB-19 was last boring. Tidied up IDW area and removed any remaining equipment/materials.
Collected composite IDW samples of soil (from 6 of 23 drums) and water (from 2 of 2 drums); mixed soil in a gallon-sized Ziploc bag prior to sample collection. Carter brought samples to Eric Vandervelde in PAS-1 because Test America courier will not be in area until late afternoon; completed change of custody to record transfer of sample custody from Carter to Vandervelde.

Sample(s) collected: SB-19-39.5 (collected at 17:15 yesterday; submitted today); IDW-1 (composite soil sample), and IDW-2 (composite water sample).
QA/QC Sample(s) collected: TB20110314 (collected at 17:00 yesterday; submitted today)

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

Decon area was delineated yesterday with the decon pad set up at a location farthest from cars to minimize spray.

IDW TRACKING (ID, container size and type, contents, labels, remaining capacity (%))

One (1) drum 1/4 full with decon water.
Final drum count: 23 soil, 2 decon (one full and one 1/4 full), and 1 grout drum

NEXT DAY'S PLANNED ACTIVITIES

None.

PREPARED BY: Caroline Carter

REVIEWED BY: _____

DAILY FIELD REPORT LOG

Report No.	Date	Activity	Description

GE - DUARTE / 09 MARCH 2011

0700 - H&S Orientation w/ GE, CASCADE + MWH
0800 - GE obtains badges for crew / CASCADE prep rigs, fill water
0830 - bri + spectrum locate well locations for ground pen-radar - S. of GE building - MW01
bob + Muddy site walk inside building / CAROLINE is locating + marking borings/wells
0850 - bri marks SB location in NW parking lot while Spectrum runs survey @ MW01
0930 Spectrum clears SB in NW parking lot - CASCADE sets up @ SB-02
945 Bob has completed inside site walk - shows spectrum 1st location to clear inside building. * Access issues to interior borings
0950 bri + C complete inventory of bottles
1015 complete bottle inventory - All Accounted for - pack up coolers
1020 CASCADE Drillers: Robert - crew lays plastic under entire rig
MWH: bri foster Suffie - plywood around boring
- delineate drill exclusion zone
- set up drums - Label drums w/ NON HAZ
- prep decon area + lay out x3 8" augers - 5' length
1030 TOWER up - core through asphalt - 4" Asphalt -
1050 begin hand auger to 5' - Large cobbles 8-10" just below asphalt
1100 1st sample ~~[redacted]~~ 1.5-2.5' using hand auger - 2" sleeve (2x6") SS
1130 2nd Sample (pebbly gravel) 7.5-8.5' using 2" splitspoon
1155 Reach TD: 15' Sample 14-15'
1200 GARY w/ CASCADE H&S stop by - field audit - Bob R. takes lead
1215 Lunch - spectrum wait to perform underground survey - bri @ SB-02
1245 CASCADE returns - trip augers + abandon well w/ bentonite grout
DECON Augers + Sampler w/ Liquinox + DI WATER
1345 Backfill w/ A black-dyed concrete to Ground srfc - barricade w/ tape
1400 Mob to SB-04 - East side of bldg in center - A trench is marked - move loc as close to bldg as possible (Away from trench) - 1 lane of traffic open still
boring located 5' from edge of bldg - plastic down, plywood down, delineate w/ tape
1430 Tower up - core through Asphalt - 4" Asphalt / AB - Rig is having minor Engine hiccups
1430 Hand Auger to 1.5' to collect sample
1530 Reach TD, 3 samples: 1.5-2.5 (@ 1455), 7-8' (@ 1515), 15-16' (@ 1535)
1545 Prepare 15 to grout / backfill soil boring
1630 SB-02 Grouted w/ 5 bags portland w/ Gel - hydrogel
1650 Mob rig to next Loc - DO NOT SET-UP
1700 Prep samples for courier

1

MWH

DAILY QUALITY CONTROL REPORT

Date: 03/09/11
MW PM: Mike Cira
Location: Duarte
Project: GE Project Ellipse.
Job Number: 01088.010102
Contract Number:

Report No: Carter - 1
Day: Wednesday
Weather: Sunny / clear / warm
Temp: ~ high 70's.
Wind: Light breeze
Humidity: light.

PERSONNEL ON SITE:
MWH - Caroline Carter
Cascade (SB-01) - Conrad Villicana, Paul Gibbs CWC 03/09/11
Cascade (SB-03) - Muddy Waters, Eddie Renfrod, ~~John~~ Steve Vibbard

EQUIPMENT ON SITE:
SB-01 - CME-95
SB-03 - LAR (CME-75)

WORK PERFORMED (INCLUDING SAMPLING):
0730 Carter onsite, Met w/ Bob + Bri (MWH), Cascade Drilling, GE H+S representatives. Wait for Spectrum.
0800 Spectrum onsite. Discuss todays agenda, H+S issues + access (GE Facility), H+S tailgate (GE, Cascade, then MWH). Recon + mark locations.
0840 Spectrum starts clearing ~~at~~ SB-01 of utilities.
0900 Cascade mobilizes to SB-01 + sets up. Drilling location is in busy area, setup tight.
1040 Break asphalt + start hand augering for utility clearance.
1100 Collect 1.0 ft sample.
1130 At 6 ft bgs. Augering is slow due to presence of cobbles up to 7" Ø.
1145 Start core run / drilling SB-01.
1155 Driller reports boulder / cobble @ 6 ft bgs
1205 At 10 ft bgs. Drilling is hard due to presence of cobble / boulder @ 6' ft bgs
1250 Muddy brings sample from 1-1.5 ft bgs. from SB-03. Rob asks me to log SB-03 ~~while~~ (auger cuttings) cwc 03/09/11 while he is w/ Spectrum.
1310 At 25 ft bgs @ SB-01. Poor recovery w/ core barrel. Switch to continuous pound w/ split spoon sampler. Muddy is @ 5 ft bgs @ SB-03 + Starts setting up for drilling.
1400 At 23.5 ft bgs w/ augers for split spoon sampling. Refusal due to collapsed cobbles / boulders @ 23.5 ft bgs. Drillers take lunch until we decide how to proceed w/ SB-01. Carter prepares for logging @ SB-03.
1430 Driller @ SB-01 reports that he still had core for 20-25 ft.
1510 Collected sample @ 22.5 (composite) cwc 03/09/11 ~~Calibr~~ Check calibration of 4 gas meter (+ PID). Good.
1570 Start drilling SB-03 for Bob from 5 ft bgs (continuous pound)

Sheet 1 of 2

→

69.4 CWC 03/09/11
(est #2 gallons of grout needed, 45 used) 80 gallons CWC 03/09/11

1545 Grouting of SB-01 is complete. Mob to Eastern most location in Parking lot & set up for tomorrow.
1600 Test America on site
1615 Drilling from 12.5 onwards is on boulder. TD of SB-03 @ 12.5 ft bgs. Sample from 11-12.5 has poor recovery, but will attempt to get it analyzed. Had capped this sample in case of refusal > 12.5 ft bgs.
1620 Prepare for grouting. (est. 33.3 gallons of grout needed, 35 used)
1700 Grouting is complete, prepare for site departure.
1730 Cascade to MW H, test America off site

Grout mixture:
SB-01: ~~15~~ 12 CWC 03/09/11 bags + 2/3 bag bentonite to 70 gal water
SB-03: 5 bags + 1/3 bag bentonite + 25 gal water.

CWC 03/09/11

Sheet 2 of 2

10 MARCH 2011 = GE AVIATION – DUARTE =

0630 MWH + CASCADE Arrive DUARTE

0645 TBSM w/ MWH, CASCADE + LISA w/ GE

0715 Mob to SB-06 (SE of building) - SET up CME-85 rig (8") HSA - plastic, plywood + delineators

0730 hi to store for ice - bob on cofter. call, Caroline @ SB-05 - Eastern most boring loc.
Robert + helper begin hand-augering SB-05 to 6' bgs - near main water line ~4' marked loc.

0825 collect 1st sample @ 1.5-2.5' using hand Auger - drive 6" SS sleeve into auger
* boulder @ 19" bgs - hand-dig + break apart - takes time! sample around boulder w/ auger

0900 use auger-bit on rig to attempt to break apart boulder

0915 cleared boulder from boring - cont to hand auger

0930 Reach 5' bgs - encounter boulder from 3-5' used Auger to slowly chip apart - boring open ~~from~~ to 5'
sidewalls have cobbles up to 12" protruding - cont to find cobbl/boulder up to 6.5' bgs

0935 collect 2nd sample @ 7' using 18" split-spoon

1000 Reach TD @ 15' - very gravelly NR 10-15' - Rig pulverizing gravels

1005 sample 15-16' w/ split-spoon

1015 prep to grout w/ bentonite grout to ground surface - Asphalt @ surface
use whirly bird in 55-gal drum to mix ~25 gal (2 bags portland w/ 5-10% bent. gel)

1035 use cold patch @ GS to match existing grade

1100 Mob to NEXT BORING – due EAST - SB 08 - DELINEATE BEING IN ROADWAY = XTRA CONES

1115 Plastic down, plywood & Tower up - core through 4" asphalt / 3" AB - begin Hand Augering

1135 collect 1st sample 1.5-2.5' using splitspoon w/ 2x6" sleeves

1145 Driller notices swarm of bees heading our way - close windows + take lunch break

1230 cont drilling from 5' bgs

1255 collect 2nd sample 7.0-8.0' using split - 2x6" sleeves

1350 Reach TD @ 15'

1355 Collect 3rd sample 15-16' - Nearby bee swarm invades site - clear out for a bit

1415 backfill w/ 25 gal bentonite grout (5-10% gel) & coldpatch ground srfc to existing grade

1440 clean site & prep to mob to next boring, SB-10

1500 Mob to SB10 on W. side of bldg - center of bldg - 17' from side of bldg (bldg inset)

1515 lay plastic, plywood, clearly delineate site for pedestrians enter/leave building + traffic

1520 began hand augering once bore through 2" asphalt w/ AB - collect sample 1.5-2.5'

1540 Boulder @ 3' bgs is holding us up - Attempt to break apart but can't... use Auger to crush through

1605 clear to 5' bgs - continuous core w/ 18" split spoon

1630 collect sample 8-9' boulder @ 7' - broke apart

1700 RIG CHATTER @ 11' hitting a rock - collect last sample - for logging - up to 11' + call it a day!

1710 PAPERWORK + prep samples for courier - sign off on drillers Daily Report

1745 bye offsite

MWH

DAILY QUALITY CONTROL REPORT

Date: Ø3/1Ø/11
MW PM: Mike Cina
Location: GE Aviation – Duarte
Project: ~~1010880~~ cwc Ø3/1Ø/11 Duarte, CA
Job Number: 1Ø1Ø88Ø
Contract Number:

Report No: Carter - 2
Day: Ø3/1Ø/11 (Thursday)
Weather: Sunny / Warm
Temp: ~ high 70's
Wind: light breeze
Humidity: light

PERSONNEL ON SITE:
MWH Caroline Carter
Cascade – Conrade Villicaña, Paul Cabos, Tracy Spilotro (~~H&S officer~~ operations mgr cwc Ø3/1Ø/11)

EQUIPMENT ON SITE:
CME 95 w/ decon trailer & Support truck.

WORK PERFORMED (INCLUDING SAMPLING):

0645 Discuss today's agenda & adjust H&S topics accordingly. GE H&S rep discussed a few minor issues regarding yesterday's indoor drilling.
0715 Prepare for today's tasks
0730 Calibrate PID & MultiRae.
Ø8ØØ SB-Ø5A hand augered from yesterday. Ready to sample. Collected 1.8' sample (base beneath asphalt Bf. wase 1.8 ft thick).
Ø815 ~~Drilling from~~ cwc Ø3/1Ø/11 No recovery @ 5-6.5 ft bgs, Drilling & hammer on rocks/cobbles.
0835 ~~Drilling~~ Sample cwc Ø3/1Ø/11 from 6.5-8 ft = no recovery. Drilling to next interval.
0840 will attempt sample from 8-9 ft bgs. Drilling was very slow & hard (rocks/cobbles)
0845 Driller reports that he appears successful (50/4") will try to advance sampler another 6".
Ø9ØØ ~~cwc Ato~~ cwc Ø3/1Ø/11 Poor recovery 8-9 ft. Augers advanced to 10 ft bgs to try another sample. (Driller reports easier drilling).
Ø91Ø Poor recovery. (10-11.5 ft bgs. Stop & step out 3 ft south from boring ~~two~~ cwc Ø3/1Ø/11 Spectrum does not show markings in this area (Wolf boring are markings for a trench). Try again. Will keep 1.8 ft sample. ~~###~~ cwc Ø3/1Ø/11
Ø92Ø Tower down & move rig 3 feet, @SB-Ø5B.
Ø937 Cut asphalt & hand auger to 5 ft bgs.
1Ø15 Start sample collection @ 5 ft bgs
1Ø2Ø Sample @5' was moderately successful. Continue w/ ~~8~~ 6.5-8 ft sample. →

Sheet 1 of 2

1107 At 14.8 ftbgs. @ SB-05B. Prepare to grout SB-05A & SB-05B.
1200 Grouting of SB-05A* & SB-05B* is ~~are~~ complete. Drillers stop for lunch.
1230 Resume work. Complete ~~qc~~ boreholes to grade w/ asphalt patch. Grout level in both borings is @ ~~2.5~~ 1.0 ft.bgs. Prepare for demobe + mob/setup over SB-09. cwe 03/10/11
1330 At SB-09. Set up equipment & tower up.
1400 Break through asphalt & start hand augering.
1427 Refusal @ 3.5 ftbgs (boulder). Move location ~~25ft E & try again~~ to try again cwe 03/10/11
1430 tower down + moving 25ft E.
1435 tower up + try again.
1508 Refusal @ 3.5 ft bgs (likely same boulder). Will move location 2.5 ft west of first attempted location. Tower down + move rig.
1525 Tower up + try again. Talked to Lead Geo (Bob) + he said that if this location does not clear we will have spectrum clear one/two more boreholes in this area ~ 5ft from where we are now. We will attempt location on front lawn tomorrow am.
~~1600~~ Test America on site
1620 At 14 ft bgs @ SB-09* Prepare to grout.
1650 Boreholes grouted. (including first two locations to 3.5 ftbgs)
1700 Collect rinsate sample
~~1730~~ 1730 Test ~~America~~ offsite. Cascade Drilling offsite. Bri Foster offsite
1830 MW H offsite (Caroline + Bob)

* Grout estimated/used:

SB-05A 27.8 gal / 35 gal (3 bags Portland, 1/3 bag bent, +20 gal H2O)
SB-05B 41.7 gal / 45 gal (6 bags Portland, 1/3 bag bent) +30 gal H2O)
SB-09 41.7 gal / 45 gal (6 bags Portland, 1/3 bag bentonite +35 gal H2O) 03/10/11 cwe

Sheet 2 of 2

Eric T. VandeVelde

3/11/11 GE Aviation Quartz CA Phase II

0950hrs - Cascade CME-85 starts mobilizing over SB-13 located in NW area of asphalt parking lot. approx 96 ft South of fence (along Business Center Dr) and 12 ft from fence btw paved & unpaved

1005hrs - Break asphalt and clear base material
2" asphalt 5.5" base
hand auger

1015hrs Collect sample SB-13-1' hand auger to 5'
continuous sample for lithology

1115hrs collect sample SB-13-7 and Dcp-02 7'-10'
continuous sample for lithology 10-13.5'

1145hrs collect sample SB-13-14'
continuous sample 14.5-15.0'

1200hrs reach 15' Total Depth

1210hrs break for lunch

1250hrs Drillers back from lunch
- Clean and grout up hole & asphalt patch surface

1310hrs - move to SB-16 at SW corner of Bldg.

1320hrs - driller informs me that his Pill switch and fuel cylinder failed on the rig. He called the shop and they say it is not safe to drill so they are calling him back to the shop.

MWH

DAILY QUALITY CONTROL REPORT

Date: 03/11/11
MW PM: Mike Cora
Location: Duarte, CA
Project: GE Aviation Project Ellipse
Job Number: 1010880
Contract Number:

Report No: Carter-3
Day: Friday
Weather: Sunny/warm
Temp: high 70's
Wind: light breeze
Humidity: Light

PERSONNEL ON SITE:

SB-12 Cascade Drilling – Conrad Villicaña, Paul Cabos
MWH – Caroline Carter.
Cascade Drilling –

EQUIPMENT ON SITE:

CME-~~85~~95 (CME 03/11/11), Support truck, decon trailer.

WORK PERFORMED (INCLUDING SAMPLING):

0645 Carter & Cascade Drilling onsite meet w/ Bob (MWH).
0700 Discuss todays agenda & adjust HNS Tailgate accordingly. ~~One~~
0740 One Crew resumes drilling @ SB-10. Another waits for Spectrum to clear SB-12.
0830 SB-10: refusal @ 12 ftbgs on boulder/cobble. Tried drilling past it for 30 minutes & was not making progress. Drillers remove augers & bit. bit is destroyed. Since sample was collected @ 8 ftbgs & ~~yesterday~~ log @ 10-11 ftbgs reported that there was strong chatter @ 11 ftbgs. Prepare to grout & patch bony.
SB-12: Location has been cleared by Spectrum. Mob CME-95 onto location
0910 Start hand augering @ SB-12. ~~Encountered~~ Immediately encountered roots (trees nearby) Called Bob & received approval to cut through roots. Eric Vandevelde onsite & will monitor ~~continue to monitor~~ Crew @ SB-10.
0955 Bony cleared to 5 ft bgs. Start drilling SB-12.
1045 At 15 ftbgs. Prepare to grout bony (SB-12).
1100 Borehole grouted. Prepare to demob & mob to SB-15.
1130 At SB-15. 2 cars are parked adjacent to drilling location. Attempting to find owners incase we can get cars moved. Tried all businesses & paging employees of each business.
1220 1 of 2 cars moved. At 2nd employee will page again for the 2nd car @ 1230. Drillers take lunch break.
1250 Lunch break over. No one home to car (van). Moved location 2.3 ft W of cleared location (away from car). Mob rig on to SB-15.

1305 Start hand augering location

1330 At 5' bgs. Start Drilling

1438 At 14 ft bgs. Prepare to grout boring* & site departure for the day.

1530 Bore hole grouted + patched w/ asphalt. Mob rig to staging area. Will likely setup @ SB-16 in the morning.

1600 Conrad + Paul (Cascade Drilling) offsite. Carter waits for lab w/ Bob (Comm) + discuss tomorrow's plans

1810 Carter offsite.

* ~~Est~~ cwc 03/11/14 grout est / used

SB-12 41.7 ~~gal~~ / 45 gal (~~SB~~ 6 bags Portland + 1/3 bag bentonite + ~35 gal H_2O) cwc 03/11/14)

SB-15 41.7 gal / 46 gal (6 bags Portland + 1/3 bag bentonite + ~35 gal H_2O)

cwc 03/11/14

MWH

DAILY QUALITY CONTROL REPORT

Date: 03/12/11
MW PM: Mike Cira
Location: 1700 Business Center Dr.
Project: GE Aviation Project Ellipse
Job Number: 10105880.010102
Contract Number:

Report No: Cartr-4
Day: Saturday
Weather: Overcast
Temp: high 60's
Wind: breezy
Humidity: low-Moderate

PERSONNEL ON SITE:
MWH - Caroline Carter + Bob
Cascade - Conrad Villicaños, Paul Cebos, (SB-16)
Cascade - Robert (SB-18)

EQUIPMENT ON SITE:
CME-95, Decon trailer + support truck
LAR-, Decon trailer + support truck

WORK PERFORMED (INCLUDING SAMPLING):
0730 Carter onsite. Cascade Drilling prepares for day by finishing up ~~taste~~ yesterday's activities (empty decon trailer). Cascade already has badges + HASP mtg. Carter gets one from Bob (MWH) + waits for badge.
0750 Carter offsite to get ice since Becca not returning calls.
0800 Carter back on site + calls Terrance instead.
0810 Carter receives badge + goes to Cascade crew.
0815 Cascade sets up over SB-16 cwe 03/12/11
0840 Start hand augering.
0915 At 5 ftbgs. Collect PID measurements + check cleared hole.
0920 Start drilling SB-16* cwe 03/12/11
~~0~~1015 At 15 ftbgs. Prepare to grout*
1035 Borehole grouted. Prepare to demob from location + prepare for site departure
1045 Carter prepares to log next boring + waits for LAR crew to set up + hand auger.
1145 ~~At 3 ftbgs~~ cwe 03/12/11 Start auger SB-18*
1245 At 13.5 ftbgs Sampler could not advance past 13.5 ftbgs. Refusal @ 13.5 ftbgs. Prepare for grouting
1325 Grouting complete. Prepare for demob from location + site. Conrad (Cascade Drlg) ~~Cebos~~
1338 Carter realized that sample from SB-18 @ 8 ftbgs was inadvertently thrown out. PID = 0.6 ppm. Samples from 11.5' to 13.0 ft are still available for submittal.

Sheet 1 of 2 cwe 03/12/11

1500 Robert + his crew offsite. Carter + Bob wait for Test America courier, spot checks drilling locations for surface completion, spot checks DOW area.

1530 Carter departs site for day. Robert waits for courier to drop samples + extra sample bottles.

* Grout est/used

SB-16 41.7 gal / 44 gal (6 bags Portland
1/3 bag bentonite
+ ~35 gal H2O)

SB-18 41.7 gal / 45 gal. (5 bags Portland
1/3 bag bentonite
+ ~35 gal H2O)

Courier 03/12/11

MWH

DAILY QUALITY CONTROL REPORT

Date: Ø3/14/11
MW PM: Mike
Location: SB-19
Project:
Job Number: 1Ø1Ø88Ø.Ø1Ø1Ø2
Contract Number:

Report No: Carr-5
Day: Monday
Weather: Sunny / warm
Temp: warm
Wind: Light breeze
Humidity: light to moderate

PERSONNEL ON SITE:
MWH – Caroline Carr
Cascade Drilling – Jeffery Johnson, Kevin Rogers, Conrad Villicaña

EQUIPMENT ON SITE:
Sonic Rig, water/casing truck, trailer, + Support truck

WORK PERFORMED (INCLUDING SAMPLING):

0645 Carr onsite + waits for drillers.
Ø700 Cascade Drilling onsite. Discuss todays agenda + adjust H+S topics according
Ø730 GE Aviation representative (Alice ~~[Sawfer~~ Lisa]) onsite to give us badges + quick overview of facilities. CWC Ø3/14/11
Ø745 Recon location + discuss setup. Prepare to mob + setup on SB-19.
Ø83Ø Tower up.
Ø845 Start cutting through asphalt.
Ø91Ø ~~Cut~~ CWC Ø3/14/11 Start handaugering. Immediately encountered fill.
Ø92Ø Boring cleared to 5ft bgs. Instructed driller to go slowly to 15 ft bgs.
Ø93Ø Start drilling SB-19 w/ 8" Ø drive casing + 6" Ø core barrel.
1ØØØ Drive rod broke @ 15 ft bgs. Recovered rods + replaced section of drive rod.
1115 Driller was trying to clean out the drive casing w/ the core barrel, when core barrel got stuck + attempts to get it unstuck caused the drive rod to break @ threads. Jeffery calls office to determine best method to reconnect to drive rod (+ core barrel).
112Ø Jeffery ~~[illegible]~~ CWC Ø3/14/11 will need to weld/cut. Called Eric Vandevelde + he approves approach (no hotwork permit w/n MWH), but recommends I talk to Robert + Lisa ~~of~~ GE Aviation to get their approval before we proceed w/ repair attempt. ~~Called R~~ Paged Robert ~~Kol~~ Kipfer. CWC Ø3/14/11
114Ø No response from Robert. Called Lisa Sawyer to tell her about welding + ask for approval. She will call me back in a few minutes

Sheet 1 of ___

1155 Lisa Sawyer onsite & issued [illegible] for tomorrow. will [illegible] good through 1630 today. If we need another one, then we will need to repeat procedures. PID=0.

1203 Start welding beads onto threads to help bind the drive rod sections.

1208 Attempt to reconnect drive rod w/ drill head.

1210 Success. Resume drilling.

1230 8" ϕ drive casings @ 18 ftbgs cleaned out. Ready to advance core barrel from 20-25 ftbgs. Drillers take lunch break. Called Test America-Irvine to arrange @ 14:30pm pickup.

1245 Resume drilling.

~~1535~~ Drillers take break. Test America onsite

1540 Drillers resume work. 1610 Test America offsite w/ sample.

1645 ~~Dr~~ 8" drive casings @ 38 ftbgs. & unable to be advanced deeper. Core barrel did recover cores from 38-39 & 39-40'. Tracy (ops mgr) suggested that Driller tries ~~to advance borehole~~ w/ 6 inch drive casing then use 4" core barrel. If this doesn't work, this may be refusal on a boulder.

1650 Start tripping down w/ 6 inch drive casings.

1705 Advancement of 6" drive casing unsuccessful. Shut down for day to determine if we should abandon & Stepout or just call it a bore @ SB-19. Drillers shut down for the day.

1715 Collect sample @ 39.5 ftbgs. Soil core is still warm, may bias VOC results

1730 Drillers offsite.

1800 Carter talks to Vandervelde for end-of-day report & to determine what to do tomorrow.

1815 Carter offsite

CWC 03/14/11

MWH

DAILY QUALITY CONTROL REPORT

Date: 03/15/11
MW PM: Mike Cirz
Location: Duarte, CA
Project: GE Aviation - Duarte
Job Number: 100880.0101.02
Contract Number:

Report No: Cator-6
Day: Tuesday
Weather: Sunny/hazy
Temp: cool - warm
Wind: light breeze
Humidity: light to moderate

PERSONNEL ON SITE:
Caroline Cator (MWH)
Jeffry Johnson, Kevin Rogers, Conrad Villicaña.

EQUIPMENT ON SITE:
Sonic drilling, water tender truck, support truck, personal vehicle.

WORK PERFORMED (INCLUDING SAMPLING):
0700 MWH + Cascade on site. Discuss today's agenda + adjust HASP topics accordingly. Cator calls Lisa to get badges. (visitor)
0730 Prepare to backfill bore w/ cement bentonite grout. (est. 108 gallons needed).
0800 Added grout to bore & pull casings
0830 ~120 gallons of grout added + level is @ ~5 bags. One more batch ~~may~~ be made to ~~make sure~~ top off grout in borehole.
0840 Wait 30 minutes to see if grout level drops (per 3/15/11)
0910 ~~Grout~~ level did not drop. Add 7 bags of chips + hydrate. Add 1 bag of portland on top + hydrate. Complete @ surface w/ asphalt patch.
0930 Tower down (per 3/15/11) prepare to decon drive casings
1025 SB-19 patched. Decon pad setup + ready for drive casings.
1030 Start decon casings.
1100 Lunch break. Erik Vanderwalde called to say
1130 resume work. Prepare for final site departure
~~1215~~
1215 Cator + Villicaña collect composite soil & water samples for IDW.

There are a total of 26 drums:
23 soil
1 grout
2 decon water.

Composite soil sample came from 6 drums.
Composite water sample came from both water drums.

1245 Cascade drilling offsite. Carter meets w/ Robert to inform him that we are done.
1300 Carter offsite & heads to Arcadia office to drop samples off w/ Eric Vandivelde lab courier won't be in area until 4pm.
1350 Carter transfers custody of samples to Eric Vandivelde @ Arcadia office
1415 Carter departs Arcadia office

Grout est / used:

SB-19 ~~108~~ gallons / 135 gallons. (18 bags Portland + 1 bag bentonite + 105 gallons water)
+ 7 bags of bentonite chips
+ 1 bag of concrete (on top of chips) to provide back for asphalt above chips.

Cwc 03/15/11

Sheet 2 of 2

MWH HEALTH HAZARD ASSESSMENT CALIBRATION SHEET

CLIENT: GE Aviation **PROJECT SITE:** GE Aviation (Duarte)

COMMENTS:

DATE / TIME / INITIALS	INSTRUMENT (MAKE AND MODEL)	SERIAL OR ID NUMBER	CALIBRATION GAS OR SUBSTANCE	CONCEN-TRATION OR VALUE	INSTRUMENT READING	COMMENTS	OK?
03/09/11 CWE	Mini Rae 3000	R11309	100ppm Isobutylene	105 ±2% ppm	99.1	needs calibration	NO
↓	↓	↓	↓	↓	101.8		YES
03/09/11 CWE	Multi Rae Plus	095-523267	Isobutylene	100 ±2% ppm	99.8	Calibration 3/8/11	YES
			Hydrogen Sulfide	25 ppm	25		
			CO	50 ppm	50		
			Methane (LEL)	50%	50%		
↓	↓	↓	O2	20.9%	20.9%	↓	↓
03/10/11 0730 BF	Mini Rae 3000	R8900	Isobutylene	100 ppm ±2%	100 ppm	Calibration 3/8/11	YES
03/11/11 0730 CWE	Mini Rae 3000	R11309	Isobutylene	100 ppm ±2%	120.3 ppm	Calibration needed	
↓	↓	↓	↓	↓	100.7 ppm	~~Est~~ CWE 03/11/11	YES
03/11/11 0735 CWE	Multi Rae Plus	095-523267	Isobutylene	100 ±2 ppm	96.0	Needs calibration	NO
			Hydrogen Sulfide	25 ppm	25	Calibration 3/8/11	YES
			CO	50 ppm	50		
			methane (LEL)	50%	50%		
↓	↓	↓	O2	20.9%	20.9%	↓	↓
03/11/11 0755 CWE	Mini Rae 3000	R11309	Isobutylene	100 ±2% ppm	99.1	good	YES
↓	↓	↓	Isobutylene	100 ±2 ppm	117.4	need calibration	NO
	Mini Rae 3000	R8600	↓	↓ CWE 4/11/11 ~~108.5~~ 100.1	~~108.5~~ 100.1	good	YES
↓	↓	↓	Isobutylene	100 ±2 ppm	108.5	needs calibration	NO
					94.8	good	YES

MWH HEALTH HAZARD ASSESSMENT CALIBRATION SHEET

CLIENT: GE Aviation PROJECT SITE: GE Aviation (Duarte)

COMMENTS: PID not ~~needed~~ necessary during ~~work~~ borehole abandonment on 03/15/11
CWC 03/15/11 CWC 03/15/11

DATE / TIME / INITIALS	INSTRUMENT (MAKE AND MODEL)	SERIAL OR ID NUMBER	CALIBRATION GAS OR SUBSTANCE	CONCENTRATION OR VALUE	INSTRUMENT READING	COMMENTS	OK?
CWC 0758 03/11/11	Multi Rae Plus	095-523267	~~100 ppm~~ Isobutylene 03/11/11	100±2 ppm	88.4 ppm	Needs calibration	NO
			Hydrogen Sulfide	~~25~~ 25 ppm	~~25~~ 23 ppm	Good	ok
			CO	50 ppm	50 ppm		ok
			Methane (LEL)	~~50~~ 50%	53%		ok
			O_2	20.9%	20.9%		ok
			Isobutylene	100±2 ppm	100 ppm		YES
03/12/11 CWC 0740	Mini Rae 3000	R11309	Isobutylene	100±2 ppm	108.5	needs calibration	NO
				100±2 ppm	101.2	good	ok
03/12/11 CWC 0745	Mini Rae 3000	R8600	Isobutylene	100±2 ppm	116.5	needs calibration	NO
					100.6	good	ok
03/14/11 CWC 0760	Mini Rae 3000	R11309	Isobutylene	100±2 ppm	108.5	needs calibration	NO
03/14/11 CWC 0815	Mini Rae 3000				101.8	good	ok

CWC 03/15/11

TAILGATE SAFETY MEETING FORM

Date: Mar 9, 2011 Time: 07:35 Job Number: _____

Client: GE Aviation

Site Specific Location: 1700 Business Center Dr, Duarte, CA

Safety Topics Presented

Protective Clothing/Equipment: Level D

Chemical Hazards: Potential VOCs, SVOCs, PCB's, Metals

Physical Hazards: Drilling equip, buried utilities, noise

Special Equipment: PID's outdoors, Multigas for outdoors

Other (IIPP): hearing protection

Emergency Procedures: Hospital route - If 911 ⇒ stand on corner of Business center Dr & Highland.

Hospital: _____ Phone: _____ Ambulance Phone: 911

Hospital Address and Route:

ATTENDEES

NAME PRINTED	SIGNATURE
B Foster	
Caroline Carter	Caroline Carter
CONRAD VILLIN	
Muddy Waters	
Robert Sutfle	

03/09/11

Meeting Conducted By: Bob Robitaille (Name Printed) _____ (Signature)

On-Site Safety Officer: Bob Robitaille Project Manager: _____

TAILGATE SAFETY MEETING FORM

Date: 10 March 2011 Time: 0645 Job Number: ______

Client: GE Aviation

Site Specific Location: Duarte, CA

Safety Topics Presented

Protective Clothing/Equipment: Level D

Chemical Hazards: Potential VOC's, SVOC's, PCB's, Metals

Physical Hazards: Slip trip falls, drill rig - rotational, overhead

Special Equipment: PID, 4-gas

Other (IIPP): Ergo, house keeping

Emergency Procedures: ______

Hospital: 911 Phone: - Ambulance Phone: 911

Hospital Address and Route:

ATTENDEES

NAME PRINTED	SIGNATURE
bnfoster	
Caroline Carter	
Conrad Villiam	
Paul Cobos	
Robert Suffle	
Felipe Mendez	
Steve Vibbard	
Eddie Renfree	

Meeting Conducted By: Bob Rolakville ______
Name Printed Signature

On-Site Safety Officer: BR Project Manager: ______

TAILGATE SAFETY MEETING FORM

Date: 03/11/11 Time: 0700 Job Number: 1010880

Client: G.E. Aviation - Project Ellipse

Site Specific Location: Duarte, CA

Safety Topics Presented

Protective Clothing/Equipment: Level D w/ hearing protection as needed

Chemical Hazards: Potential VOC's, SVOC's, PCB's, Metals

Physical Hazards: STF, slippery floors indoors, pinch points, heat stress, bee's

Special Equipment: —

Other (IIPP): House keeping - grout or asphalt flush (no trip hazards!)

Emergency Procedures: Evac area east of main parking lot

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: HASP on dash w/ Map

ATTENDEES

NAME PRINTED	SIGNATURE
Colin Embry	
Caroline Carter	
Corning Villa	
EDDIE Benfrree	
Paul Cobos	
Robert Sieffle	
Steve Vibbard	
Felipe MENDEZ	
JIM PFOZER	

Meeting Conducted By: Bob Robitaille
Name Printed — Signature

On-Site Safety Officer: Bob Robitaille Project Manager: Eric VanderValde

Becca - 626.359-9211 x 1369
626.224-4013 cell

TAILGATE SAFETY MEETING FORM

Date: 12 Mar 2011 Time: 0650 Job Number: 1010880

Client: G.E. Aviation

Site Specific Location: 1700 Business Ctr. Dr., Duarte, CA

Safety Topics Presented

Protective Clothing/Equipment: Level D w/ hearing protection

Chemical Hazards: Possible VOC's, SVOC's, PCB's, metals

Physical Hazards: Drill rigs, hand augers

Special Equipment:

Other (IIPP): Ergo

Emergency Procedures: Evac area is east parking lots, Contact G.E. HSE if emergency,

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route:

HASP on dash has map

ATTENDEES

NAME PRINTED	SIGNATURE
Conrad Villicm	
Paul Cobos	
Robert Suffle	
Eddie Renfroe	
Caroline Carr	
CWC 03/15/11	

Meeting Conducted By: B. Robitaille
Name Printed

Signature

On-Site Safety Officer: B. Robitaille

Project Manager: Eric Vander Velde

TAILGATE SAFETY MEETING FORM

Date: 03/14/11 Time: 0710 Job Number: L01 0880.010102

Client: GE Aviation

Site Specific Location: 1700 E Business Center Drive, Duarte, CA 91010

Safety Topics Presented

Protective Clothing/Equipment: Safety vests (or orange shirts), glasses, hard hats, ear plugs/muffs, hard hats, sunscreen, welding shield.

Chemical Hazards: Solvent & waste oil & lubricants (VOCs, SVOCs, & PCBs)

Physical Hazards: pinch points, noise, traffic, trips, slips, falls, bees (potential), lifting, buried utilities, vehicle traffic

Special Equipment: ~~Arc~~ Arc welding equipment CWC 03/14/11

Other (IIPP): Stop work.

Emergency Procedures: Call 911 from land line phone (if cell will get CHP) Evacuate to emergency evaluation area in eastern parking lot

Hospital: Arcadia Methodist Hospital Phone: 626-445-4441 Ambulance Phone:

Hospital Address and Route: 300 Huntington Dr, Arcadia, CA
See map.

ATTENDEES

NAME PRINTED	SIGNATURE
Jeffery Johnson	Jeffery Johnson
Kevin Rogers	[signature]
Conrad Villa	[signature]

CWC 03/14/11

Meeting Conducted By: Caroline Carter (Name Printed) Caroline Carter (Signature)

On-Site Safety Officer: Caroline Carter Project Manager: Mike

MWH MONTGOMERY WATSON HARZA

TAILGATE SAFETY MEETING FORM

Date: 03/15/11 Time: 0700 Job Number: 1010880

Client: GE Aviation

Site Specific Location: 1700 Business Center Dr, Duarte, CA 91010

Safety Topics Presented

Protective Clothing/Equipment: Safety vests, safety glasses, ear plugs, face shield,

Chemical Hazards: VOC (solvent), SVOC, PCB, metals, oils/lubricants

Physical Hazards: Slip, trips, falls, dust (cement/bentonite), lifting, sun, noise, vehicle traffic, pinch points, splash hazard, bees.

Special Equipment: None

Other (IIPP): None

Emergency Procedures: Stop work. Call 911 from land line phone (if cell, will get CHP). If necessary, evacuate to emergency evacuation area in eastern parking lot.

Hospital: Arcadia Methodist Hospital Phone: 626-445-4441 Ambulance Phone: ________

Hospital Address and Route: (see map) 300 West Huntington Dr. Arcadia, CA 92405.

ATTENDEES

NAME PRINTED	SIGNATURE
Kevin Rogers	[signature]
Conrad Villa	[signature]
Jeffrey Johnson	[signature]

CWC 03/15/11

Meeting Conducted By: Caroline Carter (Name Printed) [signature] (Signature)

On-Site Safety Officer: Caroline Carter Project Manager: Mike Ciro

Laboratory analytical reports will be included in the electronic disk copy delivered to GE Aviation with the Final Phase II report.

DATA VALIDATION REPORT

GE Aviation – Duarte

Fifty-seven soil samples, two waste samples and associated quality assurance/quality control samples were collected from the GE Aviation Duarte Site between March 9 and 15, 2011. The samples were analyzed by Test America Laboratories, Inc., Irvine, California for one or more of the following: volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) methods SW-846 5030B/8260B; semi-volatile organic compounds (SVOCs) by USEPA Method SW-846 8270C; polychlorinated biphenyls (PCBs) by USEPA Methods SW-846 3546/8082 and total metals by USEPA Methods SW-846 6020/7470A/7471A.

The analytical data were reviewed based on the results of the data evaluation parameters and/or the QC sample results provided by the laboratory.

VOCs

Sample Delivery Group (SDG) IUC1180

The laboratory control sample (LCS) associated with sample SB-02-1.5-SO indicated a percent recovery (%R) outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

According to the laboratory, the calibration verification (CV) associated with sample SB-02-1.5-SO indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

SDG IUC1332

The method blank associated with samples TB-031011 and EB20110310 indicated a detection of methylene chloride (1.24 micrograms per liter [µg/L]). None of the associated samples indicated detections of methylene chloride, therefore no qualifiers were issued.

The surrogate spike recovery of dibromofluoromethane associated with samples SB-06-1.5, SB-06-7.0, SB-06-15, SB-08-7.0, and SB-08-15 indicated %Rs outside the acceptance criteria with low biases. According to the laboratory, these were due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1467

The LCS associated with sample TB20110311 indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

According to the laboratory, the CV associated with sample TB-20110311 indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

SDG IUC1468

The surrogate spike recovery of dibromofluoromethane associated with sample SB-13-14 indicated a %R outside the acceptance criteria with a low bias. According to the laboratory, this was due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1517

According to the laboratory, the CV associated with sample TB-110312 indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

The LCS associated with sample TB-110312 indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

SDG IUC1732

According to the laboratory, the CV associated with sample SB-19-39.5 indicated a %R outside the acceptance criteria with a high bias for trans-1,3-dichloropropene. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

SVOCs

SDG IUC1180

Elevated reporting limits were noted for samples SB-02-1.5-SO, SB-04-1.5-SO, and SB-01-1.0. According to the laboratory, these were due to matrix effects. Therefore, no qualifiers were issued.

According to the laboratory, the CV associated with samples SB-02-7.5-SO, SB-02-14-SO, SB-04-7.0-SO, SB-04-15-SO, SB-03-11, SB-03-6.7, and SB-01-22.5 indicated a %R outside the acceptance criteria with a high bias for bis(2-chloroisopropyl)ether. This analyte was not detected in the associated samples, therefore no qualifiers were issued.

SDG IUC1332

Elevated reporting limits were noted for samples SB-06-1.5, SB-08-1.5, SB-10-8, SB-11-7, and SB-07-01. According to the laboratory, these were due to matrix effects. Therefore, no qualifiers were issued.

The LCS Duplicate (LCSD) associated with sample EB20110310 indicated a relative percent difference (RPD) outside the acceptance criteria for benzidine. Both %Rs for this analyte were within acceptance criteria in the LCS and LCSD. Therefore, no qualifiers were issued.

The surrogate spike recovery of 2,4,6-tribromophenol associated with sample SB-10-8 indicated a %R outside the acceptance criteria with a low bias. According to the laboratory, this was due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1467

Elevated reporting limits were noted for samples SB-15-1.0, SB-15-10.3, and SB-15-13.3. According to the laboratory, these were due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1468

Elevated reporting limits were noted for samples SB-13-1 and SB-13-7. According to the laboratory, these were due to matrix effects. Therefore, no qualifiers were issued.

The surrogate spike recovery of 2,4,6-tribromophenol associated with sample SB-13-14 indicated a %R outside the acceptance criteria with a low bias. According to the laboratory, this was due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1517

The LCS associated with all samples indicated a %R outside the acceptance criteria with a low bias for benzidine. According to the laboratory, the USEPA method identifies benzidine as known to be subject to oxidative losses during solvent concentration. Therefore, no qualifiers were issued.

The MS/MSD associated with sample SB-17-1' indicated a %R outside the acceptance criteria with a low bias for benzidine. The same MS/MSD indicated RPDs outside the acceptance criteria for: acenaphthylene; 2-chloronaphthalene; 2,6-dinitrotoluene; 2-methylnaphthalene; and 2,4,5-trichlorophenol. According to the laboratory, these anomalies were due to matrix effects. Therefore, no qualifiers were issued.

According to the laboratory, the CV associated with all samples indicated a %R outside the acceptance criteria with a high bias for bis(2-chloroisopropyl)ether. This analyte was not detected in the associated samples, therefore no qualifiers were issued.

SDG IUC1567

According to the laboratory, the CV associated with sample SB-19-1.1 indicated a %R outside the acceptance criteria with a high bias for bis(2-chloroisopropyl)ether. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

SDG IUC1732

The surrogate spike recovery of 2,4,6-tribromophenol associated with sample IDW-1 indicated a %R outside the acceptance criteria with a low bias. According to the laboratory, this was due to matrix effects. Therefore, no qualifiers were issued.

The LCS associated with sample IDW-2 indicated %Rs outside the acceptance criteria with high biases for: benzo(g,h,i)perylene; dibenz(a,h)anthracene; and indeno(1,2,3-cd)pyrene. None of these analytes were detected in the associated sample, therefore no qualifiers were issued.

The MS/MSD associated with sample IDW-1 indicated %Rs outside the acceptance criteria with low biases for: benzidine; benzoic acid; 2,4-dinitrophenol; pentachlorophenol; and 2,4,6-trichlorophenol. The same MS/MSD indicated a %R outside the acceptance criteria for benzo(g,h,i)perylene. According to the laboratory, these anomalies were all due to matrix effects. Therefore, no qualifiers were issued.

PCBs

SDG IUC1332

The surrogate spike recovery of decachlorobiphenyl associated with sample SB-05A-1.8 indicated a %R outside the acceptance criteria with a low bias. According to the laboratory, the secondary source surrogates were within acceptance criteria. Therefore, no qualifiers were issued.

SDG IUC1517

According to the laboratory, the CV associated with sample SB-17-1' indicated a %R outside the acceptance criteria with a high bias for Aroclor 1260. This analyte was not detected in the associated sample, therefore no qualifiers were issued.

Metals

SDG IUC1180

The method blank associated with samples SB-01-1.0 and SB-01-22.5 indicated detections of chromium (1.02 milligrams per kilogram [mg/kg]) and antimony (1.31 mg/kg). Samples exhibiting detections of these analytes at concentrations less than 10X the method blank concentration were qualified "B" indicating blank contamination.

The MS/MSD associated with sample SB-01-1.0 indicated %Rs outside the acceptance criteria with low biases for beryllium, chromium, copper, and nickel. The same MS/MSD indicated a %R outside the acceptance criteria with a high bias for tin. According to the laboratory, these anomalies were due to matrix effects. Therefore, no qualifiers were issued.

SDG IUC1332

The method blank associated with all soil samples indicated a detection of molybdenum (1.43 mg/kg). Samples exhibiting detections of molybdenum at concentrations less than 10X the method blank concentration were qualified "B" indicating blank contamination.

SDG IUC1467

The method blank associated with all samples indicated detections of molybdenum (0.227 mg/kg) and silver (0.37 mg/kg). Samples exhibiting detections of these analytes at concentrations less than 10X the method blank concentration were qualified "B" indicating blank contamination.

SDG IUC1468

The method blank associated with all samples indicated detections of molybdenum (0.227 mg/kg) and silver (0.37 mg/kg). Samples exhibiting detections of these analytes at concentrations less than 10X the method blank concentration were qualified "B" indicating blank contamination.

SDG IUC1567

According to the laboratory, the LCS associated with sample SB-19-1.1 utilized germanium as the internal standard for beryllium. No qualifiers were issued due to this anomaly.

SDG IUC1732

The method blank associated with sample IDW-2 indicated a detection of antimony (0.515 µg/L). The sample exhibited a detection of antimony at a concentration less than 10X the method blank concentration and therefore was qualified "B" indicating blank contamination.

Based on the results of this data validation, all data for the GE Aviation Duarte Site are considered complete and valid as qualified.

Appendix B

Los Angeles County Department of Public Health Soil Boring Permit



ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • { HYPERLINK "http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm" }

Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS
1700 Business Center Drive	Duarte	91010	dblankenhorn@ce.solutions

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

X	WORK PLAN APPROVED FOR: 10 Soil Borings Exp. Hole	**PERMIT NUMBER:**	SR0150137	**DATE:**	6-29-2018

ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- Ensure the boring/exploration hole is backfilled within 24 hours of boring construction.
- Ensure to backfill using a tremie pipe under pressure or equivalent equipment with approved cement grout, proceeding upward from the bottom of the boring/exploration hole.
- Ensure soil borings are sealed per California Well Standards 74-90
  - Cement grout mix ratio of 5-6 gallons of water per 94-pound bag of Portland cement.
  - Up to 6% of Bentonite may be added to the cement-based mix.
  - No hydrated Bentonite chips
- Borings/Exploration holes must comply with all applicable requirements published in the California Well Standards (Bulletins 74-81 and 74-90) and the Los Angeles County Code, Title 11.

APPROVED BY:

Belinda Larsen, REHS
21515 Vanowen St. Ste. 116
Canoga Park, Ca 91303
(818) 593-7308

5838

Appendix C

Subsurface Geophysical Survey Report



Subsurface Investigation Report

Project:

Woodward HRT Facility
1700 Business Center Drive
Duarte, CA

Prepared For:

Jo Anna Beck, Environmental Scientist
Catalyst Environmental Solutions
Santa Monica, CA

Prepared By:

Pacific Coast Locators, Inc.
EM & GPR Technicians
2606 Foothill Blvd., Ste. G La Crescenta, CA 91214
Ph: 818-249-7700 Fax: 818-249-7701

INTRODUCTION

Pacific Coast Locators, Inc. performed a Subsurface Investigation on Monday, July 2nd, 2018 to clear and mark-out all accessible conductive and non-conductive underground utilities within the project areas on-site for 8 proposed boring locations. Our technician also performed a sweep & scan within the areas of concern on-site to attempt to locate two potential Underground Storage Tanks, associated features and/or evidence of excavation.

METHODOLOGY AND EQUIPMENT

The GSSI UtilityScan SIR 3000 Ground Penetrating Radar unit with 400MHz antenna sends a dielectric signal into the earth, which registers with the density of the soil that it is penetrating. Any other material of varied density will either speed up the signal creating an inverted hyperbola or slow it down leaving a hyperbola trail. This is similar to a rock in a creek. The water bends around the rock leaving a tail wake. The GPR signal is not bending however; it is sending back a continuous signal of the curvature of the anomaly or buried feature it encounters. GPR findings are not always accurate due to certain site conditions such as soil lithology, moisture and soil make-up. These can limit the depth to which the GPR antenna can penetrate to locate buried features.

The RD8100 Electro-Magnetic Transmitter & Receiver has Inductive & Conductive capability to locate buried conductive underground utilities, such as copper, steel and galvanized metal water pipes, electrical lines, power lines, tele-communication lines, metal and steel gas lines, and metal and steel pipelines. The RD8100 features include multiple active frequencies to delineate actively the depth and location of the target utility or pipe. The RD4000 receiver has a peak and null gain feature that pinpoints the target utility or pipe in congested areas. The audible signal to noise feature makes it easy for the locating technician to determine accurately the location of a directly connected utility or pipe by sound.

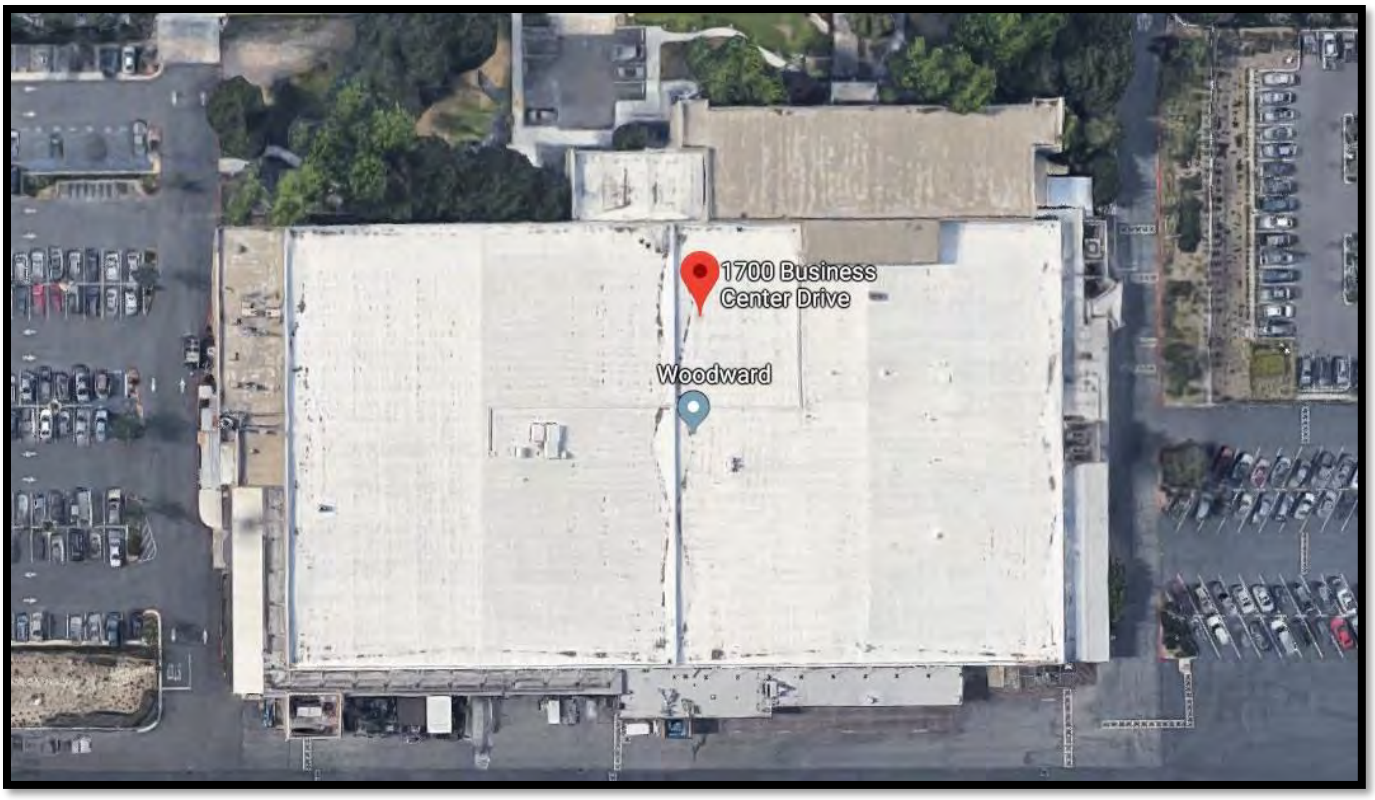
According to Radio Detection, the specifications of the RD8100 include
Sensitivity: 6E-15 Tesla 5µA at 1 meter (33kHz)
Dynamic range: 140dB rms/√Hz
Selectivity: 120dB/Hz
Depth measurement precision: ± 3%
Locate accuracy: ± 5% of depth

The Jameson Duct Hunter 300 Traceable Rodder uses the RD8100 transmitter to energize the rod which is pushed into underground pipe to emit signal that is picked up by the RD8100 receiver above ground. This allows an entire buried utility pipe to be traced and marked continuously from above ground by one man without digging. The rod's ferrule attaches to a 512 Mhz sonde, roller guide, or pulling eye. 5/16" diameter rod has 6" bend radius and is recommended for 2"- 4" conduit.

The Schonstedt GA-52Cx Magnetic Locator detects iron and steel objects underground, such as USTs, buried oil wells and buried metal monitoring well lids. The Schonstedt GA-52Cx Magnetometer provides audio detection signals with frequencies that vary with gradient field intensity. The signals peak in frequency when the locator's tip is held directly over the target.

SITE AREA

The subject site is located at 1700 Business Center Drive in Duarte, CA. The areas of concern that were scanned for possible USTs are located to the south of the building. The proposed boring locations were situated around the perimeter of the building on-site. Below is an aerial view of the site and existing building.

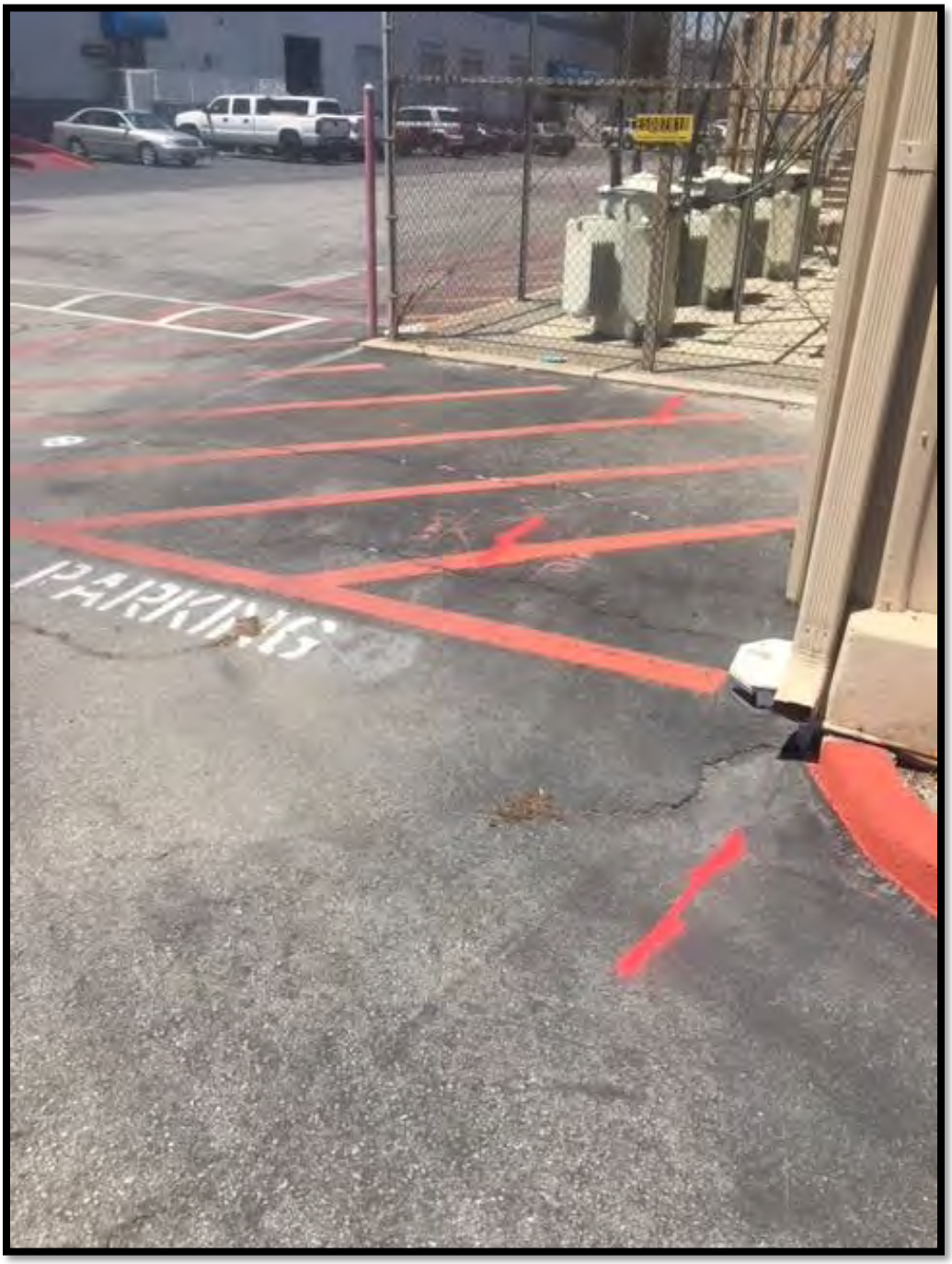


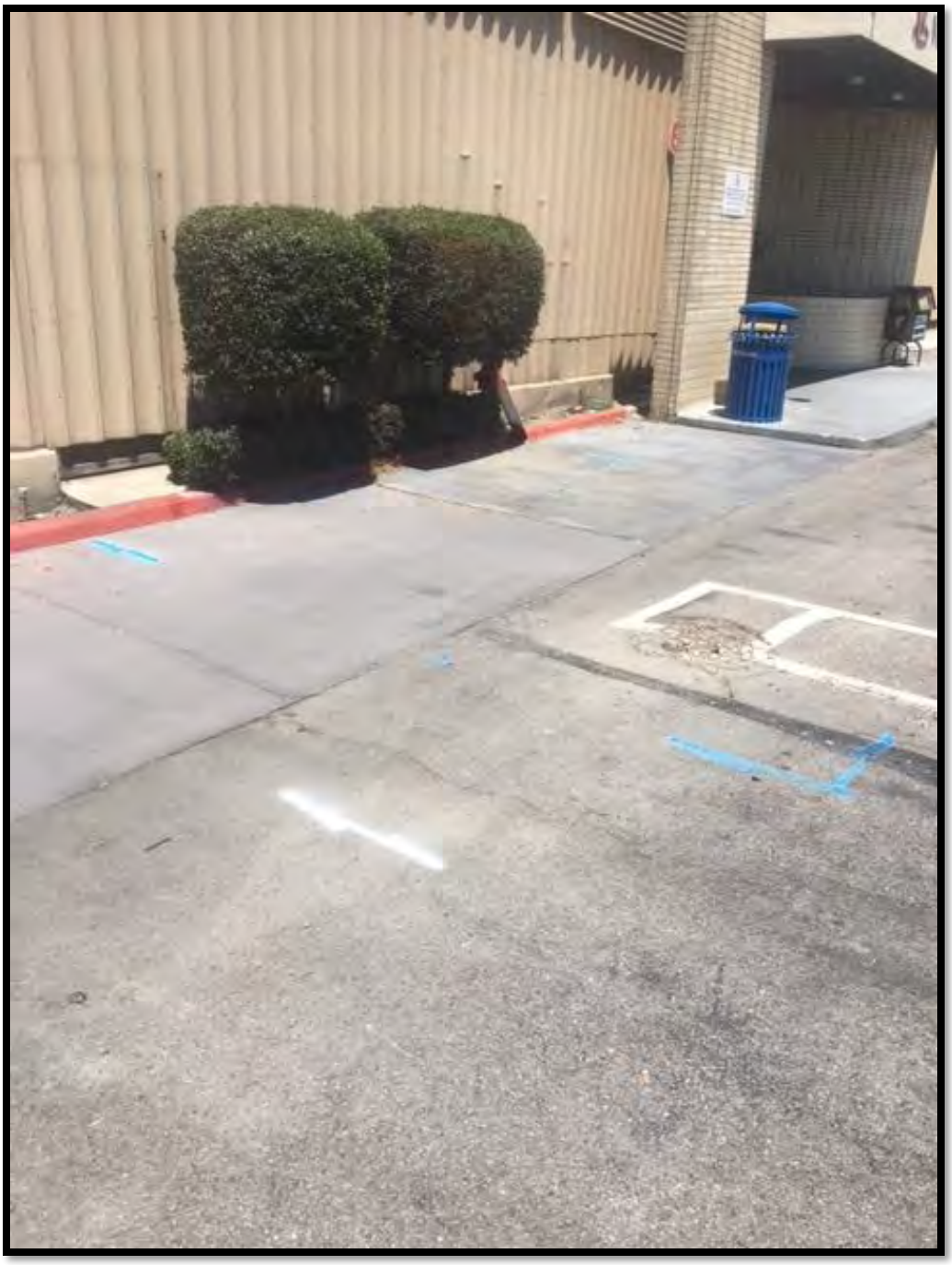
ANALYSES / INTERPRETATIONS AND FINDINGS

Our technician performed a Subsurface Investigation to clear and mark-out all accessible conductive and non-conductive underground utilities within the project areas on-site for 8 proposed boring locations. Our technician also performed a sweep & scan within the areas of concern on-site to attempt to locate two potential Underground Storage Tanks (2,000 gallon and 4,000 gallon), associated features and/or evidence of excavation.

- USA Dig Alert Ticket was called in by client.
- Water lines were located and marked-out on-site.
- Removed all water meter covers within the project area to ensure that there are no additional water meters to be located.
- Electrical lines were located and marked-out from pole/transformer.
- Electrical lines for area lighting were located and marked-out.
- Natural gas lines were not within the project area.
- Sewer line was not within the project area.
- Storm drain lines were located and marked-out.
- Telephone lines, natural gas lines and sewer lines were found to be out of work scope area.
- Scanned areas of concern and found no evidence of current or former USTs.

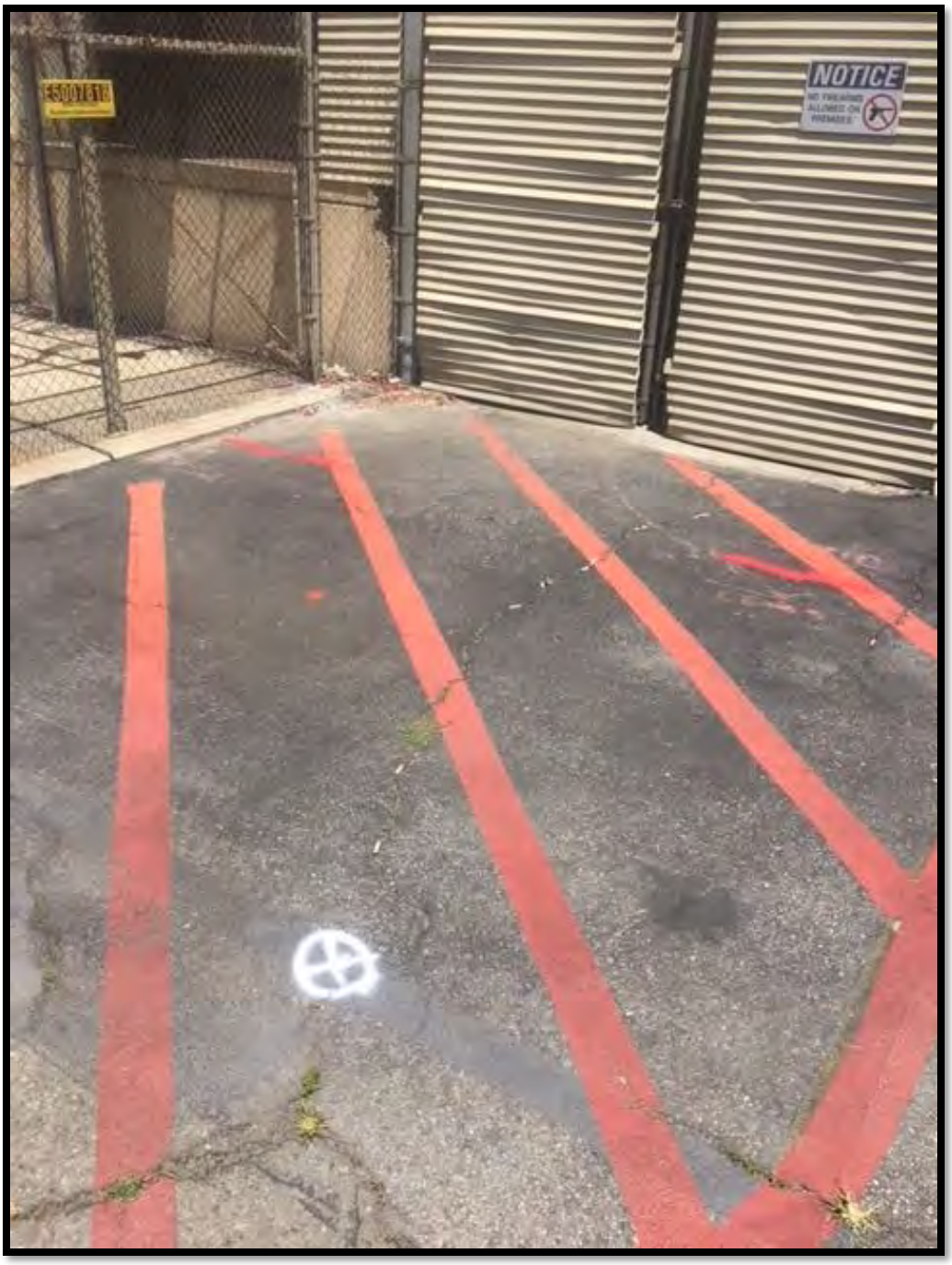
Below are photos of marked-out findings:






1


PARKING



Field work performed by Drew Hoogenhuizen,
Pacific Coast Locators, Inc.

LIMITATIONS

Please be advised that there are limitations to any Subsurface Investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No Subsurface Investigation or equipment can provide a complete image of buried features. Our results should always be used in conjunction with as many methods as possible including: consultation of existing plans and drawings, exploratory excavation or potholing, visual inspection of above ground features and utilization of services such as Dig Alert/Underground Service Alert.

Appendix D

Soil Boring Logs



BORING NUMBER CSB-1

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/6/18
DATE COMPLETED 7/6/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Concrete	0.8
					GRAVELLY SAND, medium dense, light brownish gray (2.5YR 6/2), medium grained, dry, no odor	
0.0		5	SW			
0.8						
1.2						
6.8	CSB1-8					
		10				
7.1						11.0
			SM		SILTY SAND, medium dense, light brown (2.5Y 5/4), medium grained, dry, no odor	12.0
					SILTY SAND, medium dense, light brownish gray (2.5YR 5/6), fine to medium grained, dry, no odor	
0.0			SM			
	CSB1-15	15				
					Bottom of borehole at 15.5 feet bgs	

BORING LOG WOODWARD_SB_1.GPJ 7/24/18

BORING NUMBER CSB-2

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/5/18
DATE COMPLETED 7/5/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Concrente slab with rebar	0.5
0.0	CSB-2-5	5	SW		GRAVELLY SAND, medium dense, light brown light olive (2.5Y 5/2), medium grained, dry, little cobbles, no odor	7.0
0.0			SW		GRAVELLY SAND, medium dense, light yellowish brown (2.5Y 6/2), medium grained, dry, no odor	8.0
0.0	CSB-2-15	10 15	SW		SAND, medium dense, grayish brown (2.5Y 5/2), medium to coarse grained, dry, and cobbles, no odor	
					Bottom of borehole at 15.5 feet bgs	

BORING LOG WOODWARD_SB_1.GPJ 7/24/18

BORING NUMBER CSB-3

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/5/18
DATE COMPLETED 7/5/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					ASPHALT, Rocky material beneath asphalt layer Rocky material beneath asphalt layer	0.3
0.0			SW		SAND, medium dense, light brownish olive (2.5YR 5/3), fine to medium grained, dry, no odor	
		5				5.5
35	CSB-3-6		SM		SILTY SAND, very dense, light gray (2.5Y 7/2), dry, no odor	8.0
0.0			SW		GRAVELLY SAND, very dense, grayish brown (2.5Y 5/2), fine to medium grained, dry, no odor	9.5
0.0		10	SM		SILTY SAND, medium dense, dark grayish brown (2.5Y 4/2), dry, no odor	11.5
0.0			SW		GRAVELLY SAND, medium dense, pale brown (2.5Y 7/3), dry, no odor	13.5
0.0	CSB-3-15	15	SM		SILTY SAND, medium dense, light brownish olive (2.5Y 5/3), moist to dry, no odor	
					Bottom of borehole at 15.5 feet bgs	

BORING LOG WOODWARD_SB_1.GPJ 7/24/18

BORING NUMBER CSB-4

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/5/18
DATE COMPLETED 7/5/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Asphalt	0.3
					SAND, medium dense, light brown (2.5Y 5/4), fine to medium grained, dry, some gravel, no odor	
0.0			SW			
		5				
						6.5
					No Recovery	7.0
0.0			SW		SAND, medium dense, light brown (2.5Y 5/4), fine to medium grained, dry, some gravel, no odor	8.0
0.0			SW		SAND, dense, light brownish gray (2.5Y 6/2), medium grained, dry, no odor	9.5
0.0	CSB-4-10	10	SW		SAND, dense, grayish brown (2.5Y 5/2), fine to medium grained, dry, some gravel, no odor	11.0
					SAND, medium dense, dark grayish brown (2.5Y 4/2), medium to coarse grained, dry, some gravel, no odor	
0.0			SW			
		15				15.0
0.0	CSB-4-15		SM		SILTY SAND, medium dense, dark grayish brown (2.5Y 4/2), fine grained, dry, some gravel, no odor	
					Bottom of borehole at 15.5 feet bgs	

BORING NUMBER CSB-5

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/6/18
DATE COMPLETED 7/6/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Asphalt	0.3
0.0			SW-SM		SILTY SAND, medium dense, very dark grayish brown (2.5Y 3/2), fine grained, moist, some gravel, and cobbles, no odor, possible fill material	
	CSB-5-5	5				5.0
0.0			SW		GRAVELLY SAND, medium dense, light brown (2.5Y 5/3), fine to medium grained, dry, some gravel, no odor	6.5
0.0			SM		SILTY SAND, medium dense, dark grayish brown (2.5Y 4/2), dry, some gravel, no odor	8.0
0.0		10	SW		SAND, medium dense, light brown (2.5Y 5/3), medium grained, dry, some gravel, no odor	12.5
0.0			SM		SILTY SAND, medium dense, brown (2.5Y 4/3), fine grained, dry, some gravel, no odor	14.0
0.0	CSB-5-15	15	SW		SAND, medium dense, light brown (2.5Y 5/4), medium grained, dry, some gravel, no odor	
					Bottom of borehole at 15.5 feet bgs	

BORING NUMBER CSB-6

Catalyst Environmental Solutions

PROJECT NUMBER 270003
PROJECT NAME Woodward - Duarte Facility
DRILLING CONTRACTOR Cascade Drilling
DRILLING METHOD Hollow Stem Auger
Sampling Method Split Spoon
GROUND ELEVATION Approximately 486 ft msl
LOGGED BY Justin Campbell
CHECKED BY David Blankenhorn

DATE STARTED 7/6/18
DATE COMPLETED 7/6/18
LOCATION Duarte, California
BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
DEPTH TO WATER (ft) N/A
GROUND WATER ELEVATION N/A
TOTAL DEPTH (ft) 15.5' bgs
COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Asphalt	0.3
			SW		SAND, medium dense, dark grayish brown (2.5Y 4/2), fine to medium grained, moist, some gravel, no odor, at 5 feet slightly more silt and moisture	
0.0		5				5.5
	CSB-6-6		SM		SILTY SAND, medium dense, dark grayish brown (2.5Y 4/2), fine grained, moist, with cobbles, no odor, density increases at 7 feet	
0.0		10				10.5
			SW		SAND, medium dense, gray (2.5Y 6/1), fine to medium grained, dry, with gravel, no odor, more fines starting at 13 feet	
0.0						13.0
0.0			SW		SAND, medium dense, light yellowish brown (2.5Y 6/3), fine grained, dry, with gravel, no odor	
	CSB-6-15	15			Bottom of borehole at 15.5 feet bgs	

Appendix E

Laboratory Analytical Reports



AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
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July 23, 2018

Justin Campbell

Catalyst Environmental Solutions

315 Montana Ave. #311

Santa Monica, CA 90403

Re : Woodward - Duarte II

A967145 / 8G06009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/06/18 15:45 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8082 PCBs					
CSB3-6	8G06009-01	Soil	3	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	3	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	3	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	3	07/05/18 14:25	07/06/18 15:45
8260B/5035 +OXY+TPHG					
CSB3-6	8G06009-01	Soil	2	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	2	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	2	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	2	07/05/18 14:25	07/06/18 15:45
CSB2-5	8G06009-05	Soil	2	07/05/18 15:30	07/06/18 15:45
CSB2-15	8G06009-06	Soil	2	07/05/18 16:20	07/06/18 15:45
CSB5-5	8G06009-07	Soil	2	07/06/18 08:00	07/06/18 15:45
CSB5-15	8G06009-08	Soil	2	07/06/18 08:50	07/06/18 15:45
CSB6-6	8G06009-09	Soil	2	07/06/18 10:15	07/06/18 15:45
CSB6-15	8G06009-10	Soil	2	07/06/18 10:45	07/06/18 15:45
CSB1-8	8G06009-11	Soil	2	07/06/18 13:30	07/06/18 15:45
CSB1-15	8G06009-12	Soil	2	07/06/18 13:40	07/06/18 15:45
8270C					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CSB3-6	8G06009-01	Soil	2	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	2	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	2	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	2	07/05/18 14:25	07/06/18 15:45
CSB2-5	8G06009-05	Soil	2	07/05/18 15:30	07/06/18 15:45
CSB2-15	8G06009-06	Soil	2	07/05/18 16:20	07/06/18 15:45
CSB5-5	8G06009-07	Soil	2	07/06/18 08:00	07/06/18 15:45
CSB5-15	8G06009-08	Soil	2	07/06/18 08:50	07/06/18 15:45
CSB6-6	8G06009-09	Soil	2	07/06/18 10:15	07/06/18 15:45
CSB6-15	8G06009-10	Soil	2	07/06/18 10:45	07/06/18 15:45
CSB1-8	8G06009-11	Soil	2	07/06/18 13:30	07/06/18 15:45
CSB1-15	8G06009-12	Soil	2	07/06/18 13:40	07/06/18 15:45
CAM Metals Less Hg 6000/7000					
CSB3-6	8G06009-01	Soil	3	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	3	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	3	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	3	07/05/18 14:25	07/06/18 15:45
CSB2-5	8G06009-05	Soil	3	07/05/18 15:30	07/06/18 15:45
CSB2-15	8G06009-06	Soil	3	07/05/18 16:20	07/06/18 15:45
CSB5-5	8G06009-07	Soil	3	07/06/18 08:00	07/06/18 15:45

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CSB5-15	8G06009-08	Soil	3	07/06/18 08:50	07/06/18 15:45
CSB6-6	8G06009-09	Soil	3	07/06/18 10:15	07/06/18 15:45
CSB6-15	8G06009-10	Soil	3	07/06/18 10:45	07/06/18 15:45
CSB1-8	8G06009-11	Soil	3	07/06/18 13:30	07/06/18 15:45
CSB1-15	8G06009-12	Soil	3	07/06/18 13:40	07/06/18 15:45
Carbon Chain Characterization 8015M					
CSB3-6	8G06009-01	Soil	0	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	0	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	0	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	0	07/05/18 14:25	07/06/18 15:45
CSB2-5	8G06009-05	Soil	0	07/05/18 15:30	07/06/18 15:45
CSB2-15	8G06009-06	Soil	0	07/05/18 16:20	07/06/18 15:45
CSB5-5	8G06009-07	Soil	0	07/06/18 08:00	07/06/18 15:45
CSB5-15	8G06009-08	Soil	0	07/06/18 08:50	07/06/18 15:45
CSB6-6	8G06009-09	Soil	0	07/06/18 10:15	07/06/18 15:45
CSB6-15	8G06009-10	Soil	0	07/06/18 10:45	07/06/18 15:45
CSB1-8	8G06009-11	Soil	0	07/06/18 13:30	07/06/18 15:45
CSB1-15	8G06009-12	Soil	0	07/06/18 13:40	07/06/18 15:45
Mercury Total EPA 7470A/7471A					

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CSB3-6	8G06009-01	Soil	3	07/05/18 10:30	07/06/18 15:45
CSB3-15	8G06009-02	Soil	3	07/05/18 11:30	07/06/18 15:45
CSB4-10	8G06009-03	Soil	3	07/05/18 13:45	07/06/18 15:45
CSB4-15	8G06009-04	Soil	3	07/05/18 14:25	07/06/18 15:45
CSB2-5	8G06009-05	Soil	3	07/05/18 15:30	07/06/18 15:45
CSB2-15	8G06009-06	Soil	3	07/05/18 16:20	07/06/18 15:45
CSB5-5	8G06009-07	Soil	3	07/06/18 08:00	07/06/18 15:45
CSB5-15	8G06009-08	Soil	3	07/06/18 08:50	07/06/18 15:45
CSB6-6	8G06009-09	Soil	3	07/06/18 10:15	07/06/18 15:45
CSB6-15	8G06009-10	Soil	3	07/06/18 10:45	07/06/18 15:45
CSB1-8	8G06009-11	Soil	3	07/06/18 13:30	07/06/18 15:45
CSB1-15	8G06009-12	Soil	3	07/06/18 13:40	07/06/18 15:45

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8270C (EPA 8270C)					
3,3´-Dichlorobenzidine	<0.40	<0.40	<0.40	<0.40	0.40
Acenaphthene	<0.10	<0.10	<0.10	<0.10	0.10
Acenaphthylene	<0.10	<0.10	<0.10	<0.10	0.10
Aniline	<0.20	<0.20	<0.20	<0.20	0.20
Anthracene	<0.10	<0.10	<0.10	<0.10	0.10
Azobenzene	<0.10	<0.10	<0.10	<0.10	0.10
Benzidine	<0.40	<0.40	<0.40	<0.40	0.40
Benzo(a)anthracene	<0.10	<0.10	<0.10	<0.10	0.10
Benzo(a)pyrene	<0.10	<0.10	<0.10	<0.10	0.10
Benzo(b)fluoranthene	<0.10	<0.10	<0.10	<0.10	0.10
Benzo(g,h,i)perylene	<0.10	<0.10	<0.10	<0.10	0.10
Benzoic acid	<1.0	<1.0	<1.0	<1.0	1.0
Benzo(k)fluoranthene	<0.10	<0.10	<0.10	<0.10	0.10
Benzyl alcohol	<0.10	<0.10	<0.10	<0.10	0.10
4-Bromophenyl phenyl ether	<0.10	<0.10	<0.10	<0.10	0.10
Butyl benzyl phthalate	<0.50	<0.50	<0.50	<0.50	0.50
4-Chloro-3-methylphenol	<0.20	<0.20	<0.20	<0.20	0.20
4-Chloroaniline	<0.40	<0.40	<0.40	<0.40	0.40
Bis(2-chloroethoxy)methane	<0.10	<0.10	<0.10	<0.10	0.10
Bis(2-chloroethyl)ether	<0.10	<0.10	<0.10	<0.10	0.10
Bis(2-chloroisopropyl)ether	<0.10	<0.10	<0.10	<0.10	0.10
2-Chloronaphthalene	<0.10	<0.10	<0.10	<0.10	0.10
2-Chlorophenol	<0.10	<0.10	<0.10	<0.10	0.10
4-Chlorophenyl phenyl ether	<0.10	<0.10	<0.10	<0.10	0.10
Chrysene	<0.10	<0.10	<0.10	<0.10	0.10
Dibenzo(a,h)anthracene	<0.10	<0.10	<0.10	<0.10	0.10
Dibenzofuran	<0.10	<0.10	<0.10	<0.10	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8270C (EPA 8270C) (continued)					
Di-n-butyl phthalate	<2.0	<2.0	<2.0	<2.0	2.0
1,2-Dichlorobenzene	<0.10	<0.10	<0.10	<0.10	0.10
1,3-Dichlorobenzene	<0.10	<0.10	<0.10	<0.10	0.10
1,4-Dichlorobenzene	<0.10	<0.10	<0.10	<0.10	0.10
2,4-Dichlorophenol	<0.10	<0.10	<0.10	<0.10	0.10
Diethyl phthalate	<0.80	<0.80	<0.80	<0.80	0.80
2,4-Dimethylphenol	<0.10	<0.10	<0.10	<0.10	0.10
Dimethyl phthalate	<0.20	<0.20	<0.20	<0.20	0.20
4,6-Dinitro-2-methylphenol	<0.20	<0.20	<0.20	<0.20	0.20
2,4-Dinitrophenol	<0.40	<0.40	<0.40	<0.40	0.40
2,6-Dinitrotoluene	<0.10	<0.10	<0.10	<0.10	0.10
2,4-Dinitrotoluene	<0.10	<0.10	<0.10	<0.10	0.10
Di-n-octyl phthalate	<0.10	<0.10	<0.10	<0.10	0.10
1,2-Diphenylhydrazine	<0.10	<0.10	<0.10	<0.10	0.10
Bis(2-ethylhexyl)phthalate	<0.20	<0.20	<0.20	<0.20	0.20
Fluoranthene	<0.10	<0.10	<0.10	<0.10	0.10
Fluorene	<0.10	<0.10	<0.10	<0.10	0.10
Hexachlorobenzene	<0.10	<0.10	<0.10	<0.10	0.10
Hexachlorobutadiene	<0.10	<0.10	<0.10	<0.10	0.10
Hexachlorocyclopentadiene	<0.10	<0.10	<0.10	<0.10	0.10
Hexachloroethane	<0.10	<0.10	<0.10	<0.10	0.10
Indeno (1,2,3-cd) pyrene	<0.40	<0.40	<0.40	<0.40	0.40
Isophorone	<0.10	<0.10	<0.10	<0.10	0.10
2-Methylnaphthalene	<0.10	<0.10	<0.10	<0.10	0.10
2-Methylphenol	<0.20	<0.20	<0.20	<0.20	0.20
3-Methylphenol	<0.20	<0.20	<0.20	<0.20	0.20
4-Methylphenol	<0.20	<0.20	<0.20	<0.20	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8270C (EPA 8270C) (continued)					
Naphthalene	<0.10	<0.10	<0.10	<0.10	0.10
4-Nitroaniline	<0.50	<0.50	<0.50	<0.50	0.50
3-Nitroaniline	<0.40	<0.40	<0.40	<0.40	0.40
2-Nitroaniline	<0.10	<0.10	<0.10	<0.10	0.10
Nitrobenzene	<0.10	<0.10	<0.10	<0.10	0.10
2-Nitrophenol	<0.20	<0.20	<0.20	<0.20	0.20
4-Nitrophenol	<0.20	<0.20	<0.20	<0.20	0.20
N-Nitrosodimethylamine	<0.10	<0.10	<0.10	<0.10	0.10
N-Nitrosodiphenylamine	<0.10	<0.10	<0.10	<0.10	0.10
N-Nitrosodi-n-propylamine	<0.10	<0.10	<0.10	<0.10	0.10
Pentachlorophenol	<0.10	<0.10	<0.10	<0.10	0.10
Phenanthrene	<0.10	<0.10	<0.10	<0.10	0.10
Phenol	<0.10	<0.10	<0.10	<0.10	0.10
Pyrene	<0.10	<0.10	<0.10	<0.10	0.10
1,2,4-Trichlorobenzene	<0.10	<0.10	<0.10	<0.10	0.10
2,4,5-Trichlorophenol	<0.20	<0.20	<0.20	<0.20	0.20
2,4,6-Trichlorophenol	<0.20	<0.20	<0.20	<0.20	0.20
Surrogates					**%REC Limits**
2-Fluorobiphenyl	77%	75%	79%	80%	43-145
2-Fluorophenol	57%	62%	58%	66%	21-143
Nitrobenzene-d5	56%	66%	56%	66%	35-142
Phenol-d6	61%	69%	63%	64%	10-135
Terphenyl-dl4	63%	68%	72%	68%	33-148
2,4,6-Tribromophenol	60%	78%	71%	67%	10-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/09/18	07/10/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	2	1	MRL
8270C (EPA 8270C)					
3,3´-Dichlorobenzidine	<0.40	<0.40	<0.80	<0.40	0.40
Acenaphthene	<0.10	<0.10	<0.20	<0.10	0.10
Acenaphthylene	<0.10	<0.10	<0.20	<0.10	0.10
Aniline	<0.20	<0.20	<0.40	<0.20	0.20
Anthracene	<0.10	<0.10	<0.20	<0.10	0.10
Azobenzene	<0.10	<0.10	<0.20	<0.10	0.10
Benzidine	<0.40	<0.40	<0.80	<0.40	0.40
Benzo(a)anthracene	<0.10	<0.10	<0.20	<0.10	0.10
Benzo(a)pyrene	<0.10	<0.10	<0.20	<0.10	0.10
Benzo(b)fluoranthene	<0.10	<0.10	<0.20	<0.10	0.10
Benzo(g,h,i)perylene	<0.10	<0.10	<0.20	<0.10	0.10
Benzoic acid	<1.0	<1.0	<2.0	<1.0	1.0
Benzo(k)fluoranthene	<0.10	<0.10	<0.20	<0.10	0.10
Benzyl alcohol	<0.10	<0.10	<0.20	<0.10	0.10
4-Bromophenyl phenyl ether	<0.10	<0.10	<0.20	<0.10	0.10
Butyl benzyl phthalate	<0.50	<0.50	<1.0	<0.50	0.50
4-Chloro-3-methylphenol	<0.20	<0.20	<0.40	<0.20	0.20
4-Chloroaniline	<0.40	<0.40	<0.80	<0.40	0.40
Bis(2-chloroethoxy)methane	<0.10	<0.10	<0.20	<0.10	0.10
Bis(2-chloroethyl)ether	<0.10	<0.10	<0.20	<0.10	0.10
Bis(2-chloroisopropyl)ether	<0.10	<0.10	<0.20	<0.10	0.10
2-Chloronaphthalene	<0.10	<0.10	<0.20	<0.10	0.10
2-Chlorophenol	<0.10	<0.10	<0.20	<0.10	0.10
4-Chlorophenyl phenyl ether	<0.10	<0.10	<0.20	<0.10	0.10
Chrysene	<0.10	<0.10	<0.20	<0.10	0.10
Dibenzo(a,h)anthracene	<0.10	<0.10	<0.20	<0.10	0.10
Dibenzofuran	<0.10	<0.10	<0.20	<0.10	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/09/18	07/10/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	2	1	MRL
8270C (EPA 8270C) (continued)					
Di-n-butyl phthalate	<2.0	<2.0	<4.0	<2.0	2.0
1,2-Dichlorobenzene	<0.10	<0.10	<0.20	<0.10	0.10
1,3-Dichlorobenzene	<0.10	<0.10	<0.20	<0.10	0.10
1,4-Dichlorobenzene	<0.10	<0.10	<0.20	<0.10	0.10
2,4-Dichlorophenol	<0.10	<0.10	<0.20	<0.10	0.10
Diethyl phthalate	<0.80	<0.80	<1.6	<0.80	0.80
2,4-Dimethylphenol	<0.10	<0.10	<0.20	<0.10	0.10
Dimethyl phthalate	<0.20	<0.20	<0.40	<0.20	0.20
4,6-Dinitro-2-methylphenol	<0.20	<0.20	<0.40	<0.20	0.20
2,4-Dinitrophenol	<0.40	<0.40	<0.80	<0.40	0.40
2,6-Dinitrotoluene	<0.10	<0.10	<0.20	<0.10	0.10
2,4-Dinitrotoluene	<0.10	<0.10	<0.20	<0.10	0.10
Di-n-octyl phthalate	<0.10	<0.10	<0.20	<0.10	0.10
1,2-Diphenylhydrazine	<0.10	<0.10	<0.20	<0.10	0.10
Bis(2-ethylhexyl)phthalate	<0.20	<0.20	<0.40	<0.20	0.20
Fluoranthene	<0.10	<0.10	<0.20	<0.10	0.10
Fluorene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachlorobenzene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachlorobutadiene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachlorocyclopentadiene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachloroethane	<0.10	<0.10	<0.20	<0.10	0.10
Indeno (1,2,3-cd) pyrene	<0.40	<0.40	<0.80	<0.40	0.40
Isophorone	<0.10	<0.10	<0.20	<0.10	0.10
2-Methylnaphthalene	<0.10	<0.10	<0.20	<0.10	0.10
2-Methylphenol	<0.20	<0.20	<0.40	<0.20	0.20
3-Methylphenol	<0.20	<0.20	<0.40	<0.20	0.20
4-Methylphenol	<0.20	<0.20	<0.40	<0.20	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/09/18	07/10/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	2	1	MRL
8270C (EPA 8270C) (continued)					
Naphthalene	<0.10	<0.10	<0.20	<0.10	0.10
4-Nitroaniline	<0.50	<0.50	<1.0	<0.50	0.50
3-Nitroaniline	<0.40	<0.40	<0.80	<0.40	0.40
2-Nitroaniline	<0.10	<0.10	<0.20	<0.10	0.10
Nitrobenzene	<0.10	<0.10	<0.20	<0.10	0.10
2-Nitrophenol	<0.20	<0.20	<0.40	<0.20	0.20
4-Nitrophenol	<0.20	<0.20	<0.40	<0.20	0.20
N-Nitrosodimethylamine	<0.10	<0.10	<0.20	<0.10	0.10
N-Nitrosodiphenylamine	<0.10	<0.10	<0.20	<0.10	0.10
N-Nitrosodi-n-propylamine	<0.10	<0.10	<0.20	<0.10	0.10
Pentachlorophenol	<0.10	<0.10	<0.20	<0.10	0.10
Phenanthrene	<0.10	<0.10	<0.20	<0.10	0.10
Phenol	<0.10	<0.10	<0.20	<0.10	0.10
Pyrene	<0.10	<0.10	<0.20	<0.10	0.10
1,2,4-Trichlorobenzene	<0.10	<0.10	<0.20	<0.10	0.10
2,4,5-Trichlorophenol	<0.20	<0.20	<0.40	<0.20	0.20
2,4,6-Trichlorophenol	<0.20	<0.20	<0.40	<0.20	0.20
Surrogates					**%REC Limits**
2-Fluorobiphenyl	80%	77%	90%	68%	43-145
2-Fluorophenol	65%	63%	60%	49%	21-143
Nitrobenzene-d5	72%	65%	69%	55%	35-142
Phenol-d6	70%	66%	69%	52%	10-135
Terphenyl-dl4	69%	67%	75%	61%	33-148
2,4,6-Tribromophenol	69%	66%	64%	55%	10-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	2	2	1	1	MRL
8270C (EPA 8270C)					
3,3´-Dichlorobenzidine	<0.80	<0.80	<0.40	<0.40	0.40
Acenaphthene	<0.20	<0.20	<0.10	<0.10	0.10
Acenaphthylene	<0.20	<0.20	<0.10	<0.10	0.10
Aniline	<0.40	<0.40	<0.20	<0.20	0.20
Anthracene	<0.20	<0.20	<0.10	<0.10	0.10
Azobenzene	<0.20	<0.20	<0.10	<0.10	0.10
Benzidine	<0.80	<0.80	<0.40	<0.40	0.40
Benzo(a)anthracene	<0.20	<0.20	<0.10	<0.10	0.10
Benzo(a)pyrene	<0.20	<0.20	<0.10	<0.10	0.10
Benzo(b)fluoranthene	<0.20	<0.20	<0.10	<0.10	0.10
Benzo(g,h,i)perylene	<0.20	<0.20	<0.10	<0.10	0.10
Benzoic acid	<2.0	<2.0	<1.0	<1.0	1.0
Benzo(k)fluoranthene	<0.20	<0.20	<0.10	<0.10	0.10
Benzyl alcohol	<0.20	<0.20	<0.10	<0.10	0.10
4-Bromophenyl phenyl ether	<0.20	<0.20	<0.10	<0.10	0.10
Butyl benzyl phthalate	<1.0	<1.0	<0.50	<0.50	0.50
4-Chloro-3-methylphenol	<0.40	<0.40	<0.20	<0.20	0.20
4-Chloroaniline	<0.80	<0.80	<0.40	<0.40	0.40
Bis(2-chloroethoxy)methane	<0.20	<0.20	<0.10	<0.10	0.10
Bis(2-chloroethyl)ether	<0.20	<0.20	<0.10	<0.10	0.10
Bis(2-chloroisopropyl)ether	<0.20	<0.20	<0.10	<0.10	0.10
2-Chloronaphthalene	<0.20	<0.20	<0.10	<0.10	0.10
2-Chlorophenol	<0.20	<0.20	<0.10	<0.10	0.10
4-Chlorophenyl phenyl ether	<0.20	<0.20	<0.10	<0.10	0.10
Chrysene	<0.20	<0.20	<0.10	<0.10	0.10
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.10	<0.10	0.10
Dibenzofuran	<0.20	<0.20	<0.10	<0.10	0.10

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	2	2	1	1	MRL
8270C (EPA 8270C) (continued)					
Di-n-butyl phthalate	<4.0	<4.0	<2.0	<2.0	2.0
1,2-Dichlorobenzene	<0.20	<0.20	<0.10	<0.10	0.10
1,3-Dichlorobenzene	<0.20	<0.20	<0.10	<0.10	0.10
1,4-Dichlorobenzene	<0.20	<0.20	<0.10	<0.10	0.10
2,4-Dichlorophenol	<0.20	<0.20	<0.10	<0.10	0.10
Diethyl phthalate	<1.6	<1.6	<0.80	<0.80	0.80
2,4-Dimethylphenol	<0.20	<0.20	<0.10	<0.10	0.10
Dimethyl phthalate	<0.40	<0.40	<0.20	<0.20	0.20
4,6-Dinitro-2-methylphenol	<0.40	<0.40	<0.20	<0.20	0.20
2,4-Dinitrophenol	<0.80	<0.80	<0.40	<0.40	0.40
2,6-Dinitrotoluene	<0.20	<0.20	<0.10	<0.10	0.10
2,4-Dinitrotoluene	<0.20	<0.20	<0.10	<0.10	0.10
Di-n-octyl phthalate	<0.20	<0.20	<0.10	<0.10	0.10
1,2-Diphenylhydrazine	<0.20	<0.20	<0.10	<0.10	0.10
Bis(2-ethylhexyl)phthalate	<0.40	<0.40	<0.20	<0.20	0.20
Fluoranthene	<0.20	<0.20	<0.10	<0.10	0.10
Fluorene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachlorobenzene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachlorobutadiene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachlorocyclopentadiene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachloroethane	<0.20	<0.20	<0.10	<0.10	0.10
Indeno (1,2,3-cd) pyrene	<0.80	<0.80	<0.40	<0.40	0.40
Isophorone	<0.20	<0.20	<0.10	<0.10	0.10
2-Methylnaphthalene	<0.20	<0.20	<0.10	<0.10	0.10
2-Methylphenol	<0.40	<0.40	<0.20	<0.20	0.20
3-Methylphenol	<0.40	<0.40	<0.20	<0.20	0.20
4-Methylphenol	<0.40	<0.40	<0.20	<0.20	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Semivolatile Organics by GC/MS

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/10/18	07/10/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	2	2	1	1	MRL
8270C (EPA 8270C) (continued)					
Naphthalene	<0.20	<0.20	<0.10	<0.10	0.10
4-Nitroaniline	<1.0	<1.0	<0.50	<0.50	0.50
3-Nitroaniline	<0.80	<0.80	<0.40	<0.40	0.40
2-Nitroaniline	<0.20	<0.20	<0.10	<0.10	0.10
Nitrobenzene	<0.20	<0.20	<0.10	<0.10	0.10
2-Nitrophenol	<0.40	<0.40	<0.20	<0.20	0.20
4-Nitrophenol	<0.40	<0.40	<0.20	<0.20	0.20
N-Nitrosodimethylamine	<0.20	<0.20	<0.10	<0.10	0.10
N-Nitrosodiphenylamine	<0.20	<0.20	<0.10	<0.10	0.10
N-Nitrosodi-n-propylamine	<0.20	<0.20	<0.10	<0.10	0.10
Pentachlorophenol	<0.20	<0.20	<0.10	<0.10	0.10
Phenanthrene	<0.20	<0.20	<0.10	<0.10	0.10
Phenol	<0.20	<0.20	<0.10	<0.10	0.10
Pyrene	<0.20	<0.20	<0.10	<0.10	0.10
1,2,4-Trichlorobenzene	<0.20	<0.20	<0.10	<0.10	0.10
2,4,5-Trichlorophenol	<0.40	<0.40	<0.20	<0.20	0.20
2,4,6-Trichlorophenol	<0.40	<0.40	<0.20	<0.20	0.20
Surrogates					**%REC Limits**
2-Fluorobiphenyl	24% [5]	90%	80%	73%	43-145
2-Fluorophenol	15% [5]	55%	59%	56%	21-143
Nitrobenzene-d5	14% [5]	67%	64%	54%	35-142
Phenol-d6	17%	69%	63%	60%	10-135
Terphenyl-dl4	23% [5]	75%	73%	61%	33-148
2,4,6-Tribromophenol	11%	15%	67%	55%	10-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	Polychlorinated Biphenyls by GC	**Units:**	ug/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/10/18	07/10/18	07/10/18	07/10/18	
Date Analyzed:	07/10/18	07/10/18	07/10/18	07/10/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8082 PCBs (EPA 8082)					
Aroclor-1016	<20	<20	<20	<20	20
Aroclor-1221	<20	<20	<20	<20	20
Aroclor-1232	<20	<20	<20	<20	20
Aroclor-1242	<20	<20	<20	<20	20
Aroclor-1248	<20	<20	<20	<20	20
Aroclor-1254	<20	<20	<20	<20	20
Aroclor-1260	<20	<20	<20	<20	20
Surrogates					**%REC Limits**
Decachlorobiphenyl	88%	91%	98%	84%	50-150
Tetrachloro-meta-xylene	84%	75%	86%	70%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035)					
Acetone	<0.050	**0.050**	<0.050	<0.050	0.050
tert-Amyl Methyl Ether (TAME)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Benzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Bromobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromodichloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromoform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Butanone (MEK)	<0.050	<0.050	<0.050	<0.050	0.050
tert-Butyl alcohol (TBA)	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
tert-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
n-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Disulfide	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Tetrachloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromo-3-chloropropane	<0.010	<0.010	<0.010	<0.010	0.010
Dibromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromoethane (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dibromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,4-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	VOCs, OXY & TPHG by GC/MS EPA 5035	**Units:**	mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dichlorodifluoromethane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloroethane (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Diisopropyl ether (DIPE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Ethylbenzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Ethyl-tert-Butyl Ether (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Gasoline Range Organics (GRO)	**1.0**	<0.50	<0.50	<0.50	0.50
Hexachlorobutadiene	<0.010	<0.010	<0.010	<0.010	0.010
2-Hexanone (MBK)	<0.050	<0.050	<0.050	<0.050	0.050
Isopropylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Isopropyltoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methyl-tert-Butyl Ether (MTBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methylene Chloride	<0.050	<0.050	<0.050	<0.050	0.050
4-Methyl-2-pentanone (MIBK)	<0.050	<0.050	<0.050	<0.050	0.050
Naphthalene	<0.010	<0.010	<0.010	<0.010	0.010
n-Propylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	VOCs, OXY & TPHG by GC/MS EPA 5035	**Units:**	mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
Styrene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Tetrachloroethylene (PCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Toluene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
1,2,4-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichloroethylene (TCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichlorofluoromethane (R11)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3,5-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,4-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Vinyl chloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
o-Xylene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
m,p-Xylenes	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Surrogates					**%REC Limits**
4-Bromofluorobenzene	110%	118%	108%	112%	70-140
Dibromofluoromethane	111%	111%	113%	119%	70-140
Toluene-d8	101%	102%	99%	101%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035)					
Acetone	<0.050	<0.050	<0.050	<0.050	0.050
tert-Amyl Methyl Ether (TAME)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Benzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Bromobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromodichloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromoform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Butanone (MEK)	<0.050	<0.050	<0.050	<0.050	0.050
tert-Butyl alcohol (TBA)	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
tert-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
n-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Disulfide	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Tetrachloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromo-3-chloropropane	<0.010	<0.010	<0.010	<0.010	0.010
Dibromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromoethane (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dibromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,4-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dichlorodifluoromethane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloroethane (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Diisopropyl ether (DIPE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Ethylbenzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Ethyl-tert-Butyl Ether (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
Hexachlorobutadiene	<0.010	<0.010	<0.010	<0.010	0.010
2-Hexanone (MBK)	<0.050	<0.050	<0.050	<0.050	0.050
Isopropylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Isopropyltoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methyl-tert-Butyl Ether (MTBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methylene Chloride	<0.050	<0.050	<0.050	<0.050	0.050
4-Methyl-2-pentanone (MIBK)	<0.050	<0.050	<0.050	<0.050	0.050
Naphthalene	<0.010	<0.010	<0.010	<0.010	0.010
n-Propylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
Styrene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Tetrachloroethylene (PCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Toluene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
1,2,4-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichloroethylene (TCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichlorofluoromethane (R11)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3,5-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,4-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Vinyl chloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
o-Xylene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
m,p-Xylenes	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Surrogates					**%REC Limits**
4-Bromofluorobenzene	112%	116%	110%	119%	70-140
Dibromofluoromethane	116%	122%	124%	125%	70-140
Toluene-d8	100%	100%	98%	104%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/10/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035)					
Acetone	<0.050	<0.050	<0.050	<0.050	0.050
tert-Amyl Methyl Ether (TAME)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Benzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Bromobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromodichloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromoform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Bromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Butanone (MEK)	<0.050	<0.050	<0.050	<0.050	0.050
tert-Butyl alcohol (TBA)	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
tert-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
n-Butylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Disulfide	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Carbon Tetrachloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloroform	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Chloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromo-3-chloropropane	<0.010	<0.010	<0.010	<0.010	0.010
Dibromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dibromoethane (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dibromomethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,4-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/10/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
1,2-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Dichlorodifluoromethane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloroethane (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,2-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloroethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
2,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
trans-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
cis-1,3-Dichloropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Diisopropyl ether (DIPE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Ethylbenzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Ethyl-tert-Butyl Ether (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
Hexachlorobutadiene	<0.010	<0.010	<0.010	<0.010	0.010
2-Hexanone (MBK)	<0.050	<0.050	<0.050	<0.050	0.050
Isopropylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
4-Isopropyltoluene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methyl-tert-Butyl Ether (MTBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Methylene Chloride	<0.050	<0.050	<0.050	<0.050	0.050
4-Methyl-2-pentanone (MIBK)	<0.050	<0.050	<0.050	<0.050	0.050
Naphthalene	<0.010	<0.010	<0.010	<0.010	0.010
n-Propylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: VOCs, OXY & TPHG by GC/MS EPA 5035

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/10/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B/5035 +OXY+TPHG (EPA 8260B/5035) (continued)					
Styrene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2,2-Tetrachloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Tetrachloroethylene (PCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Toluene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
1,2,4-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1-Trichloroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichloroethylene (TCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichlorofluoromethane (R11)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,3,5-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,4-Trimethylbenzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Vinyl chloride	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
o-Xylene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
m,p-Xylenes	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Surrogates					**%REC Limits**
4-Bromofluorobenzene	111%	124%	120%	119%	70-140
Dibromofluoromethane	112%	131%	139%	122%	70-140
Toluene-d8	98%	102%	101%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	Carbon Chain by GC/FID	**Units:**	mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	65%	69%	71%	70%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Carbon Chain by GC/FID

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	67%	108%	103%	102%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Carbon Chain by GC/FID

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	**2.8**	<1.0	<1.0	<1.0	1.0
C20-C22	**11**	<1.0	<1.0	<1.0	1.0
C22-C24	**8.0**	<1.0	<1.0	<1.0	1.0
C24-C26	**33**	<1.0	<1.0	<1.0	1.0
C26-C28	**36**	**1.4**	<1.0	<1.0	1.0
C28-C32	**77**	**5.2**	<1.0	<1.0	1.0
C32-C34	**32**	**2.5**	<1.0	<1.0	1.0
C34-C36	**14**	**3.0**	<1.0	<1.0	1.0
C36-C40	**25**	**4.7**	**2.4**	**1.1**	1.0
C40-C44	**18**	**8.7**	**5.6**	**1.3**	1.0
TPH (C6-C44)	**260**	**26**	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	112%	115%	115%	103%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/10/18	07/10/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**1.2**	**4.5**	**3.1**	**2.2**	0.50
Barium	**93**	**120**	**110**	**95**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**56**	**13**	**15**	**12**	3.0
Cobalt	**6.4**	**7.8**	**5.6**	**7.2**	3.0
Copper	<3.0	**22**	**3.4**	**7.0**	3.0
Lead	<3.0	**4.5**	<3.0	<3.0	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**6.4**	**13**	**7.5**	**8.8**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**31**	**30**	**25**	**27**	10
Zinc	**31**	**29**	**25**	**29**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/10/18	07/10/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**3.4**	**2.3**	**0.99**	**2.7**	0.50
Barium	**110**	**69**	**82**	**130**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**14**	**9.4**	**23**	**23**	3.0
Cobalt	**6.3**	**5.0**	**5.2**	**6.7**	3.0
Copper	**12**	**3.2**	<3.0	**7.0**	3.0
Lead	**3.1**	**5.5**	<3.0	<3.0	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**8.7**	**5.8**	**9.8**	**13**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**25**	**27**	**23**	**28**	10
Zinc	**33**	**21**	**29**	**27**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Total Metals CAM 17

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/10/18	07/10/18	07/10/18	07/10/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**2.9**	**2.4**	**1.6**	**3.4**	0.50
Barium	**83**	**120**	**80**	**110**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**15**	**22**	**13**	**22**	3.0
Cobalt	**6.5**	**6.8**	**6.3**	**7.7**	3.0
Copper	**3.7**	**4.6**	**5.4**	**10**	3.0
Lead	**7.7**	**4.1**	**3.4**	**4.2**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**10**	**8.6**	**8.0**	**15**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**30**	**29**	**28**	**30**	10
Zinc	**37**	**28**	**25**	**27**	3.0

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Total Metals CAM 17

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-01	8G06009-02	8G06009-03	8G06009-04	
Client ID No:	CSB3-6	CSB3-15	CSB4-10	CSB4-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.044**	**0.042**	**0.058**	**0.094**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II
Method: Total Metals CAM 17

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18
Units: mg/kg

Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-05	8G06009-06	8G06009-07	8G06009-08	
Client ID No:	CSB2-5	CSB2-15	CSB5-5	CSB5-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.044**	**0.070**	**0.026**	**0.084**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
Date Prepared:	07/09/18	07/09/18	07/09/18	07/09/18	
Date Analyzed:	07/09/18	07/09/18	07/09/18	07/09/18	
AA ID No:	8G06009-09	8G06009-10	8G06009-11	8G06009-12	
Client ID No:	CSB6-6	CSB6-15	CSB1-8	CSB1-15	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.042**	**0.036**	**0.030**	**0.072**	0.020

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
Blank (B8G0925-BLK1)				Prepared & Analyzed: 07/09/18						
3,3´-Dichlorobenzidine	<0.40	0.40	mg/kg							
Acenaphthene	<0.10	0.10	mg/kg							
Acenaphthylene	<0.10	0.10	mg/kg							
Aniline	<0.20	0.20	mg/kg							
Anthracene	<0.10	0.10	mg/kg							
Azobenzene	<0.10	0.10	mg/kg							
Benzidine	<0.40	0.40	mg/kg							
Benzo(a)anthracene	<0.10	0.10	mg/kg							
Benzo(a)pyrene	<0.10	0.10	mg/kg							
Benzo(b)fluoranthene	<0.10	0.10	mg/kg							
Benzo(g,h,i)perylene	<0.10	0.10	mg/kg							
Benzoic acid	<1.0	1.0	mg/kg							
Benzo(k)fluoranthene	<0.10	0.10	mg/kg							
Benzyl alcohol	<0.10	0.10	mg/kg							
4-Bromophenyl phenyl ether	<0.10	0.10	mg/kg							
Butyl benzyl phthalate	<0.50	0.50	mg/kg							
4-Chloro-3-methylphenol	<0.20	0.20	mg/kg							
4-Chloroaniline	<0.40	0.40	mg/kg							
Bis(2-chloroethoxy)methane	<0.10	0.10	mg/kg							
Bis(2-chloroethyl)ether	<0.10	0.10	mg/kg							
Bis(2-chloroisopropyl)ether	<0.10	0.10	mg/kg							
2-Chloronaphthalene	<0.10	0.10	mg/kg							
2-Chlorophenol	<0.10	0.10	mg/kg							
4-Chlorophenyl phenyl ether	<0.10	0.10	mg/kg							
Chrysene	<0.10	0.10	mg/kg							
Dibenzo(a,h)anthracene	<0.10	0.10	mg/kg							
Dibenzofuran	<0.10	0.10	mg/kg							
Di-n-butyl phthalate	<2.0	2.0	mg/kg							
1,2-Dichlorobenzene	<0.10	0.10	mg/kg							
1,3-Dichlorobenzene	<0.10	0.10	mg/kg							
1,4-Dichlorobenzene	<0.10	0.10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
Blank (B8G0925-BLK1) Continued				Prepared & Analyzed: 07/09/18						
2,4-Dichlorophenol	<0.10	0.10	mg/kg							
Diethyl phthalate	<0.80	0.80	mg/kg							
2,4-Dimethylphenol	<0.10	0.10	mg/kg							
Dimethyl phthalate	<0.20	0.20	mg/kg							
4,6-Dinitro-2-methylphenol	<0.20	0.20	mg/kg							
2,4-Dinitrophenol	<0.40	0.40	mg/kg							
2,6-Dinitrotoluene	<0.10	0.10	mg/kg							
2,4-Dinitrotoluene	<0.10	0.10	mg/kg							
Di-n-octyl phthalate	<0.10	0.10	mg/kg							
1,2-Diphenylhydrazine	<0.10	0.10	mg/kg							
Bis(2-ethylhexyl)phthalate	<0.20	0.20	mg/kg							
Fluoranthene	<0.10	0.10	mg/kg							
Fluorene	<0.10	0.10	mg/kg							
Hexachlorobenzene	<0.10	0.10	mg/kg							
Hexachlorobutadiene	<0.10	0.10	mg/kg							
Hexachlorocyclopentadiene	<0.10	0.10	mg/kg							
Hexachloroethane	<0.10	0.10	mg/kg							
Indeno (1,2,3-cd) pyrene	<0.40	0.40	mg/kg							
Isophorone	<0.10	0.10	mg/kg							
2-Methylnaphthalene	<0.10	0.10	mg/kg							
2-Methylphenol	<0.20	0.20	mg/kg							
3-Methylphenol	<0.20	0.20	mg/kg							
4-Methylphenol	<0.20	0.20	mg/kg							
Naphthalene	<0.10	0.10	mg/kg							
4-Nitroaniline	<0.50	0.50	mg/kg							
3-Nitroaniline	<0.40	0.40	mg/kg							
2-Nitroaniline	<0.10	0.10	mg/kg							
Nitrobenzene	<0.10	0.10	mg/kg							
2-Nitrophenol	<0.20	0.20	mg/kg							
4-Nitrophenol	<0.20	0.20	mg/kg							
N-Nitrosodimethylamine	<0.10	0.10	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
Blank (B8G0925-BLK1) Continued				Prepared & Analyzed: 07/09/18						
N-Nitrosodiphenylamine	<0.10	0.10	mg/kg							
N-Nitrosodi-n-propylamine	<0.10	0.10	mg/kg							
Pentachlorophenol	<0.10	0.10	mg/kg							
Phenanthrene	<0.10	0.10	mg/kg							
Phenol	<0.10	0.10	mg/kg							
Pyrene	<0.10	0.10	mg/kg							
1,2,4-Trichlorobenzene	<0.10	0.10	mg/kg							
2,4,5-Trichlorophenol	<0.20	0.20	mg/kg							
2,4,6-Trichlorophenol	<0.20	0.20	mg/kg							
Surrogate: 2-Fluorobiphenyl	*0.479*		*mg/kg*	*0.50*		*95.7*	*43-145*			
Surrogate: 2-Fluorophenol	*0.736*		*mg/kg*	*1.0*		*73.6*	*21-143*			
Surrogate: Nitrobenzene-d5	*0.401*		*mg/kg*	*0.50*		*80.1*	*35-142*			
Surrogate: Phenol-d6	*0.797*		*mg/kg*	*1.0*		*79.7*	*10-135*			
Surrogate: Terphenyl-dl4	*0.385*		*mg/kg*	*0.50*		*77.0*	*33-148*			
Surrogate: 2,4,6-Tribromophenol	*0.739*		*mg/kg*	*1.0*		*73.9*	*10-150*			
LCS (B8G0925-BS1)				Prepared & Analyzed: 07/09/18						
Acenaphthene	**0.467**	0.10	mg/kg	0.60		77.8	50-121			
Acenaphthylene	**0.410**	0.10	mg/kg	0.60		68.3	50-120			
Anthracene	**0.456**	0.10	mg/kg	0.60		76.0	41-121			
Benzo(a)anthracene	**0.481**	0.10	mg/kg	0.60		80.1	57-120			
Benzo(a)pyrene	**0.511**	0.10	mg/kg	0.60		85.1	17-163			
Benzo(b)fluoranthene	**0.426**	0.10	mg/kg	0.60		71.0	25-137			
Benzo(g,h,i)perylene	**0.923**	0.10	mg/kg	0.60		154	52-125			**
Benzo(k)fluoranthene	**0.444**	0.10	mg/kg	0.60		73.9	61-122			
Butyl benzyl phthalate	**0.399**	0.50	mg/kg	0.60		66.6	19-139			
4-Chloro-3-methylphenol	**0.517**	0.20	mg/kg	0.60		86.2	22-147			
Bis(2-chloroethyl)ether	**0.415**	0.10	mg/kg	0.60		69.1	26-122			
2-Chloronaphthalene	**0.468**	0.10	mg/kg	0.60		78.0	60-118			
4-Chlorophenyl phenyl ether	**0.455**	0.10	mg/kg	0.60		75.8	41-128			
Chrysene	**0.480**	0.10	mg/kg	0.60		80.0	64-116			
Dibenzo(a,h)anthracene	**0.832**	0.10	mg/kg	0.60		139	33-136			**

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
LCS (B8G0925-BS1) Continued				Prepared & Analyzed: 07/09/18						
Dibenzofuran	**0.447**	0.10	mg/kg	0.60		74.4	50-106			
1,4-Dichlorobenzene	**0.445**	0.10	mg/kg	0.60		74.1	26-105			
2,4-Dichlorophenol	**0.482**	0.10	mg/kg	0.60		80.3	39-135			
Di-n-octyl phthalate	**0.518**	0.10	mg/kg	0.60		86.3	4-146			
Bis(2-ethylhexyl)phthalate	**0.434**	0.20	mg/kg	0.60		72.3	30-210			
Fluoranthene	**0.462**	0.10	mg/kg	0.60		77.1	35-125			
Fluorene	**0.450**	0.10	mg/kg	0.60		75.0	50-120			
Hexachlorobenzene	**0.487**	0.10	mg/kg	0.60		81.1	2-152			
Hexachlorobutadiene	**0.480**	0.10	mg/kg	0.60		80.0	24-116			
Hexachloroethane	**0.455**	0.10	mg/kg	0.60		75.8	40-113			
Indeno (1,2,3-cd) pyrene	**1.28**	0.40	mg/kg	0.60		213	46-133			**
Isophorone	**0.470**	0.10	mg/kg	0.60		78.4	21-196			
2-Methylnaphthalene	**0.440**	0.10	mg/kg	0.60		73.4	44-105			
Naphthalene	**0.480**	0.10	mg/kg	0.60		79.9	25-121			
Nitrobenzene	**0.489**	0.10	mg/kg	0.60		81.5	38-133			
2-Nitrophenol	**0.494**	0.20	mg/kg	0.60		82.3	2-163			
N-Nitrosodi-n-propylamine	**0.440**	0.10	mg/kg	0.60		73.3	2-230			
Pentachlorophenol	**0.425**	0.10	mg/kg	0.60		70.8	14-176			
Phenanthrene	**0.456**	0.10	mg/kg	0.60		76.0	58-106			
Phenol	**0.415**	0.10	mg/kg	0.60		69.1	5-112			
Pyrene	**0.401**	0.10	mg/kg	0.60		66.9	52-115			
1,2,4-Trichlorobenzene	**0.487**	0.10	mg/kg	0.60		81.2	44-142			
2,4,6-Trichlorophenol	**0.455**	0.20	mg/kg	0.60		75.8	37-144			
Surrogate: 2-Fluorobiphenyl	*0.476*		*mg/kg*	*0.50*		*95.2*	*43-145*			
Surrogate: 2-Fluorophenol	*0.779*		*mg/kg*	*1.0*		*77.9*	*21-143*			
Surrogate: Nitrobenzene-d5	*0.451*		*mg/kg*	*0.50*		*90.2*	*35-142*			
Surrogate: Phenol-d6	*0.771*		*mg/kg*	*1.0*		*77.1*	*10-135*			
Surrogate: Terphenyl-dl4	*0.434*		*mg/kg*	*0.50*		*86.8*	*33-148*			
Surrogate: 2,4,6-Tribromophenol	*0.861*		*mg/kg*	*1.0*		*86.1*	*10-150*			
LCS Dup (B8G0925-BSD1)				Prepared & Analyzed: 07/09/18						
Acenaphthene	**0.439**	0.10	mg/kg	0.60		73.1	50-121	6.18	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
LCS Dup (B8G0925-BSD1) Continued				Prepared & Analyzed: 07/09/18						
Acenaphthylene	**0.388**	0.10	mg/kg	0.60		64.7	50-120	5.51	40	
Anthracene	**0.422**	0.10	mg/kg	0.60		70.3	41-121	7.79	40	
Benzo(a)anthracene	**0.440**	0.10	mg/kg	0.60		73.3	57-120	8.95	40	
Benzo(a)pyrene	**0.491**	0.10	mg/kg	0.60		81.8	17-163	3.91	40	
Benzo(b)fluoranthene	**0.432**	0.10	mg/kg	0.60		72.0	25-137	1.35	40	
Benzo(g,h,i)perylene	**0.787**	0.10	mg/kg	0.60		131	52-125	15.9	40	**
Benzo(k)fluoranthene	**0.413**	0.10	mg/kg	0.60		68.8	61-122	7.24	40	
Butyl benzyl phthalate	**0.382**	0.50	mg/kg	0.60		63.7	19-139	4.45	40	
4-Chloro-3-methylphenol	**0.437**	0.20	mg/kg	0.60		72.9	22-147	16.7	40	
Bis(2-chloroethyl)ether	**0.385**	0.10	mg/kg	0.60		64.2	26-122	7.45	40	
2-Chloronaphthalene	**0.438**	0.10	mg/kg	0.60		73.1	60-118	6.53	40	
4-Chlorophenyl phenyl ether	**0.420**	0.10	mg/kg	0.60		70.1	41-128	7.86	40	
Chrysene	**0.440**	0.10	mg/kg	0.60		73.4	64-116	8.61	40	
Dibenzo(a,h)anthracene	**0.751**	0.10	mg/kg	0.60		125	33-136	10.3	40	
Dibenzofuran	**0.430**	0.10	mg/kg	0.60		71.6	50-106	3.88	40	
1,4-Dichlorobenzene	**0.421**	0.10	mg/kg	0.60		70.1	26-105	5.59	40	
2,4-Dichlorophenol	**0.426**	0.10	mg/kg	0.60		71.0	39-135	12.3	40	
Di-n-octyl phthalate	**0.481**	0.10	mg/kg	0.60		80.1	4-146	7.41	40	
Bis(2-ethylhexyl)phthalate	**0.409**	0.20	mg/kg	0.60		68.2	30-210	5.88	40	
Fluoranthene	**0.416**	0.10	mg/kg	0.60		69.4	35-125	10.5	40	
Fluorene	**0.426**	0.10	mg/kg	0.60		71.1	50-120	5.34	40	
Hexachlorobenzene	**0.419**	0.10	mg/kg	0.60		69.8	2-152	15.0	40	
Hexachlorobutadiene	**0.431**	0.10	mg/kg	0.60		71.8	24-116	10.9	40	
Hexachloroethane	**0.432**	0.10	mg/kg	0.60		72.0	40-113	5.23	40	
Indeno (1,2,3-cd) pyrene	**1.09**	0.40	mg/kg	0.60		181	46-133	16.3	40	**
Isophorone	**0.413**	0.10	mg/kg	0.60		68.9	21-196	12.9	40	
2-Methylnaphthalene	**0.394**	0.10	mg/kg	0.60		65.7	44-105	11.1	40	
Naphthalene	**0.425**	0.10	mg/kg	0.60		70.8	25-121	12.2	40	
Nitrobenzene	**0.435**	0.10	mg/kg	0.60		72.6	38-133	11.6	40	
2-Nitrophenol	**0.424**	0.20	mg/kg	0.60		70.6	2-163	15.2	40	
N-Nitrosodi-n-propylamine	**0.394**	0.10	mg/kg	0.60		65.7	2-230	11.0	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS - Quality Control										
Batch B8G0925 - EPA 3545 MS										
LCS Dup (B8G0925-BSD1) Continued				Prepared & Analyzed: 07/09/18						
Pentachlorophenol	**0.337**	0.10	mg/kg	0.60		56.2	14-176	23.0	40	
Phenanthrene	**0.414**	0.10	mg/kg	0.60		69.0	58-106	9.70	40	
Phenol	**0.401**	0.10	mg/kg	0.60		66.8	5-112	3.33	40	
Pyrene	**0.382**	0.10	mg/kg	0.60		63.6	52-115	5.06	40	
1,2,4-Trichlorobenzene	**0.406**	0.10	mg/kg	0.60		67.7	44-142	18.1	40	
2,4,6-Trichlorophenol	**0.407**	0.20	mg/kg	0.60		67.9	37-144	11.1	40	
Surrogate: 2-Fluorobiphenyl	*0.482*		*mg/kg*	*0.50*		*96.5*	*43-145*			
Surrogate: 2-Fluorophenol	*0.780*		*mg/kg*	*1.0*		*78.0*	*21-143*			
Surrogate: Nitrobenzene-d5	*0.434*		*mg/kg*	*0.50*		*86.7*	*35-142*			
Surrogate: Phenol-d6	*0.770*		*mg/kg*	*1.0*		*77.0*	*10-135*			
Surrogate: Terphenyl-dl4	*0.444*		*mg/kg*	*0.50*		*88.8*	*33-148*			
Surrogate: 2,4,6-Tribromophenol	*0.862*		*mg/kg*	*1.0*		*86.2*	*10-150*			
Polychlorinated Biphenyls by GC - Quality Control										
Batch B8G1027 - EPA 3550B										
Blank (B8G1027-BLK1)				Prepared & Analyzed: 07/10/18						
Aroclor-1016	<20	20	ug/kg							
Aroclor-1221	<20	20	ug/kg							
Aroclor-1232	<20	20	ug/kg							
Aroclor-1242	<20	20	ug/kg							
Aroclor-1248	<20	20	ug/kg							
Aroclor-1254	<20	20	ug/kg							
Aroclor-1260	<20	20	ug/kg							
Surrogate: Decachlorobiphenyl	*4.77*		*ug/kg*	*5.0*		*95.4*	*50-150*			
Surrogate: Tetrachloro-meta-xylene	*4.33*		*ug/kg*	*5.0*		*86.6*	*50-150*			
LCS (B8G1027-BS1)				Prepared & Analyzed: 07/10/18						
Aroclor-1016	**60.5**	20	ug/kg	50		121	60-140			
Aroclor-1260	**62.7**	20	ug/kg	50		125	60-140			
Surrogate: Decachlorobiphenyl	*4.91*		*ug/kg*	*5.0*		*98.1*	*50-150*			
Surrogate: Tetrachloro-meta-xylene	*4.15*		*ug/kg*	*5.0*		*83.1*	*50-150*			
LCS Dup (B8G1027-BSD1)				Prepared & Analyzed: 07/10/18						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Polychlorinated Biphenyls by GC - Quality Control										
Batch B8G1027 - EPA 3550B										
LCS Dup (B8G1027-BSD1) Continued				Prepared & Analyzed: 07/10/18						
Aroclor-1016	**63.1**	20	ug/kg	50		126	60-140	4.27	40	
Aroclor-1260	**61.3**	20	ug/kg	50		123	60-140	2.16	40	
Surrogate: Decachlorobiphenyl	*4.77*		*ug/kg*	*5.0*		*95.5*	*50-150*			
Surrogate: Tetrachloro-meta-xylene	*4.27*		*ug/kg*	*5.0*		*85.3*	*50-150*			
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
Blank (B8G0921-BLK1)				Prepared & Analyzed: 07/09/18						
Acetone	<0.050	0.050	mg/kg							
tert-Amyl Methyl Ether (TAME)	<0.0050	0.0050	mg/kg							
Benzene	<0.0020	0.0020	mg/kg							
Bromobenzene	<0.0050	0.0050	mg/kg							
Bromochloromethane	<0.0050	0.0050	mg/kg							
Bromodichloromethane	<0.0050	0.0050	mg/kg							
Bromoform	<0.0050	0.0050	mg/kg							
Bromomethane	<0.0050	0.0050	mg/kg							
2-Butanone (MEK)	<0.050	0.050	mg/kg							
tert-Butyl alcohol (TBA)	<0.020	0.020	mg/kg							
sec-Butylbenzene	<0.0050	0.0050	mg/kg							
tert-Butylbenzene	<0.0050	0.0050	mg/kg							
n-Butylbenzene	<0.0050	0.0050	mg/kg							
Carbon Disulfide	<0.0050	0.0050	mg/kg							
Carbon Tetrachloride	<0.0050	0.0050	mg/kg							
Chlorobenzene	<0.0050	0.0050	mg/kg							
Chloroethane	<0.0050	0.0050	mg/kg							
Chloroform	<0.0050	0.0050	mg/kg							
Chloromethane	<0.0050	0.0050	mg/kg							
2-Chlorotoluene	<0.0050	0.0050	mg/kg							
4-Chlorotoluene	<0.0050	0.0050	mg/kg							
1,2-Dibromo-3-chloropropane	<0.010	0.010	mg/kg							
Dibromochloromethane	<0.0050	0.0050	mg/kg							
1,2-Dibromoethane (EDB)	<0.0050	0.0050	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
Blank (B8G0921-BLK1) Continued				Prepared & Analyzed: 07/09/18						
Dibromomethane	<0.0050	0.0050	mg/kg							
1,4-Dichlorobenzene	<0.0050	0.0050	mg/kg							
1,3-Dichlorobenzene	<0.0050	0.0050	mg/kg							
1,2-Dichlorobenzene	<0.0050	0.0050	mg/kg							
Dichlorodifluoromethane (R12)	<0.0050	0.0050	mg/kg							
1,1-Dichloroethane	<0.0050	0.0050	mg/kg							
1,2-Dichloroethane (EDC)	<0.0050	0.0050	mg/kg							
trans-1,2-Dichloroethylene	<0.0050	0.0050	mg/kg							
cis-1,2-Dichloroethylene	<0.0050	0.0050	mg/kg							
1,1-Dichloroethylene	<0.0050	0.0050	mg/kg							
2,2-Dichloropropane	<0.0050	0.0050	mg/kg							
1,3-Dichloropropane	<0.0050	0.0050	mg/kg							
1,2-Dichloropropane	<0.0050	0.0050	mg/kg							
trans-1,3-Dichloropropylene	<0.0050	0.0050	mg/kg							
1,1-Dichloropropylene	<0.0050	0.0050	mg/kg							
cis-1,3-Dichloropropylene	<0.0050	0.0050	mg/kg							
Diisopropyl ether (DIPE)	<0.0050	0.0050	mg/kg							
Ethylbenzene	<0.0020	0.0020	mg/kg							
Ethyl-tert-Butyl Ether (ETBE)	<0.0050	0.0050	mg/kg							
Gasoline Range Organics (GRO)	<0.50	0.50	mg/kg							
Hexachlorobutadiene	<0.010	0.010	mg/kg							
2-Hexanone (MBK)	<0.050	0.050	mg/kg							
Isopropylbenzene	<0.0050	0.0050	mg/kg							
4-Isopropyltoluene	<0.0050	0.0050	mg/kg							
Methyl-tert-Butyl Ether (MTBE)	<0.0050	0.0050	mg/kg							
Methylene Chloride	<0.050	0.050	mg/kg							
4-Methyl-2-pentanone (MIBK)	<0.050	0.050	mg/kg							
Naphthalene	<0.010	0.010	mg/kg							
n-Propylbenzene	<0.0050	0.0050	mg/kg							
Styrene	<0.0050	0.0050	mg/kg							
1,1,1,2-Tetrachloroethane	<0.0050	0.0050	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
Blank (B8G0921-BLK1) Continued				Prepared & Analyzed: 07/09/18						
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	mg/kg							
Tetrachloroethylene (PCE)	<0.0050	0.0050	mg/kg							
Toluene	<0.0020	0.0020	mg/kg							
1,2,4-Trichlorobenzene	<0.0050	0.0050	mg/kg							
1,2,3-Trichlorobenzene	<0.0050	0.0050	mg/kg							
1,1,2-Trichloroethane	<0.0050	0.0050	mg/kg							
1,1,1-Trichloroethane	<0.0050	0.0050	mg/kg							
Trichloroethylene (TCE)	<0.0050	0.0050	mg/kg							
Trichlorofluoromethane (R11)	<0.0050	0.0050	mg/kg							
1,2,3-Trichloropropane	<0.0050	0.0050	mg/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.0050	0.0050	mg/kg							
1,3,5-Trimethylbenzene	<0.0050	0.0050	mg/kg							
1,2,4-Trimethylbenzene	<0.0050	0.0050	mg/kg							
Vinyl chloride	<0.0050	0.0050	mg/kg							
o-Xylene	<0.0020	0.0020	mg/kg							
m,p-Xylenes	<0.0020	0.0020	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.108*		*mg/kg*	*0.10*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*0.0998*		*mg/kg*	*0.10*		*99.8*	*70-140*			
Surrogate: Toluene-d8	*0.0991*		*mg/kg*	*0.10*		*99.1*	*70-140*			
LCS (B8G0921-BS1)				Prepared & Analyzed: 07/09/18						
Acetone	**0.0312**	0.050	mg/kg	0.040		78.0	70-130			
tert-Amyl Methyl Ether (TAME)	**0.0380**	0.0050	mg/kg	0.040		94.9	70-130			
Benzene	**0.0396**	0.0020	mg/kg	0.040		99.0	75-125			
Bromobenzene	**0.0426**	0.0050	mg/kg	0.040		106	70-130			
Bromochloromethane	**0.0419**	0.0050	mg/kg	0.040		105	70-130			
Bromodichloromethane	**0.0411**	0.0050	mg/kg	0.040		103	75-125			
Bromoform	**0.0405**	0.0050	mg/kg	0.040		101	75-125			
Bromomethane	**0.0412**	0.0050	mg/kg	0.040		103	75-125			
2-Butanone (MEK)	**0.0377**	0.050	mg/kg	0.040		94.4	70-130			
tert-Butyl alcohol (TBA)	**0.175**	0.020	mg/kg	0.20		87.3	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
LCS (B8G0921-BS1) Continued				Prepared & Analyzed: 07/09/18						
sec-Butylbenzene	**0.0437**	0.0050	mg/kg	0.040		109	70-130			
tert-Butylbenzene	**0.0421**	0.0050	mg/kg	0.040		105	70-130			
n-Butylbenzene	**0.0394**	0.0050	mg/kg	0.040		98.4	70-130			
Carbon Disulfide	**0.0345**	0.0050	mg/kg	0.040		86.2	70-130			
Carbon Tetrachloride	**0.0407**	0.0050	mg/kg	0.040		102	75-125			
Chlorobenzene	**0.0459**	0.0050	mg/kg	0.040		115	75-125			
Chloroethane	**0.0411**	0.0050	mg/kg	0.040		103	75-125			
Chloroform	**0.0419**	0.0050	mg/kg	0.040		105	75-125			
Chloromethane	**0.0405**	0.0050	mg/kg	0.040		101	65-125			
2-Chlorotoluene	**0.0443**	0.0050	mg/kg	0.040		111	70-130			
4-Chlorotoluene	**0.0417**	0.0050	mg/kg	0.040		104	70-130			
1,2-Dibromo-3-chloropropane	**0.0384**	0.010	mg/kg	0.040		96.0	70-130			
Dibromochloromethane	**0.0405**	0.0050	mg/kg	0.040		101	75-125			
1,2-Dibromoethane (EDB)	**0.0413**	0.0050	mg/kg	0.040		103	70-130			
Dibromomethane	**0.0412**	0.0050	mg/kg	0.040		103	70-130			
1,4-Dichlorobenzene	**0.0410**	0.0050	mg/kg	0.040		102	75-125			
1,3-Dichlorobenzene	**0.0440**	0.0050	mg/kg	0.040		110	70-130			
1,2-Dichlorobenzene	**0.0430**	0.0050	mg/kg	0.040		108	70-130			
Dichlorodifluoromethane (R12)	**0.0282**	0.0050	mg/kg	0.040		70.6	70-130			
1,1-Dichloroethane	**0.0413**	0.0050	mg/kg	0.040		103	70-125			
1,2-Dichloroethane (EDC)	**0.0397**	0.0050	mg/kg	0.040		99.2	75-125			
trans-1,2-Dichloroethylene	**0.0411**	0.0050	mg/kg	0.040		103	75-125			
cis-1,2-Dichloroethylene	**0.0435**	0.0050	mg/kg	0.040		109	75-125			
1,1-Dichloroethylene	**0.0382**	0.0050	mg/kg	0.040		95.5	70-130			
2,2-Dichloropropane	**0.0358**	0.0050	mg/kg	0.040		89.5	70-130			
1,3-Dichloropropane	**0.0414**	0.0050	mg/kg	0.040		104	70-130			
1,2-Dichloropropane	**0.0409**	0.0050	mg/kg	0.040		102	75-130			
trans-1,3-Dichloropropylene	**0.0376**	0.0050	mg/kg	0.040		94.1	70-130			
1,1-Dichloropropylene	**0.0411**	0.0050	mg/kg	0.040		103	70-130			
cis-1,3-Dichloropropylene	**0.0371**	0.0050	mg/kg	0.040		92.8	75-125			
Diisopropyl ether (DIPE)	**0.0408**	0.0050	mg/kg	0.040		102	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
LCS (B8G0921-BS1) Continued				Prepared & Analyzed: 07/09/18						
Ethylbenzene	**0.0451**	0.0020	mg/kg	0.040		113	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**0.0375**	0.0050	mg/kg	0.040		93.8	70-130			
Gasoline Range Organics (GRO)	**1.08**	0.50	mg/kg	1.0		108	70-130			
Hexachlorobutadiene	**0.0394**	0.010	mg/kg	0.040		98.4	70-130			
2-Hexanone (MBK)	**0.0350**	0.050	mg/kg	0.040		87.4	70-130			
Isopropylbenzene	**0.0435**	0.0050	mg/kg	0.040		109	70-130			
4-Isopropyltoluene	**0.0408**	0.0050	mg/kg	0.040		102	70-130			
Methyl-tert-Butyl Ether (MTBE)	**0.0829**	0.0050	mg/kg	0.080		104	75-125			
Methylene Chloride	**0.0417**	0.050	mg/kg	0.040		104	75-130			
4-Methyl-2-pentanone (MIBK)	**0.0380**	0.050	mg/kg	0.040		95.0	70-130			
Naphthalene	**0.0335**	0.010	mg/kg	0.040		83.8	70-130			
n-Propylbenzene	**0.0436**	0.0050	mg/kg	0.040		109	70-130			
Styrene	**0.0427**	0.0050	mg/kg	0.040		107	70-130			
1,1,1,2-Tetrachloroethane	**0.0422**	0.0050	mg/kg	0.040		105	70-130			
1,1,2,2-Tetrachloroethane	**0.0408**	0.0050	mg/kg	0.040		102	70-135			
Tetrachloroethylene (PCE)	**0.0446**	0.0050	mg/kg	0.040		112	75-125			
Toluene	**0.0441**	0.0020	mg/kg	0.040		110	75-125			
1,2,4-Trichlorobenzene	**0.0352**	0.0050	mg/kg	0.040		88.0	70-130			
1,2,3-Trichlorobenzene	**0.0349**	0.0050	mg/kg	0.040		87.2	70-130			
1,1,2-Trichloroethane	**0.0399**	0.0050	mg/kg	0.040		99.8	75-125			
1,1,1-Trichloroethane	**0.0398**	0.0050	mg/kg	0.040		99.6	75-125			
Trichloroethylene (TCE)	**0.0417**	0.0050	mg/kg	0.040		104	75-125			
Trichlorofluoromethane (R11)	**0.0429**	0.0050	mg/kg	0.040		107	70-130			
1,2,3-Trichloropropane	**0.0418**	0.0050	mg/kg	0.040		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**0.0501**	0.0050	mg/kg	0.040		125	70-130			
1,3,5-Trimethylbenzene	**0.0396**	0.0050	mg/kg	0.040		98.9	70-130			
1,2,4-Trimethylbenzene	**0.0385**	0.0050	mg/kg	0.040		96.4	70-130			
Vinyl chloride	**0.0418**	0.0050	mg/kg	0.040		104	75-125			
o-Xylene	**0.0432**	0.0020	mg/kg	0.040		108	75-125			
m,p-Xylenes	**0.0930**	0.0020	mg/kg	0.080		116	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
LCS (B8G0921-BS1) Continued				Prepared & Analyzed: 07/09/18						
Surrogate: 4-Bromofluorobenzene	*0.104*		*mg/kg*	*0.10*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*0.0989*		*mg/kg*	*0.10*		*98.9*	*70-140*			
Surrogate: Toluene-d8	*0.104*		*mg/kg*	*0.10*		*104*	*70-140*			
LCS Dup (B8G0921-BSD1)				Prepared & Analyzed: 07/09/18						
Acetone	**0.0335**	0.050	mg/kg	0.040		83.6	70-130	6.93	30	
tert-Amyl Methyl Ether (TAME)	**0.0481**	0.0050	mg/kg	0.040		120	70-130	23.5	30	
Benzene	**0.0448**	0.0020	mg/kg	0.040		112	75-125	12.4	30	
Bromobenzene	**0.0425**	0.0050	mg/kg	0.040		106	70-130	0.235	30	
Bromochloromethane	**0.0423**	0.0050	mg/kg	0.040		106	70-130	0.998	30	
Bromodichloromethane	**0.0503**	0.0050	mg/kg	0.040		126	75-125	20.2	30	**
Bromoform	**0.0470**	0.0050	mg/kg	0.040		118	75-125	14.8	30	
Bromomethane	**0.0323**	0.0050	mg/kg	0.040		80.6	75-125	24.2	30	
2-Butanone (MEK)	**0.0236**	0.050	mg/kg	0.040		59.0	70-130	46.1	30	***, AA-C1
tert-Butyl alcohol (TBA)	**0.234**	0.020	mg/kg	0.20		117	70-130	29.1	30	
sec-Butylbenzene	**0.0430**	0.0050	mg/kg	0.040		108	70-130	1.48	30	
tert-Butylbenzene	**0.0411**	0.0050	mg/kg	0.040		103	70-130	2.50	30	
n-Butylbenzene	**0.0407**	0.0050	mg/kg	0.040		102	70-130	3.30	30	
Carbon Disulfide	**0.0355**	0.0050	mg/kg	0.040		88.8	70-130	2.86	30	
Carbon Tetrachloride	**0.0505**	0.0050	mg/kg	0.040		126	75-125	21.6	30	**
Chlorobenzene	**0.0413**	0.0050	mg/kg	0.040		103	75-125	10.7	30	
Chloroethane	**0.0378**	0.0050	mg/kg	0.040		94.6	75-125	8.21	30	
Chloroform	**0.0493**	0.0050	mg/kg	0.040		123	75-125	16.4	30	
Chloromethane	**0.0382**	0.0050	mg/kg	0.040		95.4	65-125	6.05	30	
2-Chlorotoluene	**0.0462**	0.0050	mg/kg	0.040		116	70-130	4.24	30	
4-Chlorotoluene	**0.0427**	0.0050	mg/kg	0.040		107	70-130	2.32	30	
1,2-Dibromo-3-chloropropane	**0.0439**	0.010	mg/kg	0.040		110	70-130	13.3	30	
Dibromochloromethane	**0.0456**	0.0050	mg/kg	0.040		114	75-125	11.9	30	
1,2-Dibromoethane (EDB)	**0.0438**	0.0050	mg/kg	0.040		110	70-130	5.97	30	
Dibromomethane	**0.0481**	0.0050	mg/kg	0.040		120	70-130	15.4	30	
1,4-Dichlorobenzene	**0.0410**	0.0050	mg/kg	0.040		102	75-125	0.0488	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
LCS Dup (B8G0921-BSD1) Continued				Prepared & Analyzed: 07/09/18						
1,3-Dichlorobenzene	**0.0437**	0.0050	mg/kg	0.040		109	70-130	0.593	30	
1,2-Dichlorobenzene	**0.0430**	0.0050	mg/kg	0.040		107	70-130	0.140	30	
Dichlorodifluoromethane (R12)	**0.0319**	0.0050	mg/kg	0.040		79.7	70-130	12.1	30	
1,1-Dichloroethane	**0.0495**	0.0050	mg/kg	0.040		124	70-125	17.9	30	
1,2-Dichloroethane (EDC)	**0.0561**	0.0050	mg/kg	0.040		140	75-125	34.2	30	**, AA-C1
trans-1,2-Dichloroethylene	**0.0419**	0.0050	mg/kg	0.040		105	75-125	1.93	30	
cis-1,2-Dichloroethylene	**0.0455**	0.0050	mg/kg	0.040		114	75-125	4.49	30	
1,1-Dichloroethylene	**0.0391**	0.0050	mg/kg	0.040		97.6	70-130	2.23	30	
2,2-Dichloropropane	**0.0319**	0.0050	mg/kg	0.040		79.7	70-130	11.5	30	
1,3-Dichloropropane	**0.0477**	0.0050	mg/kg	0.040		119	70-130	14.1	30	
1,2-Dichloropropane	**0.0445**	0.0050	mg/kg	0.040		111	75-130	8.57	30	
trans-1,3-Dichloropropylene	**0.0405**	0.0050	mg/kg	0.040		101	70-130	7.42	30	
1,1-Dichloropropylene	**0.0496**	0.0050	mg/kg	0.040		124	70-130	18.7	30	
cis-1,3-Dichloropropylene	**0.0424**	0.0050	mg/kg	0.040		106	75-125	13.2	30	
Diisopropyl ether (DIPE)	**0.0458**	0.0050	mg/kg	0.040		115	70-130	11.6	30	
Ethylbenzene	**0.0460**	0.0020	mg/kg	0.040		115	75-125	1.89	30	
Ethyl-tert-Butyl Ether (ETBE)	**0.0452**	0.0050	mg/kg	0.040		113	70-130	18.5	30	
Gasoline Range Organics (GRO)	**1.06**	0.50	mg/kg	1.0		106	70-130	1.05	30	
Hexachlorobutadiene	**0.0395**	0.010	mg/kg	0.040		98.8	70-130	0.355	30	
2-Hexanone (MBK)	**0.0416**	0.050	mg/kg	0.040		104	70-130	17.2	30	
Isopropylbenzene	**0.0408**	0.0050	mg/kg	0.040		102	70-130	6.55	30	
4-Isopropyltoluene	**0.0404**	0.0050	mg/kg	0.040		101	70-130	0.837	30	
Methyl-tert-Butyl Ether (MTBE)	**0.104**	0.0050	mg/kg	0.080		130	75-125	22.7	30	**
Methylene Chloride	**0.0437**	0.050	mg/kg	0.040		109	75-130	4.78	30	
4-Methyl-2-pentanone (MIBK)	**0.0504**	0.050	mg/kg	0.040		126	70-130	28.1	30	
Naphthalene	**0.0365**	0.010	mg/kg	0.040		91.2	70-130	8.34	30	
n-Propylbenzene	**0.0434**	0.0050	mg/kg	0.040		108	70-130	0.552	30	
Styrene	**0.0424**	0.0050	mg/kg	0.040		106	70-130	0.564	30	
1,1,1,2-Tetrachloroethane	**0.0462**	0.0050	mg/kg	0.040		116	70-130	9.14	30	
1,1,2,2-Tetrachloroethane	**0.0484**	0.0050	mg/kg	0.040		121	70-135	17.1	30	
Tetrachloroethylene (PCE)	**0.0415**	0.0050	mg/kg	0.040		104	75-125	7.15	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G0921 - EPA 5035										
LCS Dup (B8G0921-BSD1) Continued				Prepared & Analyzed: 07/09/18						
Toluene	**0.0426**	0.0020	mg/kg	0.040		106	75-125	3.46	30	
1,2,4-Trichlorobenzene	**0.0348**	0.0050	mg/kg	0.040		87.1	70-130	1.03	30	
1,2,3-Trichlorobenzene	**0.0367**	0.0050	mg/kg	0.040		91.7	70-130	5.03	30	
1,1,2-Trichloroethane	**0.0450**	0.0050	mg/kg	0.040		113	75-125	12.0	30	
1,1,1-Trichloroethane	**0.0509**	0.0050	mg/kg	0.040		127	75-125	24.4	30	**
Trichloroethylene (TCE)	**0.0471**	0.0050	mg/kg	0.040		118	75-125	12.1	30	
Trichlorofluoromethane (R11)	**0.0448**	0.0050	mg/kg	0.040		112	70-130	4.38	30	
1,2,3-Trichloropropane	**0.0534**	0.0050	mg/kg	0.040		133	70-130	24.3	30	**
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**0.0524**	0.0050	mg/kg	0.040		131	70-130	4.48	30	**
1,3,5-Trimethylbenzene	**0.0388**	0.0050	mg/kg	0.040		97.0	70-130	1.94	30	
1,2,4-Trimethylbenzene	**0.0379**	0.0050	mg/kg	0.040		94.6	70-130	1.78	30	
Vinyl chloride	**0.0395**	0.0050	mg/kg	0.040		98.8	75-125	5.51	30	
o-Xylene	**0.0433**	0.0020	mg/kg	0.040		108	75-125	0.185	30	
m,p-Xylenes	**0.0886**	0.0020	mg/kg	0.080		111	70-130	4.84	30	
Surrogate: 4-Bromofluorobenzene	*0.106*		*mg/kg*	*0.10*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*0.115*		*mg/kg*	*0.10*		*115*	*70-140*			
Surrogate: Toluene-d8	*0.0973*		*mg/kg*	*0.10*		*97.3*	*70-140*			
Batch B8G1028 - EPA 5035										
Blank (B8G1028-BLK1)				Prepared & Analyzed: 07/10/18						
Acetone	<0.050	0.050	mg/kg							
tert-Amyl Methyl Ether (TAME)	<0.0050	0.0050	mg/kg							
Benzene	<0.0020	0.0020	mg/kg							
Bromobenzene	<0.0050	0.0050	mg/kg							
Bromochloromethane	<0.0050	0.0050	mg/kg							
Bromodichloromethane	<0.0050	0.0050	mg/kg							
Bromoform	<0.0050	0.0050	mg/kg							
Bromomethane	<0.0050	0.0050	mg/kg							
2-Butanone (MEK)	<0.050	0.050	mg/kg							
tert-Butyl alcohol (TBA)	<0.020	0.020	mg/kg							
sec-Butylbenzene	<0.0050	0.0050	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
Blank (B8G1028-BLK1) Continued				Prepared & Analyzed: 07/10/18						
tert-Butylbenzene	<0.0050	0.0050	mg/kg							
n-Butylbenzene	<0.0050	0.0050	mg/kg							
Carbon Disulfide	<0.0050	0.0050	mg/kg							
Carbon Tetrachloride	<0.0050	0.0050	mg/kg							
Chlorobenzene	<0.0050	0.0050	mg/kg							
Chloroethane	<0.0050	0.0050	mg/kg							
Chloroform	<0.0050	0.0050	mg/kg							
Chloromethane	<0.0050	0.0050	mg/kg							
2-Chlorotoluene	<0.0050	0.0050	mg/kg							
4-Chlorotoluene	<0.0050	0.0050	mg/kg							
1,2-Dibromo-3-chloropropane	<0.010	0.010	mg/kg							
Dibromochloromethane	<0.0050	0.0050	mg/kg							
1,2-Dibromoethane (EDB)	<0.0050	0.0050	mg/kg							
Dibromomethane	<0.0050	0.0050	mg/kg							
1,4-Dichlorobenzene	<0.0050	0.0050	mg/kg							
1,3-Dichlorobenzene	<0.0050	0.0050	mg/kg							
1,2-Dichlorobenzene	<0.0050	0.0050	mg/kg							
Dichlorodifluoromethane (R12)	<0.0050	0.0050	mg/kg							
1,1-Dichloroethane	<0.0050	0.0050	mg/kg							
1,2-Dichloroethane (EDC)	<0.0050	0.0050	mg/kg							
trans-1,2-Dichloroethylene	<0.0050	0.0050	mg/kg							
cis-1,2-Dichloroethylene	<0.0050	0.0050	mg/kg							
1,1-Dichloroethylene	<0.0050	0.0050	mg/kg							
2,2-Dichloropropane	<0.0050	0.0050	mg/kg							
1,3-Dichloropropane	<0.0050	0.0050	mg/kg							
1,2-Dichloropropane	<0.0050	0.0050	mg/kg							
trans-1,3-Dichloropropylene	<0.0050	0.0050	mg/kg							
1,1-Dichloropropylene	<0.0050	0.0050	mg/kg							
cis-1,3-Dichloropropylene	<0.0050	0.0050	mg/kg							
Diisopropyl ether (DIPE)	<0.0050	0.0050	mg/kg							
Ethylbenzene	<0.0020	0.0020	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
Blank (B8G1028-BLK1) Continued				Prepared & Analyzed: 07/10/18						
Ethyl-tert-Butyl Ether (ETBE)	<0.0050	0.0050	mg/kg							
Gasoline Range Organics (GRO)	<0.50	0.50	mg/kg							
Hexachlorobutadiene	<0.010	0.010	mg/kg							
2-Hexanone (MBK)	<0.050	0.050	mg/kg							
Isopropylbenzene	<0.0050	0.0050	mg/kg							
4-Isopropyltoluene	<0.0050	0.0050	mg/kg							
Methyl-tert-Butyl Ether (MTBE)	<0.0050	0.0050	mg/kg							
Methylene Chloride	<0.050	0.050	mg/kg							
4-Methyl-2-pentanone (MIBK)	<0.050	0.050	mg/kg							
Naphthalene	<0.010	0.010	mg/kg							
n-Propylbenzene	<0.0050	0.0050	mg/kg							
Styrene	<0.0050	0.0050	mg/kg							
1,1,1,2-Tetrachloroethane	<0.0050	0.0050	mg/kg							
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	mg/kg							
Tetrachloroethylene (PCE)	<0.0050	0.0050	mg/kg							
Toluene	<0.0020	0.0020	mg/kg							
1,2,4-Trichlorobenzene	<0.0050	0.0050	mg/kg							
1,2,3-Trichlorobenzene	<0.0050	0.0050	mg/kg							
1,1,2-Trichloroethane	<0.0050	0.0050	mg/kg							
1,1,1-Trichloroethane	<0.0050	0.0050	mg/kg							
Trichloroethylene (TCE)	<0.0050	0.0050	mg/kg							
Trichlorofluoromethane (R11)	<0.0050	0.0050	mg/kg							
1,2,3-Trichloropropane	<0.0050	0.0050	mg/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.0050	0.0050	mg/kg							
1,3,5-Trimethylbenzene	<0.0050	0.0050	mg/kg							
1,2,4-Trimethylbenzene	<0.0050	0.0050	mg/kg							
Vinyl chloride	<0.0050	0.0050	mg/kg							
o-Xylene	<0.0020	0.0020	mg/kg							
m,p-Xylenes	<0.0020	0.0020	mg/kg							
Surrogate: 4-Bromofluorobenzene	*0.106*		*mg/kg*	*0.10*		*106*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
Blank (B8G1028-BLK1) Continued				Prepared & Analyzed: 07/10/18						
Surrogate: Dibromofluoromethane	*0.0987*		*mg/kg*	*0.10*		*98.7*	*70-140*			
Surrogate: Toluene-d8	*0.102*		*mg/kg*	*0.10*		*102*	*70-140*			
LCS (B8G1028-BS1)				Prepared & Analyzed: 07/10/18						
Acetone	**0.0307**	0.050	mg/kg	0.040		76.6	70-130			
tert-Amyl Methyl Ether (TAME)	**0.0401**	0.0050	mg/kg	0.040		100	70-130			
Benzene	**0.0379**	0.0020	mg/kg	0.040		94.8	75-125			
Bromobenzene	**0.0429**	0.0050	mg/kg	0.040		107	70-130			
Bromochloromethane	**0.0396**	0.0050	mg/kg	0.040		98.9	70-130			
Bromodichloromethane	**0.0414**	0.0050	mg/kg	0.040		103	75-125			
Bromoform	**0.0435**	0.0050	mg/kg	0.040		109	75-125			
Bromomethane	**0.0328**	0.0050	mg/kg	0.040		82.1	75-125			
2-Butanone (MEK)	**0.0344**	0.050	mg/kg	0.040		86.1	70-130			
tert-Butyl alcohol (TBA)	**0.210**	0.020	mg/kg	0.20		105	70-130			
sec-Butylbenzene	**0.0421**	0.0050	mg/kg	0.040		105	70-130			
tert-Butylbenzene	**0.0413**	0.0050	mg/kg	0.040		103	70-130			
n-Butylbenzene	**0.0386**	0.0050	mg/kg	0.040		96.4	70-130			
Carbon Disulfide	**0.0315**	0.0050	mg/kg	0.040		78.8	70-130			
Carbon Tetrachloride	**0.0429**	0.0050	mg/kg	0.040		107	75-125			
Chlorobenzene	**0.0415**	0.0050	mg/kg	0.040		104	75-125			
Chloroethane	**0.0343**	0.0050	mg/kg	0.040		85.8	75-125			
Chloroform	**0.0411**	0.0050	mg/kg	0.040		103	75-125			
Chloromethane	**0.0333**	0.0050	mg/kg	0.040		83.2	65-125			
2-Chlorotoluene	**0.0432**	0.0050	mg/kg	0.040		108	70-130			
4-Chlorotoluene	**0.0408**	0.0050	mg/kg	0.040		102	70-130			
1,2-Dibromo-3-chloropropane	**0.0403**	0.010	mg/kg	0.040		101	70-130			
Dibromochloromethane	**0.0434**	0.0050	mg/kg	0.040		108	75-125			
1,2-Dibromoethane (EDB)	**0.0425**	0.0050	mg/kg	0.040		106	70-130			
Dibromomethane	**0.0394**	0.0050	mg/kg	0.040		98.6	70-130			
1,4-Dichlorobenzene	**0.0412**	0.0050	mg/kg	0.040		103	75-125			
1,3-Dichlorobenzene	**0.0435**	0.0050	mg/kg	0.040		109	70-130			
1,2-Dichlorobenzene	**0.0422**	0.0050	mg/kg	0.040		106	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
LCS (B8G1028-BS1) Continued				Prepared & Analyzed: 07/10/18						
Dichlorodifluoromethane (R12)	**0.0255**	0.0050	mg/kg	0.040		63.8	70-130			***
1,1-Dichloroethane	**0.0397**	0.0050	mg/kg	0.040		99.2	70-125			
1,2-Dichloroethane (EDC)	**0.0419**	0.0050	mg/kg	0.040		105	75-125			
trans-1,2-Dichloroethylene	**0.0404**	0.0050	mg/kg	0.040		101	75-125			
cis-1,2-Dichloroethylene	**0.0422**	0.0050	mg/kg	0.040		105	75-125			
1,1-Dichloroethylene	**0.0372**	0.0050	mg/kg	0.040		93.0	70-130			
2,2-Dichloropropane	**0.0304**	0.0050	mg/kg	0.040		75.9	70-130			
1,3-Dichloropropane	**0.0425**	0.0050	mg/kg	0.040		106	70-130			
1,2-Dichloropropane	**0.0383**	0.0050	mg/kg	0.040		95.8	75-130			
trans-1,3-Dichloropropylene	**0.0412**	0.0050	mg/kg	0.040		103	70-130			
1,1-Dichloropropylene	**0.0406**	0.0050	mg/kg	0.040		101	70-130			
cis-1,3-Dichloropropylene	**0.0370**	0.0050	mg/kg	0.040		92.6	75-125			
Diisopropyl ether (DIPE)	**0.0395**	0.0050	mg/kg	0.040		98.7	70-130			
Ethylbenzene	**0.0437**	0.0020	mg/kg	0.040		109	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**0.0390**	0.0050	mg/kg	0.040		97.6	70-130			
Gasoline Range Organics (GRO)	**1.00**	0.50	mg/kg	1.0		100	70-130			
Hexachlorobutadiene	**0.0401**	0.010	mg/kg	0.040		100	70-130			
2-Hexanone (MBK)	**0.0382**	0.050	mg/kg	0.040		95.4	70-130			
Isopropylbenzene	**0.0413**	0.0050	mg/kg	0.040		103	70-130			
4-Isopropyltoluene	**0.0405**	0.0050	mg/kg	0.040		101	70-130			
Methyl-tert-Butyl Ether (MTBE)	**0.0866**	0.0050	mg/kg	0.080		108	75-125			
Methylene Chloride	**0.0365**	0.050	mg/kg	0.040		91.2	75-130			
4-Methyl-2-pentanone (MIBK)	**0.0446**	0.050	mg/kg	0.040		111	70-130			
Naphthalene	**0.0368**	0.010	mg/kg	0.040		92.0	70-130			
n-Propylbenzene	**0.0421**	0.0050	mg/kg	0.040		105	70-130			
Styrene	**0.0429**	0.0050	mg/kg	0.040		107	70-130			
1,1,1,2-Tetrachloroethane	**0.0437**	0.0050	mg/kg	0.040		109	70-130			
1,1,2,2-Tetrachloroethane	**0.0393**	0.0050	mg/kg	0.040		98.3	70-135			
Tetrachloroethylene (PCE)	**0.0447**	0.0050	mg/kg	0.040		112	75-125			
Toluene	**0.0430**	0.0020	mg/kg	0.040		108	75-125			
1,2,4-Trichlorobenzene	**0.0365**	0.0050	mg/kg	0.040		91.4	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
LCS (B8G1028-BS1) Continued				Prepared & Analyzed: 07/10/18						
1,2,3-Trichlorobenzene	**0.0375**	0.0050	mg/kg	0.040		93.6	70-130			
1,1,2-Trichloroethane	**0.0406**	0.0050	mg/kg	0.040		101	75-125			
1,1,1-Trichloroethane	**0.0412**	0.0050	mg/kg	0.040		103	75-125			
Trichloroethylene (TCE)	**0.0404**	0.0050	mg/kg	0.040		101	75-125			
Trichlorofluoromethane (R11)	**0.0383**	0.0050	mg/kg	0.040		95.7	70-130			
1,2,3-Trichloropropane	**0.0413**	0.0050	mg/kg	0.040		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**0.0463**	0.0050	mg/kg	0.040		116	70-130			
1,3,5-Trimethylbenzene	**0.0397**	0.0050	mg/kg	0.040		99.3	70-130			
1,2,4-Trimethylbenzene	**0.0383**	0.0050	mg/kg	0.040		95.8	70-130			
Vinyl chloride	**0.0332**	0.0050	mg/kg	0.040		83.1	75-125			
o-Xylene	**0.0422**	0.0020	mg/kg	0.040		105	75-125			
m,p-Xylenes	**0.0919**	0.0020	mg/kg	0.080		115	70-130			
Surrogate: 4-Bromofluorobenzene	*0.104*		*mg/kg*	*0.10*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*0.0983*		*mg/kg*	*0.10*		*98.3*	*70-140*			
Surrogate: Toluene-d8	*0.0988*		*mg/kg*	*0.10*		*98.8*	*70-140*			
LCS Dup (B8G1028-BSD1)				Prepared & Analyzed: 07/10/18						
Acetone	**0.0325**	0.050	mg/kg	0.040		81.2	70-130	5.83	30	
tert-Amyl Methyl Ether (TAME)	**0.0409**	0.0050	mg/kg	0.040		102	70-130	2.03	30	
Benzene	**0.0409**	0.0020	mg/kg	0.040		102	75-125	7.51	30	
Bromobenzene	**0.0406**	0.0050	mg/kg	0.040		101	70-130	5.47	30	
Bromochloromethane	**0.0406**	0.0050	mg/kg	0.040		101	70-130	2.50	30	
Bromodichloromethane	**0.0433**	0.0050	mg/kg	0.040		108	75-125	4.49	30	
Bromoform	**0.0411**	0.0050	mg/kg	0.040		103	75-125	5.58	30	
Bromomethane	**0.0304**	0.0050	mg/kg	0.040		76.1	75-125	7.59	30	
2-Butanone (MEK)	**0.0358**	0.050	mg/kg	0.040		89.5	70-130	3.82	30	
tert-Butyl alcohol (TBA)	**0.185**	0.020	mg/kg	0.20		92.6	70-130	12.6	30	
sec-Butylbenzene	**0.0411**	0.0050	mg/kg	0.040		103	70-130	2.26	30	
tert-Butylbenzene	**0.0408**	0.0050	mg/kg	0.040		102	70-130	1.36	30	
n-Butylbenzene	**0.0380**	0.0050	mg/kg	0.040		95.0	70-130	1.46	30	
Carbon Disulfide	**0.0331**	0.0050	mg/kg	0.040		82.8	70-130	5.01	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
LCS Dup (B8G1028-BSD1) Continued				Prepared & Analyzed: 07/10/18						
Carbon Tetrachloride	**0.0443**	0.0050	mg/kg	0.040		111	75-125	3.12	30	
Chlorobenzene	**0.0411**	0.0050	mg/kg	0.040		103	75-125	0.872	30	
Chloroethane	**0.0353**	0.0050	mg/kg	0.040		88.3	75-125	2.82	30	
Chloroform	**0.0436**	0.0050	mg/kg	0.040		109	75-125	5.81	30	
Chloromethane	**0.0353**	0.0050	mg/kg	0.040		88.3	65-125	5.95	30	
2-Chlorotoluene	**0.0426**	0.0050	mg/kg	0.040		106	70-130	1.49	30	
4-Chlorotoluene	**0.0401**	0.0050	mg/kg	0.040		100	70-130	1.73	30	
1,2-Dibromo-3-chloropropane	**0.0380**	0.010	mg/kg	0.040		95.0	70-130	5.92	30	
Dibromochloromethane	**0.0433**	0.0050	mg/kg	0.040		108	75-125	0.138	30	
1,2-Dibromoethane (EDB)	**0.0393**	0.0050	mg/kg	0.040		98.4	70-130	7.77	30	
Dibromomethane	**0.0409**	0.0050	mg/kg	0.040		102	70-130	3.78	30	
1,4-Dichlorobenzene	**0.0391**	0.0050	mg/kg	0.040		97.6	75-125	5.28	30	
1,3-Dichlorobenzene	**0.0418**	0.0050	mg/kg	0.040		105	70-130	3.98	30	
1,2-Dichlorobenzene	**0.0422**	0.0050	mg/kg	0.040		105	70-130	0.190	30	
Dichlorodifluoromethane (R12)	**0.0280**	0.0050	mg/kg	0.040		70.1	70-130	9.49	30	
1,1-Dichloroethane	**0.0422**	0.0050	mg/kg	0.040		105	70-125	6.06	30	
1,2-Dichloroethane (EDC)	**0.0449**	0.0050	mg/kg	0.040		112	75-125	6.91	30	
trans-1,2-Dichloroethylene	**0.0407**	0.0050	mg/kg	0.040		102	75-125	0.740	30	
cis-1,2-Dichloroethylene	**0.0425**	0.0050	mg/kg	0.040		106	75-125	0.803	30	
1,1-Dichloroethylene	**0.0389**	0.0050	mg/kg	0.040		97.4	70-130	4.57	30	
2,2-Dichloropropane	**0.0310**	0.0050	mg/kg	0.040		77.5	70-130	2.09	30	
1,3-Dichloropropane	**0.0423**	0.0050	mg/kg	0.040		106	70-130	0.613	30	
1,2-Dichloropropane	**0.0407**	0.0050	mg/kg	0.040		102	75-130	6.08	30	
trans-1,3-Dichloropropylene	**0.0389**	0.0050	mg/kg	0.040		97.2	70-130	5.79	30	
1,1-Dichloropropylene	**0.0438**	0.0050	mg/kg	0.040		110	70-130	7.63	30	
cis-1,3-Dichloropropylene	**0.0380**	0.0050	mg/kg	0.040		95.0	75-125	2.61	30	
Diisopropyl ether (DIPE)	**0.0406**	0.0050	mg/kg	0.040		102	70-130	2.85	30	
Ethylbenzene	**0.0433**	0.0020	mg/kg	0.040		108	75-125	0.965	30	
Ethyl-tert-Butyl Ether (ETBE)	**0.0397**	0.0050	mg/kg	0.040		99.3	70-130	1.73	30	
Gasoline Range Organics (GRO)	**1.06**	0.50	mg/kg	1.0		106	70-130	5.47	30	
Hexachlorobutadiene	**0.0388**	0.010	mg/kg	0.040		97.0	70-130	3.39	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control										
Batch B8G1028 - EPA 5035										
LCS Dup (B8G1028-BSD1) Continued				Prepared & Analyzed: 07/10/18						
2-Hexanone (MBK)	**0.0355**	0.050	mg/kg	0.040		88.7	70-130	7.28	30	
Isopropylbenzene	**0.0404**	0.0050	mg/kg	0.040		101	70-130	2.35	30	
4-Isopropyltoluene	**0.0393**	0.0050	mg/kg	0.040		98.2	70-130	3.01	30	
Methyl-tert-Butyl Ether (MTBE)	**0.0893**	0.0050	mg/kg	0.080		112	75-125	3.05	30	
Methylene Chloride	**0.0393**	0.050	mg/kg	0.040		98.2	75-130	7.40	30	
4-Methyl-2-pentanone (MIBK)	**0.0439**	0.050	mg/kg	0.040		110	70-130	1.58	30	
Naphthalene	**0.0314**	0.010	mg/kg	0.040		78.6	70-130	15.8	30	
n-Propylbenzene	**0.0414**	0.0050	mg/kg	0.040		104	70-130	1.68	30	
Styrene	**0.0406**	0.0050	mg/kg	0.040		102	70-130	5.51	30	
1,1,1,2-Tetrachloroethane	**0.0429**	0.0050	mg/kg	0.040		107	70-130	1.80	30	
1,1,2,2-Tetrachloroethane	**0.0385**	0.0050	mg/kg	0.040		96.4	70-135	2.00	30	
Tetrachloroethylene (PCE)	**0.0413**	0.0050	mg/kg	0.040		103	75-125	7.95	30	
Toluene	**0.0417**	0.0020	mg/kg	0.040		104	75-125	3.16	30	
1,2,4-Trichlorobenzene	**0.0340**	0.0050	mg/kg	0.040		85.0	70-130	7.26	30	
1,2,3-Trichlorobenzene	**0.0353**	0.0050	mg/kg	0.040		88.2	70-130	5.99	30	
1,1,2-Trichloroethane	**0.0403**	0.0050	mg/kg	0.040		101	75-125	0.593	30	
1,1,1-Trichloroethane	**0.0443**	0.0050	mg/kg	0.040		111	75-125	7.34	30	
Trichloroethylene (TCE)	**0.0414**	0.0050	mg/kg	0.040		103	75-125	2.25	30	
Trichlorofluoromethane (R11)	**0.0412**	0.0050	mg/kg	0.040		103	70-130	7.40	30	
1,2,3-Trichloropropane	**0.0438**	0.0050	mg/kg	0.040		110	70-130	5.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**0.0505**	0.0050	mg/kg	0.040		126	70-130	8.55	30	
1,3,5-Trimethylbenzene	**0.0379**	0.0050	mg/kg	0.040		94.6	70-130	4.80	30	
1,2,4-Trimethylbenzene	**0.0378**	0.0050	mg/kg	0.040		94.5	70-130	1.37	30	
Vinyl chloride	**0.0362**	0.0050	mg/kg	0.040		90.6	75-125	8.58	30	
o-Xylene	**0.0417**	0.0020	mg/kg	0.040		104	75-125	1.05	30	
m,p-Xylenes	**0.0885**	0.0020	mg/kg	0.080		111	70-130	3.84	30	
Surrogate: 4-Bromofluorobenzene	*0.104*		*mg/kg*	*0.10*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*0.103*		*mg/kg*	*0.10*		*103*	*70-140*			
Surrogate: Toluene-d8	*0.0994*		*mg/kg*	*0.10*		*99.4*	*70-140*			
Carbon Chain by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B8G0924 - EPA 3550B										
Blank (B8G0924-BLK1)				Prepared & Analyzed: 07/09/18						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.39*		*mg/kg*	*10*		*73.9*	*50-150*			
LCS (B8G0924-BS1)				Prepared & Analyzed: 07/09/18						
Diesel Range Organics as Diesel	**151**	10	mg/kg	200		75.5	75-125			
Surrogate: o-Terphenyl	*8.72*		*mg/kg*	*10*		*87.2*	*50-150*			
LCS Dup (B8G0924-BSD1)				Prepared & Analyzed: 07/09/18						
Diesel Range Organics as Diesel	**157**	10	mg/kg	200		78.6	75-125	3.99	40	
Surrogate: o-Terphenyl	*8.84*		*mg/kg*	*10*		*88.4*	*50-150*			
Matrix Spike (B8G0924-MS1)			**Source: 8G06009-01**	Prepared & Analyzed: 07/09/18						
Diesel Range Organics as Diesel	**141**	10	mg/kg	200		70.5	70-130			
Surrogate: o-Terphenyl	*5.97*		*mg/kg*	*10*		*59.7*	*50-150*			
Matrix Spike Dup (B8G0924-MSD1)			**Source: 8G06009-01**	Prepared & Analyzed: 07/09/18						
Diesel Range Organics as Diesel	**150**	10	mg/kg	200		75.0	70-130	6.26	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B8G0924 - EPA 3550B										
Matrix Spike Dup (B8G0924-MSD1) Continued			**Source: 8G06009-01**	Prepared & Analyzed: 07/09/18						
Surrogate: o-Terphenyl	*7.18*		*mg/kg*	*10*		*71.8*	*50-150*			
Total Metals CAM 17 - Quality Control										
Batch B8G0928 - EPA 3050B										
Blank (B8G0928-BLK1)				Prepared: 07/09/18 Analyzed: 07/10/18						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B8G0928-BS1)				Prepared: 07/09/18 Analyzed: 07/10/18						
Antimony	**53.2**	10	mg/kg	50		106	80-120			
Arsenic	**52.1**	0.50	mg/kg	50		104	80-120			
Barium	**51.6**	10	mg/kg	50		103	80-120			
Beryllium	**55.8**	1.0	mg/kg	50		112	80-120			
Cadmium	**55.8**	1.0	mg/kg	50		112	80-120			
Chromium	**53.5**	3.0	mg/kg	50		107	80-120			
Cobalt	**54.5**	3.0	mg/kg	50		109	80-120			
Copper	**50.6**	3.0	mg/kg	50		101	80-120			
Lead	**51.6**	3.0	mg/kg	50		103	80-120			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8G0928 - EPA 3050B										
LCS (B8G0928-BS1) Continued				Prepared: 07/09/18 Analyzed: 07/10/18						
Molybdenum	**54.6**	5.0	mg/kg	50		109	80-120			
Nickel	**54.4**	3.0	mg/kg	50		109	80-120			
Selenium	**48.8**	0.50	mg/kg	50		97.7	80-120			
Silver	**51.3**	1.0	mg/kg	50		103	80-120			
Thallium	**56.1**	5.0	mg/kg	50		112	80-120			
Vanadium	**54.2**	10	mg/kg	50		108	80-120			
Zinc	**57.6**	3.0	mg/kg	50		115	80-120			
LCS Dup (B8G0928-BSD1)				Prepared: 07/09/18 Analyzed: 07/10/18						
Antimony	**46.4**	10	mg/kg	50		92.7	80-120	13.7	20	
Arsenic	**46.0**	0.50	mg/kg	50		92.1	80-120	12.3	20	
Barium	**44.7**	10	mg/kg	50		89.5	80-120	14.2	20	
Beryllium	**48.4**	1.0	mg/kg	50		96.9	80-120	14.2	20	
Cadmium	**48.6**	1.0	mg/kg	50		97.1	80-120	13.9	20	
Chromium	**45.9**	3.0	mg/kg	50		91.8	80-120	15.2	20	
Cobalt	**47.3**	3.0	mg/kg	50		94.6	80-120	14.2	20	
Copper	**43.6**	3.0	mg/kg	50		87.2	80-120	14.9	20	
Lead	**45.0**	3.0	mg/kg	50		90.1	80-120	13.7	20	
Molybdenum	**47.5**	5.0	mg/kg	50		94.9	80-120	14.0	20	
Nickel	**47.0**	3.0	mg/kg	50		93.9	80-120	14.6	20	
Selenium	**43.9**	0.50	mg/kg	50		87.8	80-120	10.7	20	
Silver	**44.5**	1.0	mg/kg	50		89.0	80-120	14.1	20	
Thallium	**49.7**	5.0	mg/kg	50		99.4	80-120	12.1	20	
Vanadium	**46.8**	10	mg/kg	50		93.7	80-120	14.5	20	
Zinc	**50.1**	3.0	mg/kg	50		100	80-120	14.0	20	
Duplicate (B8G0928-DUP1)				**Source: 8G06009-12** Prepared: 07/09/18 Analyzed: 07/10/18						
Antimony	**<10**	10	mg/kg		<10				40	
Arsenic	**3.50**	0.50	mg/kg		3.41			2.60	40	
Barium	**101**	10	mg/kg		108			6.21	40	
Beryllium	**<1.0**	1.0	mg/kg		<1.0				40	
Cadmium	**<1.0**	1.0	mg/kg		<1.0				40	
Chromium	**20.5**	3.0	mg/kg		22.1			7.23	40	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8G0928 - EPA 3050B										
Duplicate (B8G0928-DUP1) Continued	**Source: 8G06009-12** Prepared: 07/09/18 Analyzed: 07/10/18									
Cobalt	**7.14**	3.0	mg/kg		7.69			7.42	40	
Copper	**9.56**	3.0	mg/kg		9.97			4.20	40	
Lead	**3.99**	3.0	mg/kg		4.24			6.08	40	
Molybdenum	**<5.0**	5.0	mg/kg		<5.0				40	
Nickel	**13.7**	3.0	mg/kg		14.6			6.63	40	
Selenium	**<0.50**	0.50	mg/kg		<0.50				40	
Silver	**<1.0**	1.0	mg/kg		<1.0				40	
Thallium	**<5.0**	5.0	mg/kg		<5.0				40	
Vanadium	**28.5**	10	mg/kg		30.5			6.79	40	
Zinc	**24.5**	3.0	mg/kg		26.8			8.84	40	
Matrix Spike (B8G0928-MS1)	**Source: 8G06009-04** Prepared: 07/09/18 Analyzed: 07/10/18									
Antimony	**25.2**	10	mg/kg	50	<10	50.3	75-125			QM-4X
Arsenic	**47.9**	0.50	mg/kg	50	2.15	91.5	75-125			
Barium	**130**	10	mg/kg	50	95.0	70.4	75-125			QM-4X
Beryllium	**46.8**	1.0	mg/kg	50	<1.0	93.6	75-125			
Cadmium	**40.0**	1.0	mg/kg	50	<1.0	79.9	75-125			
Chromium	**58.2**	3.0	mg/kg	50	11.9	92.6	75-125			
Cobalt	**51.5**	3.0	mg/kg	50	7.17	88.7	75-125			
Copper	**64.8**	3.0	mg/kg	50	7.03	116	75-125			
Lead	**52.2**	3.0	mg/kg	50	<3.0	104	75-125			
Molybdenum	**52.6**	5.0	mg/kg	50	<5.0	105	75-125			
Nickel	**53.0**	3.0	mg/kg	50	8.81	88.5	75-125			
Selenium	**40.7**	0.50	mg/kg	50	<0.50	81.5	75-125			
Silver	**50.2**	1.0	mg/kg	50	<1.0	100	75-125			
Thallium	**40.2**	5.0	mg/kg	50	<5.0	80.3	60-140			
Vanadium	**75.2**	10	mg/kg	50	27.4	95.8	75-125			
Zinc	**70.8**	3.0	mg/kg	50	28.5	84.5	75-125			
Matrix Spike Dup (B8G0928-MSD1)	**Source: 8G06009-04** Prepared: 07/09/18 Analyzed: 07/10/18									
Antimony	**25.4**	10	mg/kg	50	<10	50.8	75-125	1.03	40	QM-4X
Arsenic	**46.6**	0.50	mg/kg	50	2.15	88.9	75-125	2.75	40	
Barium	**128**	10	mg/kg	50	95.0	67.0	75-125	1.31	40	QM-4X

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Catalyst Environmental Solutions
Project No: NA
Project Name: Woodward - Duarte II

AA Project No: A967145
Date Received: 07/06/18
Date Reported: 07/23/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8G0928 - EPA 3050B										
Matrix Spike Dup (B8G0928-MSD1) Continued				**Source: 8G06009-04**		Prepared: 07/09/18	Analyzed: 07/10/18			
Beryllium	**46.1**	1.0	mg/kg	50	<1.0	92.3	75-125	1.42	40	
Cadmium	**39.0**	1.0	mg/kg	50	<1.0	78.0	75-125	2.41	40	
Chromium	**57.8**	3.0	mg/kg	50	11.9	91.9	75-125	0.603	40	
Cobalt	**50.9**	3.0	mg/kg	50	7.17	87.4	75-125	1.27	40	
Copper	**58.8**	3.0	mg/kg	50	7.03	104	75-125	9.66	40	
Lead	**48.0**	3.0	mg/kg	50	<3.0	96.0	75-125	8.42	40	
Molybdenum	**48.2**	5.0	mg/kg	50	<5.0	96.5	75-125	8.67	40	
Nickel	**52.4**	3.0	mg/kg	50	8.81	87.3	75-125	1.14	40	
Selenium	**37.6**	0.50	mg/kg	50	<0.50	75.3	75-125	7.94	40	
Silver	**48.5**	1.0	mg/kg	50	<1.0	97.0	75-125	3.36	40	
Thallium	**41.3**	5.0	mg/kg	50	<5.0	82.6	60-140	2.78	40	
Vanadium	**75.2**	10	mg/kg	50	27.4	95.7	75-125	0.0266	40	
Zinc	**72.2**	3.0	mg/kg	50	28.5	87.4	75-125	2.03	40	
Total Metals CAM 17 - Quality Control										
Batch B8G0926 - EPA 7471A Prep										
Blank (B8G0926-BLK1)					Prepared & Analyzed: 07/09/18					
Mercury	<0.020	0.020	mg/kg							
LCS (B8G0926-BS1)					Prepared & Analyzed: 07/09/18					
Mercury	**0.429**	0.020	mg/kg	0.50		85.8	80-120			
LCS Dup (B8G0926-BSD1)					Prepared & Analyzed: 07/09/18					
Mercury	**0.516**	0.020	mg/kg	0.50		103	80-120	18.4	25	
Duplicate (B8G0926-DUP1)				**Source: 8G06009-12**		Prepared & Analyzed: 07/09/18				
Mercury	**0.0810**	0.020	mg/kg		0.0720			11.8	25	
Matrix Spike (B8G0926-MS1)				**Source: 8G06009-04**		Prepared & Analyzed: 07/09/18				
Mercury	**0.516**	0.020	mg/kg	0.50	0.0945	84.2	75-125			
Matrix Spike Dup (B8G0926-MSD1)				**Source: 8G06009-04**		Prepared & Analyzed: 07/09/18				
Mercury	**0.550**	0.020	mg/kg	0.50	0.0945	91.0	75-125	6.38	25	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Catalyst Environmental Solutions	**AA Project No:**	A967145
Project No:	NA	**Date Received:**	07/06/18
Project Name:	Woodward - Duarte II	**Date Reported:**	07/23/18

Special Notes

[1] = ****** : Exceeds upper control limit.

[2] = ******* : Exceeds lower control limit.

[3] = **AA-C1** : Exceeds RPD control limit.

[4] = **QM-4X** : The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

[5] = **S-GC** : Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

Gasoline Range Organics (GRO) concentration represents the C4-C12 carbon range.

Viorel Vasile
Operations Manager

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Number of Pages 4
Date Received 07/18/2018
Date Reported 07/23/2018

Telephone: (818)998-5547
Attention: Viorel Vasile

Job Number	Order Date	Client
93297	07/18/2018	AA

Project ID: A967145/8G06009
Project Name: PO# SUB03591-A967145

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

AETL

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

93297

A.A. COC No.: 70051691

Client: AMERICAN ANALYTICS | Project Name / No.: A967145 / 8G06009 | Sampler's Name:

Project Manager: Viorel Vasile | Site Address: | Sampler's Signature:

Phone: | City: | P.O. No.: SUB03591-A967145

Fax: | State & Zip: | Quote No.:

TAT Turnaround Codes **

(1) = Same Day Rush
(2) = 24 Hour Rush
(3) = 48 Hour Rush
(4) = 72 Hour Rush
(5) = 5 Day Rush
X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	STLC Cr										Special Instructions
						Please enter the TAT Turnaround Codes ** below										
8G06009-01	93797.01	7/5/18	1630	Soil	1	X										
																Normal TAT
																Thank you

For Laboratory Use	Relinquished by	Date	Time	Received by
		07/18/18	0930	Jean Vande
	Relinquished by	Date	Time	Received by
A.A. Project No.:	Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

American Environmental Testing Laboratory Inc.
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COOLER RECEIPT FORM

Client Name: American Analytics

Project Name:

AETL Job Number: 93296 & 93297

Date Received: 07/18/18 Received by: Jean Claude

Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.1°C, No 2: _____, No 3: _____

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☒ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): _____

How are samples preserved: ☐ None, ☐ Ice, ☒ Blue Ice, ☐ Dry Ice
_ None, _ HNO_3, ☒ NaOH, _ ZnOAc, _ HCl, _ $Na_2S_2O_3$, _ MeOH
_ Other (Specify):

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	NA		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	NA		
11. Are the jars free of headspace?	✓		

Explain all "No" answers for above questions:

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Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Project ID: A967145/8G06009
Date Received 07/18/2018
Date Reported 07/23/2018

Telephone: (818)998-5547
Attention: Viorel Vasile

Job Number	Order Date	Client
93297	07/18/2018	AA

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 07/18/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
93297.01	8G06009-01	07/05/2018	Soil	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(6010B-STLC) ^ STLC-CR	07/25/2018	2	Normal	mg/L

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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ANALYTICAL RESULTS

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **2**

Project ID: A967145/8G06009
Project Name: PO# SUB03591-A967145

AETL Job Number	Submitted	Client
93297	07/18/2018	AA

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0720182C3

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			07/20/2018				
Preparation Method			TITLE 22				
Date Analyzed			07/23/2018				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
Analytes	MDL	PQL	**Results**				
Chromium (STLC)	0.03	0.05	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **3**

Project ID: A967145/8G06009
Project Name: PO# SUB03591-A967145

AETL Job Number	Submitted	Client
93297	07/18/2018	AA

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0720182C3

Our Lab I.D.			93297.01				
Client Sample I.D.			8G06009-01				
Date Sampled			07/05/2018				
Date Prepared			07/20/2018				
Preparation Method			TITLE 22				
Date Analyzed			07/23/2018				
Matrix			Soil				
Units			mg/L				
Dilution Factor			10				
Analytes	MDL	PQL	**Results**				
Chromium (STLC)	0.30	0.50	0.869				

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QUALITY CONTROL RESULTS

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **4**

Project ID: **A967145/8G06009**
Project Name: **PO# SUB03591-A967145**

AETL Job Number	Submitted	Client
93297	07/18/2018	AA

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 0720182C3; Dup or Spiked Sample: 93271.20; LCS: Clean Sand; LCS Prepared: 07/20/2018; LCS Analyzed: 07/23/2018; Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Chromium (STLC)	**ND**	**ND**	**<1**	**<20**						

QC Batch No: 0720182C3; Dup or Spiked Sample: 93271.20; LCS: Clean Sand; LCS Prepared: 07/20/2018; LCS Analyzed: 07/23/2018; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (STLC)	**10.0**	**10.2**	**102**	**10.0**	**10.1**	**101**	**<1**	**80-120**	**<15**	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 1C9134
70051804
Page 1 of 1

Client: Catalyst Environmental Sol.	Project Name / No.: Woodward - Duarte II	Sampler's Name: Justin Campbell
Project Manager: Justin Campbell	Site Address: 1700 Business Center Dr.	Sampler's Signature:
Phone: 805-444-2558	City: Duarte	P.O. No.:
Fax:	State & Zip: CA	Quote No.:

TAT Turnaround Codes **

(1) = Same Day Rush (4) = 72 Hour Rush
(2) = 24 Hour Rush (5) = 5 Day Rush
(3) = 48 Hour Rush X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPH-cc (8015M)	VOCs (8260B) (5035)	SVOCs	CAM Metals	PCBs	STLC Cr					Special Instructions
CSB3-6	5606009-01	7/5/18	10:30	S	4	X	X	X	X	X	(X)					Rush TAT requested on 7/9/18, as follows: TPHcc: Same-Day
CSB3-15	-02	7/5/18	11:30	S	4	X	X	X	X	X						VOCs: 48-hr
CSB4-10	-03	7/5/18	13:45	S	5	X	X	X	X	X						SVOCs: 48hr
CSB4-15	04	7/5/18	14:25	S	5	X	X	X	X	X						Metals: 72-hr
CSB2-5	05	7/5/18	15:30	S	5	X	X	X	X							PCBs: 72hr.
CSB2-15	06	7/5/18	16:20	S	5	X	X	X	X							
CSB5-5	07	7/6/18	08:00	S	5	X	X	X	X							
CSB5-15	08	7/6/18	08:50	S	5	X	X	X	X							
CSB6-6	09	7/6/18	10:15	S	5	X	X	X	X							
CSB6-15	10	7/6/18	10:45	S	5	X	X	X	X							(X): added on
CSB1-8	11	7/6/18	13:00	S	5	X	X	X	X							7/17/18, ...
CSB1-15	12	7/6/18	13:40	S	5	X	X	X	X							J.A. Beck

For Laboratory Use

REVIEWED
Date 7/9/18 Time 0800
TAT N Days Sign:

A.A. Project No.: A067145/5606009

Relinquished by	Date	Time	Received by
Relinquished by	7/6/18	345	Received by
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by

Figures



Tables



Appendix A

2011 Phase II Environmental Site Assessment Report



Appendix B

Los Angeles County Department of Public Health Soil Boring Permit

Appendix C

Subsurface Geophysical Survey Report



Appendix D

Soil Boring Logs



Appendix E

Laboratory Analytical Reports



APPENDIX G6
Asbestos Survey 1700 Business Center Drive

ASBESTOS INSPECTION REPORT
1700 BUSINESS CENTER DRIVE

Duarte, California

Prepared For:
Smiths Aerospace

Prepared By:

Shaw® Shaw Environmental, Inc.

3347 Michelson Drive, Suite 200
Irvine, California 92612

September 18, 2007

ASBESTOS INSPECTION REPORT
1700 BUSINESS CENTER DRIVE IN DUARTE, CALIFORNIA

The material and data were prepared under the supervision of the undersigned. This report was prepared consistent with current construction industry standards and environmental consulting principles and practices that are within the limitations provided herein.

Approved by: Date: September 18, 2007

Rick McKenna
DOSH Certified Asbestos Consultant #92-0683

Reviewed by: Date: September 18, 2007

David S. Martinez, CIH
Client Program Manager

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List of Appendices

Executive Summary

Smiths Aerospace retained Shaw Environmental, Inc. (Shaw) to conduct an assessment of suspect asbestos-containing materials (ACM) for their facility located at 1700 Business Center Drive in Duarte, California.

Mr. Rick McKenna, a State of California Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (Certificate No. 92-0683, expiration date February 18, 2008) with Shaw performed this assessment on August 31, 2007. Mr. McKenna collected 74 bulk samples of suspect Asbestos-Containing Materials (ACM) from 22 homogenous areas within the subject building. Mr. McKenna shipped the collected samples to AmeriSci to be analyzed for asbestos using Polarized Light Microscopy (PLM) in accordance with United States Environmental Protection Agency (USEPA) method EPA-600/R-93/116 (asbestos).

As presented in this report, results of our assessment indicate that asbestos were detected in the sampled building materials of the subject building. Results from the evaluation conducted for this building are outlined in this report.

Where asbestos is present in a building, action should be taken to minimize exposure of building occupants and maintenance employees to these materials. In addition, during renovations or demolitions, if any suspect ACM is found, additional sampling should be performed to determine if the materials contain asbestos. However, to control accidental release of fibers and to limit potential exposure of maintenance personnel to asbestos, an effective asbestos operations and maintenance (O&M) program should be implemented.

SCAQMD Rule 1403 is applicable to owners and operators of any demolition or renovation activity, and the associated disturbance of ACM, any asbestos storage facility, or any active waste site. It also specify work practice requirement for demolition and renovation activities including removal and associated disturbance of ACM.

A notification should be provided to all employees within 15 days of receipt of information identifying the presence or location of materials containing more than one percent of asbestos by weight, pursuant to California Health and Safety Code, Section 25915.

1.0 Introduction

Smiths Aerospace retained Shaw, to conduct an assessment of suspect asbestos-containing materials (ACM) for their facility located at 1700 Business Center Drive in Duarte, California. Mr. Rick McKenna, a State of California Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (Certificate No. 92-0683, expiration date February 18, 2008) performed the asbestos assessment on August 31, 2007.

This report provides details of the procedures and analytical methods that were used to perform the survey and sampling within the subject building.

2.0 Methodology

2.1 Asbestos Sampling Strategies

The suspect ACM was categorized into homogeneous areas. A homogeneous area is defined as an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

A sampling scheme was developed based upon the location and quantities of the various homogeneous areas. Bulk samples were collected by extracting a representative section of the selected material, placing in a sampling container and assigning a unique sampling number. Asbestos bulk samples were obtained in accordance with the USEPA established guidelines document, "Guidance for Controlling Asbestos-Containing Materials in Schools, Final Rule" (AHERA).

Appendix A presents the sample results for the suspect asbestos containing materials. Appendix C presents a sample location diagram.

2.2 Laboratory Analysis

The samples were placed into a sealed shipping container for delivery to AmeriSci for analysis by Polarized Light Microscopy (PLM), following the United State Environmental Protection Agency's (USEPA) PLM method EPA/600R-93/116 (July 1993) for determining asbestos in building materials. AmeriSci is located in Carson, California and is certified by the U. S. Department of Commerce's National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (Lab. No. 200346-0).

3.0 Results

Shaw collected 74 bulk samples of suspect Asbestos-Containing Materials (ACM) from 22 homogenous areas within the building located at 1700 Business Center Drive in Duarte, California. The suspect ACM materials sampled during this assessment include:

- Floor tile and associated mastic
- Mastic underlying baseboard
- Ceiling panels
- Ceiling tiles
- Mastic underlying ceiling tiles
- Gypsum board and joint compound
- Sprayed-applied acoustic ceiling material
- Pipe fitting insulation
- Plaster
- Texture coating applied on metal siding

As per Code of Federal Regulations 40 Part 763.87 "Analysis", a homogeneous area shall be determined to contain ACM based on a finding that the results of at least one sample collected from that area shows that asbestos is present in an amount greater than 1 percent. Based on our visual inspection and analytical results using PLM indicated the presence of asbestos in the following materials:

- 12"X12" cream / rust floor tile;
- Pipe fitting insulation (large pipes);
- Pipe fitting insulation (small pipes);
- Texture coating on exterior metal siding;
- Joint compound applied on gypsum board ;
- Sprayed-applied acoustic ceiling material;
- Roofing material under foam (presume asbestos-containing material),
- Cementitious pipe (transite).

The following table presents a summary of the suspect asbestos-containing materials identified in the subject building: ***(Analysis by PLM)***

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
01 Maintenance office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
02 Maintenance office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
03 Shipping / receiving office	12"X12" cream floor tile & tan mastic	NONE DETECTED	N/A	N/A
04 Shipping / receiving office	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
05 First aid	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
06 Break room	12"X12" gray floor tile and yellow mastic	NONE DETECTED	N/A	N/A
07 **Reproduction room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**400 Sq. Ft.**	**Good condition** **Maintain in place**
08 **Rep. Storage room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**same quantity as sample #07**	**Good condition** **Maintain in place**
09 **Gage room**	**12"X12" cream / rust floor tile & mastic**	**Tile- 2% Chrysotile** Mastic - NONE DETECTED	**same quantity as sample #07**	**Good condition** **Maintain in place**
10 Rep. Storage room	12"X12" tan floor tile and yellow mastic	NONE DETECTED	N/A	N/A
11 Women's rest-room	12"X12" tan floor tile	NONE DETECTED	N/A	N/A
12 Women's rest-room foyer	12"X12" tan floor tile	NONE DETECTED	N/A	N/A
13 Mezzanine - office	12"X12" white floor tile	NONE DETECTED	N/A	N/A
14 Mezzanine - office	12"X12" white floor tile	NONE DETECTED	N/A	N/A
15 Mezzanine - office	12"X12" white floor tile and yellow mastic	NONE DETECTED	N/A	N/A
16 Maintenance office	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
17 Break room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
18 Break room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
19 Office area – front	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
20 Office area – front	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
21 Office area - Mezzanine	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A

Abated 08

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
22 Reproduction room	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
23 Mezzanine offices	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
24 Conference room – Repo.	2'X4' ceiling panel Fischer pattern	NONE DETECTED	N/A	N/A
25 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
26 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
27 Conference room	2'X2' ceiling panel	NONE DETECTED	N/A	N/A
28 Screening room #2	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
29 Computer room	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
30 Hallway by computer room	Dark brown ceiling tile mastic	NONE DETECTED	N/A	N/A
31 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
32 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
33 Corridor by production grind	12"X12" ceiling tile	NONE DETECTED	N/A	N/A
34 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
35 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
36 Corridor by production grind	Dark brown mastic underlying ceiling tile	NONE DETECTED	N/A	N/A
37 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
38 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
39 By mezzanine fan room	**Pipe fitting insulation – large pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
40 By mezzanine fan room	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
41 Mezzanine storage	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**
42 Ceiling plenum	**Pipe fitting insulation – small pipe**	**4% Chrysotile**	**Throughout - not quantified**	**Good condition Maintain in place**

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
43 Exterior – south side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
44 Exterior – west side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
45 Roof – north side	**Texture coating on metal siding**	**13% Chrysotile**	**Roof & exterior not quantified**	**Good condition Maintain in place**
46 Break room	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
47 Fab. offices	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
48 Outside Fab. offices	Gypsum board & joint compound	NONE DETECTED	N/A	N/A
49 Maintenance office	**Gypsum board & joint compound**	Gypsum – NONE DETECTED **Joint compound - 2% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
50 Maintenance office	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound – <1% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
51 Outside maintenance office	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound – <1% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
52 Mezzanine	Gypsum board & joint compound	NONE DETECTED	Throughout not quantified	Good condition Maintain in place
53 Mezzanine	Gypsum board & joint compound	NONE DETECTED	Throughout not quantified	Good condition Maintain in place
54 Mezzanine	**Gypsum board & joint compound**	Drywall – NONE DETECTED **Joint compound - 2% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
55 Mezzanine – rep. storage room	**Dark brown baseboard mastic & joint compound**	Baseboard & mastic– NONE DETECTED **Joint compound – 3% Chrysotile**	**Throughout not quantified**	**Good condition Maintain in place**
56 Offices by production test	Dark brown baseboard & mastic	NONE DETECTED	N/A	N/A
57 Offices – north side	Dark brown baseboard & mastic	NONE DETECTED	N/A	N/A

Table (continued)

Sample # & Location	Material Description	Results & Type Asbestos	Quantity *	Material Condition & Recommendations
58 Northwest stairwell	**Spray-applied acoustic ceiling material**	**4% Chrysotile**	**1,500 Sq. Ft.**	**Good condition Maintain in place**
59 Northeast stairwell	**Spray-applied acoustic ceiling material**	**3% Chrysotile**	**same quantity as sample #58**	**Good condition Maintain in place**
60 Offices – northwest corner	**Spray-applied acoustic ceiling material**	**3% Chrysotile**	**same quantity as sample #58**	**Good condition Maintain in place**
61 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
62 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
63 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
64 Mezzanine – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
65 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
66 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
67 Roof – chiller room	Plaster – sand finish	NONE DETECTED	N/A	N/A
68 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
69 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
70 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
71 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
72 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
73 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
74 Office area – north side	Plaster – smooth finish	NONE DETECTED	N/A	N/A
PACM Roof	**Roofing material under foam**	**Assumed ACM**	**Throughout not quantified**	**Good condition Maintain in place**
PACM Roof	**Cementitious pipe**	**Assumed ACM**	**Not quantified**	**Good condition Maintain in place**

3.1 Materials not sampled

- Fiberglass and rubber insulation were not sampled;
- Cementitious pipes (transite);
- Roofing materials under foam;

Destructive sampling was not performed and samples were not collected from inaccessible areas (i.e. locked rooms, pipe chases, wall cavities, fire doors, buried pipes or equipment, gaskets, electrical wiring and equipment, etc.).

4.0 Conclusions and Recommendations

As presented in Section 3 results of our assessment indicate that asbestos is present in some materials in the building and were in good condition at the time of inspection. As a result, the utmost care should be taken to avoid any disturbance or damages to ACM where present in the facility in order to prevent fiber release and minimize exposure of building occupants and maintenance employees to asbestos fibers.

The TSI has been abated in the mechanical rooms where there is significant vibration and noise. The only TSI remaining is in areas that are out of reach of personnel and should remain in good condition, since there is a low likelihood for disturbance. However, to control accidental release of fibers and to limit potential exposure of maintenance personnel to asbestos, an effective asbestos operations and maintenance (O&M) program should be implemented.

As result of this investigation, any ACM or presumed ACM identified in this assessment that will be impacted by renovation or demolition activities must be removed prior to other construction activities taking place. These materials should be removed in accordance with federal, state and local regulatory requirements.

SCAQMD Rule 1403 is applicable to owners and operators of any demolition or renovation activity, and the associated disturbance of ACM, any asbestos storage facility, or any active waste site. It also specify work practice requirement for demolition and renovation activities including removal and associated disturbance of ACM.

A notification should be provided to all employees within 15 days of receipt of information identifying the presence or location of materials containing more than one percent of asbestos by weight, pursuant to California Health and Safety Code, Section 25915.

During renovation or demolition operations, materials may be uncovered that are different from those accessible for sampling during this evaluation. Personnel in charge of renovation or demolition should be alerted to note materials uncovered during these operations that differ substantially from those included in this evaluation. If suspect ACM is found, additional sampling should be performed to determine if the materials contain asbestos or lead.

5.0 References

Occupational Safety and Health Administration, General Industry Standard, Asbestos, 29 CFR 1926.1101.

Occupational Safety and Health Administration, General Industry Standard, Asbestos, 29 CFR 1910.1001.

U.S. Environmental Protection Agency. 1985. Guidance for Controlling Asbestos-Containing Materials in Buildings, 560/5-85-024, June.

U.S. Environmental Protection Agency, National Emission Standard for Hazardous Air Pollutants 40 CFR Parts 61, Subpart M.

U.S. Environmental Protection Agency, Asbestos-Containing Materials in Schools 40 CFR Part 76.

6.0 Limitations

The statements, opinions and conclusions contained in this report are based solely upon the services performed by Shaw as described in this report and the Scope of Work as established for the report by Smiths Aerospace's budgetary and time constraints and the terms and conditions of the agreement with Smiths Aerospace. In performing these services and preparing the report, Shaw relied upon the work and information provided by others, including public agencies, whose information is not guaranteed by Shaw. In addition, Smiths Aerospace has been advised and understands that the absence of contamination in one location does not necessarily preclude the finding of contamination in other locations that were not investigated in preparing this report. This report is intended for Smiths Aerospace's sole and exclusive use and not for the benefit of others and may not be used or relied upon by others. The findings of the report are limited to those specifically expressed in the report and no other representations or warranties are given by Shaw and no additional conclusions should be reached or representations relied on other than those expressly stated in the report and as limited by the previously agreed upon terms and conditions for this project.

APPENDIX A
LABORATORY ANALYSIS RESULTS AND CHAIN OF CUSTODY FORMS

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Shaw Environmental &
Infrastructure, Inc.
Attn: Seyed Miri
3347 Michelson Drive
Suite 200
Irvine, CA 92612-1692

Date Received 09/04/07
Date Examined 09/05/07

AmeriSci Job No. 907091012
P.O. # GE Aviation
Page 1 **of** 18

RE GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01	907091012-01L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
01	907091012-01L2	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
02	907091012-02L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
02	907091012-02L2	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
03	907091012-03L1	*No*	NAD
01	**Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Ship / Rec. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
03 01	907091012-03L2 **Location:** 12" X 12" Cream Floor Tile & Tan Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
04 02	907091012-04L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
04 02	907091012-04L2 **Location:** 12" X 12" Gray Floor Tile & Mastic / Ship / Rec. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
05 02	907091012-05L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / First Aid	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
05 02	907091012-05L2 **Location:** 12" X 12" Gray Floor Tile & Mastic / First Aid	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
06 02	907091012-06L1 **Location:** 12" X 12" Gray Floor Tile & Mastic / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Grey, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
06	907091012-06L2	*No*	NAD
02	**Location:** 12" X 12" Gray Floor Tile & Mastic / Break Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
07	907091012-07L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Reproduction Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
07	907091012-07L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Reproduction Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
08	907091012-08L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
08	907091012-08L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
09	907091012-09L1	*Yes*	2 %
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Gage Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09	907091012-09L2	*No*	NAD
03	**Location:** 12" X 12" Cream / Rust Floor Tile & Mastic / Gage Room		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastics		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
10	907091012-10L1	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Mezzanine - Rep. Storage Rm		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Tan, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
10	907091012-10L2	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Mezzanine - Rep. Storage Rm		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Yellow, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
11	907091012-11	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Wom. RR		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
	Comment: No mastic		
12	907091012-12	*No*	NAD
04	**Location:** 12" X12" Tan Floor Tile & Mastic / Wom. RR Foyer		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige, Homogeneous, Non-Fibrous, Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
	Comment: No mastic		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
13 05	907091012-13 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %
Comment: No Mastic

14 05	907091012-14 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %
Comment: No mastic

15 05	907091012-15L1 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Off-White, Homogeneous, Non-Fibrous, Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100 %

15 05	907091012-15L2 **Location:** 12" X 12" White Floor Tile & Mastic / Mezzanine - Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Yellow, Heterogeneous, Non-Fibrous, Mastic
Asbestos Types:
Other Material: Non-fibrous 100 %

16 06	907091012-16 **Location:** 2' X 4' Ceiling Panels Tran. Fischer Pat. / Maint. Office	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile
Asbestos Types:
Other Material: Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
17 06	907091012-17 **Location:** 2' X 4' Ceiling Panels Random Fishcher Pat. / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %		
18 06	907091012-18 **Location:** 2' X 4' Ceiling Panels Random Fishcher Pat. / Break Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 23 %, Fibrous glass 13 %, Non-fibrous 64 %		
19 07	907091012-19 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Front	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
20 07	907091012-20 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Front	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
21 07	907091012-21 **Location:** 2' X 7' Ceiling Panels Random Fischer Pat. / Office Area - Mezzanine	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		
22 08	907091012-22 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Reproduction Room	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
23 08	907091012-23 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Mezz. Offices (Hallway)	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %			
24 08	907091012-24 **Location:** 2' X 4' Ceiling Panel - Tran Patterson / Cont. Rm - Bn Repo Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 4 %, Non-fibrous 56 %			
25 09	907091012-25 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
26 09	907091012-26 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
27 09	907091012-27 **Location:** 2' X 2' Ceiling Panels / Conf Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Off-White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Fibrous glass 55 %, Non-fibrous 45 %			
28 10	907091012-28 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - By Repo Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
29 10	907091012-29 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - By Productio Test **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
30 10	907091012-30 **Location:** Ceiling Tile Mastic (12" X 12" Tile) (Smooth Tile) / Corriodor - Shipping Office **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
31 11	907091012-31 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
32 11	907091012-32 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
33 11	907091012-33 **Location:** 12" X 12" Ceiling Tile (Textured) / Corridor - By Prod. Grind **Description:** Beige/White, Heterogeneous, Fibrous, Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 30 %, Fibrous glass 13 %, Non-fibrous 57 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
34 12	907091012-34 **Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind **Description:** Dark Brown, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
35	907091012-35	*No*	NAD
12	**Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
36	907091012-36	*No*	NAD
12	**Location:** Ceiling Tile Mastic (Under Text. 12" X 12" Tile) / Corridor - By Prod Srind		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
37	907091012-37	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
38	907091012-38	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
39	907091012-39	*Yes*	4 %
13	**Location:** Pipe Fitting Insulation - Lg. Pipes / By Mezz. Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
40	907091012-40	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes / By Mezz Fan Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
41	907091012-41	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes /Mezzanine Storage		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
42	907091012-42	*Yes*	4 %
14	**Location:** Pipe Fitting Insulation - Sm. Pipes / Ceiling Plenum		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Insulation		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Fibrous glass 6 %, Non-fibrous 90 %		
43	907091012-43	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Exterior - South Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
44	907091012-44	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Exterior - West Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
45	907091012-45	*Yes*	13 %
15	**Location:** Texture Coat On Metal Siding / Roof - North Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black/Beige, Heterogeneous, Fibrous, Texture Coat		
	Asbestos Types: Chrysotile 13.0 %		
	Other Material: Non-fibrous 87 %		
46	907091012-46.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Ceiling / Breakroom		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 13 %, Fibrous glass Trace, Non-fibrous 87 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
46	907091012-46.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Ceiling / Breakroom		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
47	907091012-47.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 31 %, Fibrous glass Trace, Non-fibrous 69 %		
47	907091012-47.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
48	907091012-48.1	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Outside Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 6 %, Fibrous glass Trace, Non-fibrous 94 %		
48	907091012-48.2	*No*	NAD
16	**Location:** Drywall & Joint Compound Walls / Outside Fab Offices		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
49	907091012-49.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Ceiling / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape		
	Asbestos Types:		
	Other Material: Cellulose 2 %, Non-fibrous 98 %		

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PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
49	907091012-49.2	*Yes*	2 %
17	**Location:** Drywall & Joint Compound Walls / Ceiling / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
50	907091012-50.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Drywall & Joint Compound Walls / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 1 %, Non-fibrous 99 %		
50	907091012-50.2	*Yes*	Trace (<1 %)
17	**Location:** Drywall & Joint Compound Walls / Drywall & Joint Compound Walls / Maint. Office (NC)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile <1. %		
	Other Material: Non-fibrous 100 %		
51	907091012-51.1	*No*	NAD
17	**Location:** Drywall & Joint Compound Walls / Outside Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Non-fibrous 96 %		
51	907091012-51.2	*Yes*	Trace (<1 %)
17	**Location:** Drywall & Joint Compound Walls / Outside Maint. Office		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile <1. %		
	Other Material: Non-fibrous 100 %		
52	907091012-52.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
52	907091012-52.2	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
53	907091012-53.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %		
53	907091012-53.2	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
54	907091012-54.1	*No*	NAD
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White/Brown, Heterogeneous, Fibrous, Drywall		
	Asbestos Types:		
	Other Material: Cellulose 23 %, Non-fibrous 77 %		
54	907091012-54.2	*Yes*	2 %
18	**Location:** Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Joint Compound		
	Asbestos Types: Chrysotile 2.0 %		
	Other Material: Non-fibrous 98 %		
55	907091012-55L1	*No*	NAD
19	**Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
55 19	907091012-55L2 **Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
55 19	907091012-55L3 **Location:** Bown Baseboard Mastic / Mezzanine - Rep. Storage Rm.	*Yes*	3 % (by CVES) by Arturo A. Aldana on 09/05/07
	Description: White, Heterogeneous, Non-Fibrous, Underlayment **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %		
56 19	907091012-56L1 **Location:** Bown Baseboard Mastic / Office - By Prop. Test	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
56 19	907091012-56L2 **Location:** Bown Baseboard Mastic / Office - By Prop. Test	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
57 19	907091012-57L1 **Location:** Bown Baseboard Mastic / Offices - North Side	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Baseboard **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
57 19	907091012-57L2 **Location:** Bown Baseboard Mastic / Offices - North Side	*No*	NAD (by CVES) by Arturo A. Aldana on 09/05/07
	Description: Dark Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
58	907091012-58	*Yes*	4 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / NW Stairwell		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 4.0 %		
	Other Material: Non-fibrous 96 %		
59	907091012-59	*Yes*	3 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / NW Stairwell		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		
60	907091012-60	*Yes*	3 %
20	**Location:** Spray - Applied Acoustic Ceiling Material / Offices - NW Corner		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Fibrous, Acoustical Texturing		
	Asbestos Types: Chrysotile 3.0 %		
	Other Material: Non-fibrous 97 %		
61	907091012-61	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
62	907091012-62L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
62	907091012-62L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
63	907091012-63L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
63	907091012-63L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Mezz. Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
64	907091012-64L1	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
64	907091012-64L2	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Black, Heterogeneous, Non-Fibrous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
65	907091012-65	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
66	907091012-66	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Sand Finish) / Roof Chiller Rm.		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
67	907091012-67	*No*	NAD
21	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Off-White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
68	907091012-68	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
69	907091012-69	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
70	907091012-70	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
71	907091012-71	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
72	907091012-72	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
73	907091012-73	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		
74	907091012-74	*No*	NAD
22	**Location:** Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side		(by CVES) by Arturo A. Aldana on 09/05/07
	Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster		
	Asbestos Types:		
	Other Material: Non-fibrous 100 %		

Reporting Notes:

Analyzed By: Arturo A. Aldana LAN FOR Arturo Aldana Date Analyzed: 9/5/2007 9/5/2007

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: 9/5/2007

9070 1012

SHAW Environmental & Infrastructure

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s):	RICK MCKENNA Pg 1 OF 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
01	01	12"x12" CREAM FLOOR TILE +	MAINT. OFFICE			N	G
02	↓	↓ TAN MASTIC	"	↓		↓	↓
03	↓	↓	SHIP/REC. OFFICE	↓		↓	↓
04	02	12"x12" GRAY FLOOR TILE +	SHIP/REC. OFFICE			N	G
05	↓	↓ MASTIC	FIRST AID	↓		↓	↓
06	↓	↓	BREAK ROOM	↓		↓	↓
07	03	12"x12" CREAM/RUST FLOOR TILE +	REPRODUCTION ROOM			N	G
08	↓	↓ MASTIC	REP. STORAGE RM	↓		↓	↓
09	↓	↓	GAGE ROOM	↓		↓	↓
10	04	12"x12" TAN FLOOR TILE +	MEZZANINE - REP. STORAGE RM			N	G
11	↓	↓ MASTIC	WOM. RR	↓		↓	↓
12	↓	↓	WOM. RR FOYER	↓		↓	↓
13	05	12"x12" WHITE FLOOR TILE +	MEZZANINE - OFFICE			N	G
14	↓	↓ MASTIC	↓ ↓	↓		↓	↓
15	↓	↓	↓ ↓	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Rec'd By [signature] 9/4/07 1010

SHAW Environmental & Infrastructure

9070910 12

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR DR, DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA PAGE OF 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
16	06	2'X4' CEILING PANELS.	MAINT. OFFICE	UNDET.		F	G
17	↓	↓ TRAN. FISCHER PAT.	BREAK ROOM	↓		↓	↓
18	↓	↓		↓		↓	↓
19	07	2'X4' CEILING PANELS	OFFICE AREA - FRONT	UNDET.		F	G
20	↓	↓ RANDOM FISCHER PAT.	↓ - "	↓		↓	↓
21	↓	↓	↓ - MEZZANINE	↓		↓	↓
22	08	2'X4' CEILING PANELS	REPRODUCTION ROOM	UNDET.		F	G
23	↓	↓ -TRAN. PATTERN	MEZZ. OFFICES (HALLWAY)	↓		↓	↓
24	↓	↓	CONF. RM - BY REPRO RM	↓		↓	↓
25	09	2'X2' CEILING PANELS	CONF. RM	UNDET.		F	G
26	↓	↓	↓	↓		↓	↓
27	↓	↓	↓	↓		↓	↓
28	10	CEILING TILE MASTIC (12"X12" TILE)	CORRIDOR - BY REPRO RM.	UNDET.		N	G
29	↓	↓ (SMOOTH TILE)	CORRIDOR - BY PRODUCTION TEST	↓		↓	↓
30	↓	↓	SHIPPING OFFICE	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Read By [signature] 9/4/07 1010

SHAW Environmental & Infrastructure

9070 1012

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUSINESS CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA Pg 3 of 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
31	11	12"x12" CEILING TILE (TEXTURED)	CORRIDOR - BY PROD. GRIND	UNDET.		F	G
32	↓	↓	↓	↓		↓	↓
33	↓	↓	↓	↓		↓	↓
34	12	CEILING TILE MASTIC (UNDER	CORRIDOR - BY PROD GRIND	UNDET.		N	G
35	↓	TEXT. 12"x12" TILE)	↓	↓		↓	↓
36	↓	↓	↓	↓		↓	↓
37	13	PIPE FITTING INSULATION	BY MEZZ. FAN RM	UNDET.		F	G
38	↓	- LG PIPES	↓	↓		↓	↓
39	↓	↓	↓	↓		↓	↓
40	14	PIPE FITTING INSULATION	BY MEZZ FAN RM	UNDET.		F	G
41	↓	- SM. PIPES	MEZZANINE STORAGE	↓		↓	↓
42	↓	↓	CEILING PLENUM	↓		↓	↓
43	15	TEXTURE COAT ON METAL	EXTERIOR SOUTHSIDE	UNDET.		N	G
44	↓	SIDING	↓ - WEST SIDE	↓		↓	↓
45	↓	↓	ROOF - NORTHSIDE	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Read By [illegible] 9/4/07 1010

SHAW Environmental & Infrastructure

Date:	08/31/09
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA PG 4 OF 5

9070 1012

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
46	16	DRYWALL + JOINT COMPOUND	BREAKROOM	UNDET.		N	G
47	↓	WALLS / CEILINGS	FAB. OFFICES	↓		↓	↓
48	↓	↓	OUTSIDE FAB OFFICES	↓		↓	↓
49	17	DRYWALL + JOINT COMPOUND	MAINT. OFFICE (NC)	UNDET.		N	G
50	↓	WALLS / CEILINGS	↓	↓		↓	↓
51	↓	↓	OUTSIDE MAINT OFFICE	↓		↓	↓
52	18	DRYWALL + JOINT COMPOUND	MEZZANINE (ABOVE REP. RM)	UNDET.		N	G
53	↓	WALLS / CEILINGS	↓	↓		↓	↓
54	↓	↓	↓	↓		↓	↓
55	19	BROWN BASEBOARD MASTIC	MEZZANINE - REP. STORAGE RM	UNDET.		N	G
56	↓	↓	OFFICE - BY PROP. TEST.	↓		↓	↓
57	↓	↓	OFFICES - NORTH SIDE	↓		↓	↓
58	20	SPRAY-APPLIED ACOUSTIC	NW STAIRWELL			F	G
59	↓	CEILING MATERIAL	NE STAIRWELL	↓		↓	↓
60	↓	↓	OFFICES - NW CORNER	↓		↓	↓

NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Rec'd By B Fuller 9/4/09 1010

SHAW Environmental & Infrastructure

9070 1012

Date:	08/31/07
Client:	GE AVIATION
Site:	1700 BUS. CTR. DR., DUARTE, CA
Project No.:	
Inspector(s)	RICK MCKENNA Pg 5 of 5

ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
61	21	PLASTER WALLS & CEILINGS	MEZZ. CHILLER RM	UNDET.		N	G
62		(SAND FINISH)					
63							
64							
65			ROOF CHILLER RM				
66							
67							
68	22	PLASTER WALLS & CEILINGS	OFFICE AREA - N.S. DE	UNDET.		N	G
69		(SMOOTH FINISH)					
70							
71							
72							
73							
74							

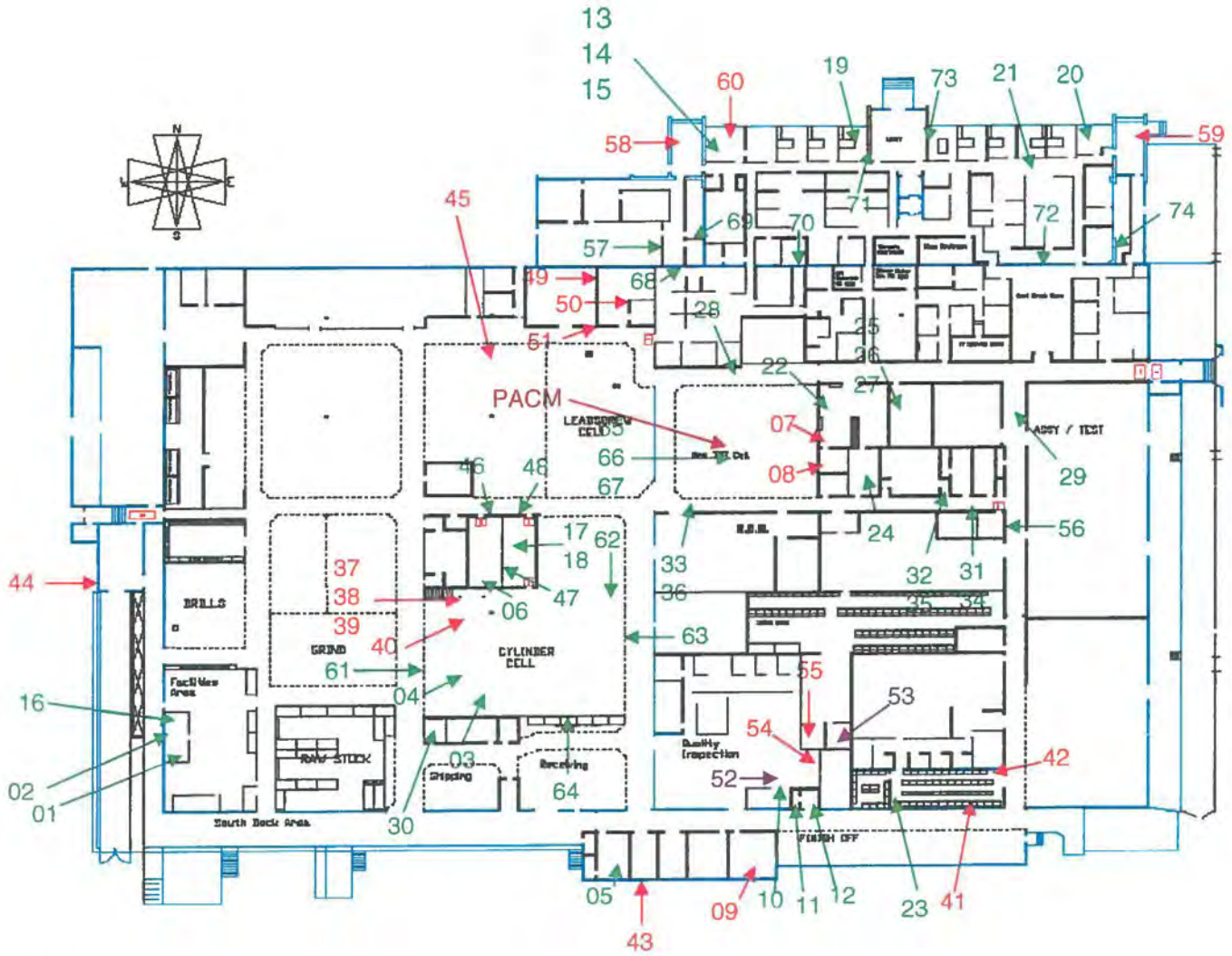
NA = Not Analyzed
ND = Not Detected
N = Negative

Friable: Friability Codes: N = Non-friable; F = Friable
Cond.: Condition Codes: G = Good; F = Fair; P = Poor

Recd By B Hallen 9/4/07 1010

APPENDIX B

SAMPLE LOCATION DIAGRAM



Legends:

— No asbestos was detected

— Asbestos was detected

— Asbestos was detected in at lea one sample of homogenous are

— Presumed asbestos-containing Materials (PACM)

Not to scale

Sample Location Diagram

APPENDIX C

GLOSSARY OF ASBESTOS REGULATORY TERMS

GLOSSARY

AIHA: American Industrial Hygiene Association.

Asbestos: Any hydrated mineral silicate separable into commercially usable fibers, including, but not limited to, Chrysotile, Amosite, Crocidolite, Tremolite, Anthophylite, and Actinolite.

Asbestos Abatement: Procedures to control fiber release from asbestos-containing materials. Includes removal, encapsulation, enclosure, repair, demolition, and renovation activities.

Asbestos Abatement Contractor: An individual and/or business properly licensed and certified to perform asbestos abatement. The contractor is responsible for the proper completion of project activities in accordance with Federal, State, and local regulations.

Asbestos-Containing Building Material (ACBM): Material composed of asbestos of any type in an amount greater than 1 percent by weight, either alone or mixed with other fibrous or non-fibrous materials.

Asbestos Hazard Emergency Response Act (AHERA): An EPA regulation published in the October 30, 1987, Federal Register covering asbestos-containing materials in schools.

Asbestos Survey: The inspection of a building or portion of a building for the determination of the location of all ACBM present. An asbestos survey usually includes the collection of bulk samples for analysis by a laboratory.

Bulk Material Sample: A representative sample of a material or paint collected by an inspector for asbestos analysis.

Condition Assessment: The determination of a material's overall condition and potential risk. The following information is typically included in an assessment: a description of any physical damage, water damage, delamination etc.; degree of accessibility of the material; degree of activity near the material; and location in or near an air plenum or other HVAC equipment.

Demolition: he tearing down, wrecking, or taking out portions of all of a facility.

Destructive Surveying: The limited exploratory demolition of chases, walls, ceiling cavities, etc., for the purposes of identifying all previously hidden and inaccessible ACBM/LBP in an area.

Deterioration: The condition of ACBM in which the integrity of the material worsens. Deterioration includes physical damage, water damage, air erosion, and delamination of a material.

EPA: United States Environmental Protection Agency.

Exploratory Demolition: The limited demolition of walls, chases, building components, etc., for the purposes of inspecting an area which was previously inaccessible. Demolition is usually only to the extent necessary to provide an opening for visual inspection.

Friable Asbestos: ACBM that, when dry, may be easily crumbled, pulverized, or reduced to powder by hand pressure; includes previously non-friable material after it becomes damaged to the extent that when dry, it may be crumbled, pulverized, or reduced to powder by hand pressure.

HEPA Filter: A high-efficiency particulate air filter capable of removing particles 0.3 microns or larger in diameter with 99.97 percent efficiency.

HEPA Vacuum: A vacuum system equipped with HEPA filtration.

Homogeneous Areas/Materials: Areas or material types, which are uniform in texture, color, and function and which appear to be identified in all other respects.

Inaccessible Areas: All areas that cannot be reached without first removing major components, including walls, ceilings, and flooring, in order to access the ACBM or LBP located in those areas.

Miscellaneous Material: Any suspect asbestos-containing material on structural components, structural members, or fixtures, such as floor and ceiling tiles, mastics, transite, etc.; does not include surfacing material or thermal system insulation.

Non-Friable Asbestos: ACBM that, when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.

NOB: Non-Friable organically bound material such as floor tile, mastics, roofing materials, etc.

NVLAP: National Voluntary Laboratory Accreditation Program.

OSHA: Occupational Safety and Health Administration.

Personal Protective Equipment: Includes items such as HEPA filtered respirators, disposal protective clothing, gloves, boots, etc.

Phase Contrast Microscopy (PCM): Optical analytical method for determining fiber concentrations in air. Does not distinguish among asbestos and other fibers.

Polarized Light Microscopy (PLM): An optical method used to analyze bulk or wipe samples that utilizes polarized light and dispersion staining.

Quantification: A means of estimating the amounts of ACBM in an area, and usually reported as square feet, linear feet, or number of units. Quantification is typically performed in the field, but in some cases can be performed by estimating from scaled drawings (e.g., quantities of floor covering can be estimated readily from scaled drawings where certain pipe fittings and insulation are more readily estimated in the field).

Renovation: Altering in any way one or more facility components.

Substrate Material: Refers to the underlying material or components to which the ACBM is attached (e.g., wood windows, metal doors, concrete floors, steel beams, etc.).

Surfacing Material: Any material that a sprayed on, troweled on, or otherwise applied to surfaces for acoustical, fireproofing, decorative, or other purposes.

Suspect Asbestos-Containing Material: Any material, which is, suspect for containing asbestos and which must be sampled to determine asbestos content, if any. Appendix G of the EPA Guidance Document 20T-2003 ("Green Book") contains a partial list of all suspect ACBM. Some common materials, which are, suspect ACBM include plaster, pipe insulation, floor tile, etc. Materials, which are not considered suspect, include fiberglass, wood, plastic, etc.

Thermal System Insulation (TSI): Any material applied to pipes, fittings, boilers, breaching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Transmission Electron Microscopy (TEM): Analytical method utilizing an electron microscope for the purposes of identifying and analyzing the concentration of airborne or bulk asbestos fibers and structures, if any. The TEM method distinguishes among asbestos and other materials and can detect smaller asbestos fibers than does the PCM or PLM method.

Visible Suspect ACBM Debris: Any debris, which contains either, asbestos containing or suspect ACBM particulate material that is visually detectable without the aid of instruments.