

## 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<sup>™</sup> Report with GeoCheck®



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

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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

Proposed NPL\_\_\_\_\_ Proposed National Priority List Sites NPL LIENS\_\_\_\_\_ Federal Superfund Liens

### Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

### Federal CERCLIS list

### Federal 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

Torres Martinez Reservation Illegal Dump Site Locations
Open Dump Inventory
Waste Management Unit Database
Recycler Database
Registered Waste Tire Haulers Listing
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
	Department of 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.

### 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
<b>CITY OF DUARTE</b> 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 (FORMERLY) PIONEER ELECTRONICS	1700 BUSINESS CENTER DR 1801 S HIGHLAND AVE	<b>0 - 1/8 (0.000 mi.)</b> 0 - 1/8 (0.001 mi.)	<b>6</b> C8	<b>17</b> 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	<b>0 - 1/8 (0.000 mi.)</b>	<b>6</b>	<b>17</b>
PIONEER ELECTRONICS	1801 S HIGHLAND AVE	<b>0 - 1/8 (0.001 mi.)</b>	<b>C9</b>	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
<b>CITY OF HOPE MEDICAL CENTER</b>	<b>1500 E DUARTE RD</b>	<b>WSW 0 - 1/8 (0.061 mi.)</b>	<b>21</b>	<b>42</b>
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

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

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

#### Site Name

SIAM MINH MOBIL STATION PECK ROAD GRAVEL PIT (ENGINEERED F DUARTE CITY LANDFILL (FISH CANYON CITY OF SAN MARINO - DUMP NU-WAY INDUSTRIES, INC SIMPSON CO FORMER SOUTHLAND CORPORATION METRO GOLD LINE FOOTHILL EXTENSION BROTHERS #1 EXXON SERVICE STATION

DUARTE HIGH SCHOOL DUARTE HIGH SCHOOL DUARTE HIGH SCHOOL NAVAL AIR WEAPONS STATION HEALTH VALLEY FOODS CHEVRON USA STATION #5098 CUSTOMATION IND ARTS ARTISIA STATION, FLASHERS AND BELL HANES GENERATING STATION NONE NEXT PORT OF CALL IS LONG BEACH WI UNION STATION FORMER LERNER'S SERVICE STATION BOCK MACHINE INC. VAN ASCH INC. DUARTE COM SERV DIST (DEST) DUARTE JACONSON FAMILY HOLDING

Database(s)

HIST CORTESE SWF/LF, NPDES, LDS LDS SWF/LF SWF/LF, LOS ANGELES CO. HMS SWF/LF LUST VCP, ENVIROSTOR HIST UST HIST UST AST HAZNET HAZNET HAZNET HAZNET RCRA-SQG, FINDS, WIP, HAZNET HAZNET RCRA-SQG, FINDS ERNS ERNS ERNS ERNS US BROWNFIELDS, FINDS WIP WIP LOS ANGELES CO. HMS LOS ANGELES CO. HMS

**OVERVIEW MAP - 3599441.2s** 



SITE NAME: Duarte Station Specific Plan ADDRESS: Multiple Addresses Duarte CA 91010 LAT/LONG: 34.1336 / 117.9687	CLIENT:RBF ConsultingCONTACT:Kristen BogueINQUIRY #:3599441.2sDATE:May 07, 2013 4:23 pm

**DETAIL MAP - 3599441.2s** 



Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONME	NTAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL s	ite list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFR	AP site List							
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRA	CTS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CO	RRACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generate	ors list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		2 8 1	0 2 0	NR NR NR	NR NR NR	NR NR NR	2 10 1
Federal institutional co engineering controls re	ontrols / egistries							
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiv	alent NPL							
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiv	alent CERCLIS	5						
ENVIROSTOR	1.000		1	0	0	3	NR	4
State and tribal landfill solid waste disposal si	and/or te lists							
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	lists						
LUST	0.500		0	0	4	NR	NR	4

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal register	ed storage tai	nk lists						
UST AST INDIAN UST FEMA UST	0.250 0.250 0.250 0.250		1 1 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	1 1 0 0
State and tribal voluntar	y cleanup sit	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMEN	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
DEBRIS REGION 9 ODI WMUDS/SWAT SWRCY HAULERS INDIAN ODI	0.500 0.500 0.500 0.500 TP 0.500		0 0 0 NR 0	0 0 0 NR 0	0 0 0 NR 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US CDL HIST Cal-Sites SCH Toxic Pits AOCONCERN CDL US HIST CDL	TP 1.000 0.250 1.000 1.000 TP TP		NR 0 0 0 NR NR	NR 0 0 0 NR NR	NR 0 NR 0 NR NR	NR 0 NR 0 NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registere	d Storage Tai	nks						
CA FID UST HIST UST SWEEPS UST	0.250 0.250 0.250		3 5 3	0 1 2	NR NR NR	NR NR NR	NR NR NR	3 6 5
Local Land Records								
LIENS 2 LIENS DEED	TP TP 0.500		NR NR 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0
Records of Emergency	Release Repo	orts						
HMIRS CHMIRS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	Õ
SPILLS 90	TP		NR	NR	NR	NR	NR	Õ
Other Ascertainable Rec	ords							· ·
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	Ō
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		Ō	Ō	Ō	Ō	NR	Ō
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		Ō	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	Ō
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
USAIRS	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
HWI	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

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 MWMP PCB TRANSFORMER PROC	TP 0.250 TP 0.500		NR 0 NR 0	NR 0 NR 0	NR NR NR 0	NR NR NR NR	NR NR NR NR	0 0 0 0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP EDR US Hist Auto Stat EDR US Hist Cleaners	1.000 0.250 0.250		0 1 1	0 0 0	0 NR NR	0 NR NR	NR NR NR	0 1 1

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

$\bigcirc$	A1 < 1/8	HYDRAULIC UNITS, INC 1700 BUSINESS CENTEI DUARTE, CA 91010	R DR		NPDES HIST UST ENVIROSTOR	U001566475 N/A
	1 ft.	Site 1 of 3 in cluster A				
	Relative: Higher	NPDES: Npdes Number: Facility Status:		CAS000001 Active		
	Actual:	Agency Id:		0		
	490 ft.	Region:		4		
		Regulatory Measure	ld:	343304		
		Order No:	_	97-03-DWQ		
		Regulatory Measure	Type:	Enrollee		
		Program Type		Industrial		
		Adoption Date Of Re	equlatory Measure:	Not reported		
		Effective Date Of Re	gulatory Measure:	04/02/2008		
		Expiration Date Of R	egulatory Measure:	Not reported		
		Termination Date Of	Regulatory Measure:	Not reported		
		Discharge Name:		GE Aviation Systems LLC		
		Discharge Address:		Duarte		
		Discharge State		California		
		Discharge Zip:		91010		
		HIST UST:				
		Region:	STATE			
		Facility ID:	00000020927			
		Other Type:	MACHINE SHOP			
		Total Tanks:	0002			
		Contact Name:	Not reported			
		Telephone:	8183599211			
		Owner Name:	HYDRAULIC UNITS, IN	IC.		
		Owner Address:	1700 BUSINESS CENT	ER DRIVE		
		Owner City,St,Zip:	DUARTE, CA 91010			
		Tank Num:	001			
		Container Num:	#1			
		Tank Canacity	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			
		Type of Fuel:	VVADIE Not reported			
		Tank Construction	Not reported			
		Leak Detection:	None			
		ENVIROSTOR:				

Database(s)

EDR ID Number EPA ID Number

#### HYDRAULIC UNITS, INC. (Continued)

**Tiered Permit** Site Type: **Tiered Permit** Site Type Detailed: Not reported Acres: NPL: NO NONE SPECIFIED Regulatory Agencies: NONE SPECIFIED Lead Agency: Program Manager: Not reported Supervisor: Not reported Division Branch: **Cleanup Chatsworth** Facility ID: 71002242 Site Code: Not reported Assembly: 48 25 Senate: Special Program: Not reported Status: Refer: Other Agency Status Date: Not reported NO Restricted Use: NONE SPECIFIED Site Mgmt. Req.: Funding: Not reported Latitude: 34.13368 Longitude: -117.9689 NONE SPECIFIED APN: 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 #) 71002242 Alias Name: Envirostor ID Number Alias Type: 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 Not reported Future Area Name: Not reported Future Sub Area Name: Future Document Type: Not reported Future Due Date: Not reported Schedule Area Name: Not reported Schedule Sub Area Name: Not reported Not reported Schedule Document Type: Schedule Due Date: Not reported Not reported Schedule Revised Date:

	Map ID		MAP FINDINGS		
	Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
$\bigcirc$	A2 < 1/8 1 ft.	1700 BUSINESS CENTER DE DUARTE, CA 91010	2	AST	A100344616 N/A
	Relative: Higher Actual: 490 ft.	AST: Owner: Total Gallons: Certified Unified Program	GE AVIATION SYSTEMS 3701 n Agencies: Los Angeles County		
$\bigcirc$	A3 < 1/8 1 ft.	GE AVIATION SYSTEMS LLC 1700 BUSINESS CENTER DF DUARTE, CA 91010 Site 3 of 3 in cluster A	C - DUARTE RIVE	RCRA-LQG TRIS FINDS	1000385001 91010DWTYR17
	Relative: Higher Actual: 490 ft.	RCRA-LQG: Date form received by ag Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	gency: 02/27/2012 GE AVIATION SYTEMS, LLC 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 CAD008503112 BUSINESS CENTER DRIVE DUARTE, CA 91010 LONNIE R OLSEN BUSINESS CENTER DRIVE DUARTE, CA 91010 Not reported (626) 246-0753 Not reported 09 Private Large Quantity Generator Handler: generates 1,000 kg or more of hazardous w calendar month; or generates more than 1 kg of acut during any calendar month; or generates more than 1 residue or contaminated soil, waste or other debris re cleanup of a spill, into or on any land or water, of acu waste during any calendar month; or generates 1 kg hazardous waste during any calendar month, and acu kg of acutely hazardous waste at any time; or generate of any residue or contaminated soil, waste or other de from the cleanup of a spill, into or on any land or wate hazardous waste during any calendar month, and acu	raste during any ely hazardous waste 100 kg of any sulting from the tely hazardous or less of acutely cumulates more than tes 100 kg or less ebris resulting er, of acutely cumulates more than	1
		Owner/Operator Summary: Owner/operator name: Owner/operator address Owner/operator country: Owner/operator telephor Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name:	GE AVIATION SYSTEMS, LLC PATTERSON AVE SE GRAND RAPIDS, MI 49512 Not reported ne: (616) 241-7000 Private Owner 05/04/2007 Not reported GE AVIATION SYSTEMS, LLC		

Database(s)

EDR ID Number EPA ID Number

### GE AVIATION SYSTEMS LLC - DUARTE (Continued)

Owner/operator address:	PATTERSON AVE SE
Owner/operator country:	
Owner/operator country.	
Owner/operator telephone.	(616) 241-7000 Drivete
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:	antas Na
U.S. Importer of hazardous wa	
Mixed waste (naz. and radioad	ctive): No
Recycler of nazardous waste:	NO
I ransporter of hazardous was	te: No
I reater, storer or disposer of F	IVV: 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 burne	er: No
Used oil Specification markete	r: No
Used oil transfer facility:	No
Used oil transporter:	No
Historical Concrators	
Date form received by agency	01/07/2008
Facility name	GE AVIATION SYTEMS 11 C
Site name	GE AVIATION SYSTEMS LLC
Classification:	
Olassineation.	
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

### 1000385001

Database(s)

EDR ID Number EPA ID Number

GE AVIATION SYSTEMS LLC - DUARTE (Continued)		1000385001	
Date form received by age	ency: 09/01/1996		
Facility name:	GE AVIATION SYTEMS, LLC		
Site name:	SMITHS AEROSPACE ACTUATION		
Classification:	Large Quantity Generator		
	5		
Date form received by age	ency: 03/25/1996		
Facility name:	GE AVIATION SYTEMS, LLC		
Site name:	DOWTY AEROSPACE LOS ANGELES		
Classification:	Large Quantity Generator		
Date form received by age	ency: 03/15/1994		
Facility name:	GE AVIATION SYTEMS, LLC		
Site name:	DOWTY AEROSPACE LA		
Classification:	Large Quantity Generator		
	00/07//000		
Date form received by age	ency: 02/25/1992		
Facility name:	GE AVIATION SYTEMS, LLC		
Site name:	DOWTY AEROSPACE LOS ANGELES		
Classification:	Large Quantity Generator		
Data farma na asiya diku ana			
Equility name:			
Facility hame.	GE AVIATION ST LEWS, LLC		
Classification:	Lorge Quantity Concreter		
Classification.	Large Quantity Generator		
Date form received by age	ancy: 06/30/1980		
Facility name	GE AVIATION SYTEMS 11 C		
Site name	SMITHS AFROSPACE ACTUATION		
Classification:	Large Quantity Generator		
	5		
Hazardaya Waata Summany			
Masta ando:	D001		
Waste name:	IGNITARI E HAZARDOLIS WASTES ARE THOSE WASTES		
Waste Hame.			
	ELASH POINT OF A WASTE IS TO REVIEW THE MATERI		
	WHICH CAN BE OBTAINED FROM THE MANUFACTURE	R OR DISTRIBUTOR OF THE	
	MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A	COMMONLY USED SOLVENT	
	WHICH WOULD BE CONSIDERED AS IGNITABLE HAZAF	RDOUS WASTE.	
Waste code:	D002		
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREA	TER THAN 12.5 IS	
	CONSIDERED TO BE A CORROSIVE HAZARDOUS WAS	TE. SODIUM HYDROXIDE, A	
	CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED	BY INDUSTRIES TO CLEAN	
	OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLU	TION WITH A LOW PH, IS	
	USED BY MANY INDUSTRIES TO CLEAN METAL PARTS	PRIOR TO PAINTING. WHEN	
	THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTA	AMINATED AND MUST BE	
	DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZ	ZARDOUS WASTE.	
Waste code:	D007		
Waste name:	CHROMIUM		
	<b>5</b>		
Waste code:	D008		
Waste name:	LEAD		
	F000		
vvaste name:	THE FULLOWING SPENT NON-HALOGENATED SOLVEN	ITS: AYLENE, AGETONE, ETHYL	

EDR ID Number Database(s) EPA ID Number

GE AVIATION SYSTEMS LLC -	DUARTE (Continued)	1000385001
	ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL MIXTURES/BLENDS CONTAINING, BEFORE USE, ONL NON-HALOGENATED SOLVENTS; AND ALL SPENT SO CONTAINING, BEFORE USE, ONE OR MORE OF THE SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MO MORE OF THOSE SOLVENTS LISTED IN F001, F002, F BOTTOMS FROM THE RECOVERY OF THESE SPENT MIXTURES.	ISOBUTYL KETONE, N-BUTYL SPENT SOLVENT LY THE ABOVE SPENT DLVENT MIXTURES/BLENDS ABOVE NON-HALOGENATED RE (BY VOLUME) OF ONE OR F004, AND F005, AND STILL SOLVENTS AND SPENT SOLVENT
Biennial Reports:		
Last Biennial Reporting Year:	2013	
Annual Waste Handled:		
Waste code:	D001	
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WAST LESS THAN 140 DEGREES FAHRENHEIT AS DETERM CLOSED CUP FLASH POINT TESTER. ANOTHER MET FLASH POINT OF A WASTE IS TO REVIEW THE MATE WHICH CAN BE OBTAINED FROM THE MANUFACTUR MATERIAL. LACQUER THINNER IS AN EXAMPLE OF WHICH WOULD BE CONSIDERED AS IGNITABLE HAZ	ES WHICH HAVE A FLASHPOINT OF IINED BY A PENSKY-MARTENS THOD OF DETERMINING THE RIAL SAFETY DATA SHEET, RER OR DISTRIBUTOR OF THE A COMMONLY USED SOLVENT ARDOUS WASTE.
Amount (Lbs):	2237	
Waste code:	D002	
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GRE CONSIDERED TO BE A CORROSIVE HAZARDOUS WA CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USE OR DEGREASE PARTS. HYDROCHLORIC ACID, A SO USED BY MANY INDUSTRIES TO CLEAN METAL PAR THESE CAUSTIC OR ACID SOLUTIONS BECOME CON DISPOSED. THE WASTE WOULD BE A CORROSIVE H	EATER THAN 12.5 IS ASTE. SODIUM HYDROXIDE, A ED BY INDUSTRIES TO CLEAN LUTION WITH A LOW PH, IS TS PRIOR TO PAINTING. WHEN NTAMINATED AND MUST BE IAZARDOUS WASTE.
Amount (Lbs):	883	
Waste code:	D007	
Waste name:	CHROMIUM	
Amount (Lbs):	35040	
	5000	
Waste code:		
Amount (Lbs):	LEAD 54	
/		
Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLV ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL MIXTURES/BLENDS CONTAINING, BEFORE USE, ONL NON-HALOGENATED SOLVENTS; AND ALL SPENT SO CONTAINING, BEFORE USE, ONE OR MORE OF THE SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MO MORE OF THOSE SOLVENTS LISTED IN F001, F002, F BOTTOMS FROM THE RECOVERY OF THESE SPENT MIXTURES.	ENTS: XYLENE, ACETONE, ETHYL ISOBUTYL KETONE, N-BUTYL SPENT SOLVENT Y THE ABOVE SPENT DLVENT MIXTURES/BLENDS ABOVE NON-HALOGENATED RE (BY VOLUME) OF ONE OR F004, AND F005, AND STILL SOLVENTS AND SPENT SOLVENT
Amount (Lbs):	2237	
Violation Status:	No violations found	

Map ID	
Direction	
Distance	
Elevation	Site

**B4** 

1 ft.

Contact telephone:

Telephone ext.:

Contact email:

EPA Region:

Classification:

626-358-9840

Not reported

Conditionally Exempt Small Quantity Generator

14

09

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

#### **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 **FIBRWRAP CONSTRUCTION INC** RCRA-CESQG 1008402359 **1710 EVERGREEN STREET** CAR000130260 **DUARTE, CA 91702** < 1/8 Site 1 of 2 in cluster B RCRA-CESQG: Relative: Date form received by agency: 10/21/2002 Higher Facility name: FIBRWRAP CONSTRUCTION INC Actual: Facility address: 1710 EVERGREEN STREET 491 ft. **DUARTE, CA 91702** EPA ID: CAR000130260 Contact: JUSTIN S YABROF Contact address: 1710 EVERGREEN STREET **DUARTE, CA 91702** Contact country: US

EDR ID Number Database(s) EPA ID Number

#### FIBRWRAP CONSTRUCTION INC (Continued)

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

D002

Waste code: Waste name:

A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	FIBRWRAP CONSTRUCTION INC	CONSIDERED TO BE A CORROSIVE HAZARDOU CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN OR DEGREASE PARTS. HYDROCHLORIC ACID, USED BY MANY INDUSTRIES TO CLEAN METAL THESE CAUSTIC OR ACID SOLUTIONS BECOMI	JS WASTE. SODIUM N USED BY INDUSTR A SOLUTION WITH A . PARTS PRIOR TO P. E CONTAMINATED AI	1008402359 HYDROXIDE, A IES TO CLEAN LOW PH, IS AINTING. WHEN ND MUST BE
	Waste code: Waste name: Violation Status:	DISPOSED, THE WASTE WOULD BE A CORROS U002 ACETONE (I) No violations found	SIVE HAZARDOUS WA	ASTE.
B5 < 1/8	RAIN BIRD CONSUMER PROD N 1750 EVERGREEN DUARTE, CA 91010	IFG CORP	RCRA-SQG FINDS	1000304163 CAD098601685
1 π. Relative: Higher Actual: 494 ft.	Site 2 of 2 in cluster B RCRA-SQG: Date form received by agence Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	y: 09/01/1996 RAIN BIRD CONSUMER PROD MFG CORP 1750 EVERGREEN DUARTE, CA 91010 CAD098601685 PO BOX 37 GLENDORA, CA 91740 Not reported Not reported N	000 kg of hazardous less than 6000 kg of or less of hazardous s more than 1000 kg of	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported (415) 555-1212 Private Operator Not reported Not reported ANTHONY W LA FETRA NOT REQUIRED NOT REQUIRED, ME 99999 Not reported (415) 555-1212 Private Owner		

Database(s)

EDR ID Number **EPA ID Number** 

Owner/Op start date:	Not rep	ported		
Owner/Op end date:	Not rep	ported		
Handler Activities Summa	ary:			
U.S. importer of hazard	dous waste: N	No		
Mixed waste (haz. and	radioactive): N	No		
Recycler of hazardous	waste:	No		
Transporter of hazardo	ous waste: N	No		
I reater, storer or dispo	Diser of HVV: N	NO		
Underground injection	activity: N	NO		
	ion: r			
Furnace exemption:	1			
Used oil luei burner.	l'			
Used oil processor.	I'			
Used oil fuel marketer	to humer: N			
Used oil Specification	marketer N	No		
Used oil transfer facilit	v N	No		
Used oil transporter	y. N	No		
Classification:	Large (	Quantity Generator		
Violation Status:	INO VIOI	ations found		
-INDS:				
Registry ID:	110002	2665893		
Environmental Interest RCF Con ever and prog corre	/Information Sy RAInfo is a natio servation and R nts and activities treat, store, or o gram staff to trac ective action ac	stem onal information system that supports the Re Recovery Act (RCRA) program through the tr s related to facilities that generate, transport, dispose of hazardous waste. RCRAInfo allov ck the notification, permit, compliance, and tivities required under RCRA.	source acking of , vs RCRA	
DRAULIC UNITS INC 10 BUSINESS CENTER	DR		CA FID UST SWEEPS UST	1000353954 N/A

< 1/8 1 ft.

6

CA FID UST: 19000025 Facility ID: Relative: Regulated By: UTNKA Higher Regulated ID: 00020927 Actual: Cortese Code: Not reported 487 ft. SIC Code: Not reported Facility Phone: 818000000 Mail To: Not reported 1700 E BUSINESS CENTER DR Mailing Address: Mailing Address 2: Not reported Mailing City,St,Zip: DUARTE Contact: Not reported

1000353954 N/A WDS

Database(s)

EDR ID Number EPA ID Number

### 1000353954

HYDRAULIC UNITS INC	Continued)
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 Equalizat	on: Not reported
Referral Date:	U6-30-89 Net reported
Croated Date:	
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: 1	06.2045
File Status:	lot reported
Staff: [	DRASMUSS
Facility Suite: N	lot reported
CA WDS:	
Facility ID:	4 191016617
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 shin 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.
NFDES Number.	are assigned by the Regional Board
Subregion:	4
Facility Telephone:	6263599211
Facility Contact:	
Agency Name:	SMITHS AERUSPACE ACTUATION
Agency City St Zin-	
Agency Contact	TIM NELIMANN
Agency Telephone	6263599211
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	Not reported

Database(s)

EDR ID Number EPA ID Number

#### 1000353954

### HYDRAULIC UNITS INC (Continued)

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.

HIST UST U001566483 N/A

C7	
< 1/8	
0.001	mi.
3 ft.	

**Relative:** Higher Actual: 494 ft.

# **1801 HIGHLAND AVE** DUARTE, CA 91010 Site 1 of 10 in cluster C

PIONEER ELECTRONICS, INC.

HIST UST: Region: Facility ID: Facility Type: Other Type: Total Tanks: Contact Name Telephone: Owner Name Owner Addre	STATE 00000020936 Other MANUFACTURIN 0003 e: WALTER H. BIEL 8183599271 : PIONEER ELEC <sup>**</sup> ss: 1801 HIGHLAND	NG .Y FRONICS TECH. INC. AVENUE	
Owner City S	LZip: DUARTE, CA 910	010	
Tank Num: Container Nu Year Installed Tank Capacit Tank Used fo Type of Fuel: Tank Constru Leak Detectio	001 m: 1 1966 y: 00000763 r: WASTE Not reported ction: Not reported n: None		
Tank Num <sup>.</sup>	002		
Container Nu	m: 2		
Year Installed	1966		
Tank Capacit	y: 00010000		
Tank Used fo	r: PRODUCT		
Type of Fuel:	Not reported		
Tank Constru	ction: Not reported		
Leak Detection	n: None		
Tank Num:	003		
Container Nu	m: 3		

Map ID	
Direction	
Distance	
Elevation	Site

C8

< 1/8

3 ft.

C9

< 1/8

0.001 mi.

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

U001566483

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

1966
00020000
PRODUCT
Not reported
Not reported
None

### (FORMERLY) PIONEER ELECTRONICS 1801 S HIGHLAND AVE DUARTE, CA 91010

### Site 2 of 10 in cluster C

Deletive	CA FID LIST	
Higher	Eacility ID:	19001157
Inglici	Regulated By:	UTNKI
Actual:	Regulated ID:	00020936
494 ft.	Cortese Code:	Not reported
	SIC Code:	Not reported
	Facility Phone:	818000000
	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

### CA FID UST S101582711 N/A

SWEEPS UST S105034013 LOS ANGELES CO. HMS N/A

0.001 mi. 3 ft.	Site 3 of 10 in cluster C	
Relative:	SWEEPS UST:	
Higher	Status:	Not reported
-	Comp Number:	6221
Actual:	Number:	Not reported
494 ft.	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** 

**1801 S HIGHLAND AVE** 

DUARTE, CA 91010
C10

 $\supset$ 

### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	006007-006221
Facility Type:	Т0
Facility Status:	Removed
Area:	3R
Permit Number:	00000134T
Permit Status:	Removed
Region:	IA

Region:	LA
Facility Id:	006007-106221
Facility Type:	102
Facility Status:	Closed
Area:	3R
Permit Number:	000008565
Permit Status:	Closed

S105034013

RCRA-SQG	10
FINDS	C/
ANGELES CO. HMS	

000298574 AD097032882

C10 < 1/8	HOLMES BODY SHOP INC 1801 HIGHLAND AVE DUARTE, CA 91010	RCRA-SQG FINDS 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 agend Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	by: 09/01/1996 HOLMES BODY SHOP INC 1801 HIGHLAND AVE DUARTE, CA 91010 CAD097032882 Not reported Not reported Not reported Not reported Not reported Not reported Small Small Quantity Generator 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: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/Operator name: Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999 Not reported (415) 555-1212 Private Operator Not reported Not reported Not reported NOT REQUIRED NOT REQUIRED, ME 99999

HOLMES BODY SHOP INC (Continued)

### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Owner/operator o Owner/operator to Legal status: Owner/Operator Owner/Op start d Owner/Op end da	ountry: elephone: Type: ate: ate:	Not reported (415) 555-1212 Private Owner Not reported Not reported
Handler Activities St U.S. importer of h Mixed waste (haz Recycler of hazar Transporter of ha Treater, storer or Underground inje On-site burner ex Furnace exemption Used oil fuel burn Used oil fuel burn Used oil fuel burn Used oil fuel marl Used oil fuel marl Used oil Specifica Used oil transfer Used oil transfer	ummary: nazardous wast : and radioact dous waste: zardous waste disposer of H ction activity: cemption: on: ner: or: keter to burne ation marketer facility: ter:	ste: No tive): No No e: No IW: No No No No No No No Pr: No No No No No
Historical Generator Date form receive Facility name: Classification:	s: ed by agency:	12/25/1985 HOLMES BODY SHOP INC Large Quantity Generator
Violation Status:		No violations found
FINDS:		
Registry ID:		110002665349
Environmental Inf	terest/Informa RCRAInfo is Conservatior events and a and treat, sto program staf corrective ac	tion System a national information system that supports the Resource n and Recovery Act (RCRA) program through the tracking of activities related to facilities that generate, transport, ore, or dispose of hazardous waste. RCRAInfo allows RCRA ff to track the notification, permit, compliance, and ction activities required under RCRA.
LOS ANGELES CO Region: Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status: Region:	HMS: LA 006007-0085 Not reported OPEN 3R Not reported Not reported LA	964 I I
Facility Id: Facility Type:	006007-1089 102	)64

C11

### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1000298574

### HOLMES BODY SHOP INC (Continued)

Facility Status: Closed Area: 3R Permit Number: 000010264 Permit Status: Closed LA Region: Facility Id: 006007-108973 Facility Type: 101 Facility Status: Removed Area: 3R Permit Number: 000012125 Permit Status:

**GOLDEN STATE HYDRAULICS** 

Removed

RCRA-SQG	1000820056
FINDS	CAD983660770
WIP	

East < 1/8 0.002 mi.	1718 HIGHLAND AVE UNIT A DUARTE, CA 91010	FINE W	)S IP	CAD98366
12 ft.	Site 5 of 10 in cluster C			
Relative:	RCRA-SQG:	00/07/4000		
Higher	Date form received by agend	y: 02/25/1993		
Actuals	Facility name:			
493 ft.	Facility address.			
		CAD983660770		
	Mailing address:			
	Maning address.			
	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 hazardou	s	
		waste during any calendar month and accumulates less than 6000 kg	of	
		hazardous waste at any time; or generates 100 kg or less of hazardou	s	
		waste during any calendar month, and accumulates more than 1000 k	g of	
		hazardous waste at any time		
	Owner/Operator Summary:			
	Owner/operator name	GOI DEN 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 Summarv:			
	U.S. importer of hazardous w	/aste: No		
	Mixed waste (haz. and radio	active): No		
	Recycler of hazardous waste	No No		
	Transporter of hazardous wa	ste: No		

Database(s)

EDR ID Number EPA ID Number

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:

#### FINDS:

Registry ID:

110009550798

No violations found

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 East < 1/8 0 002 mi	1718 HIGHLAND AVE DUARTE, CA 91010		EDR US Hist Auto Stat	1015268988 N/A
12 ft.	Site 6 of 10 in cluster C			
Relative: Higher	EDR Historical Auto Stat Name:	ions: HOLMES BODY SHOP INCORPORATED		
Actual: 493 ft.	Year: Address:	1999 1718 HIGHLAND AVE		
	Name: Year: Address:	HOLMES BODY SHOP 2001 1718 HIGHLAND AVE		
	Name: Year: Address:	HOLMES BODY SHOP 2002 1718 HIGHLAND AVE		
	Name: Year: Address:	HOLMES BODY SHOP 2003 1718 HIGHLAND AVE		
	Name:	HOLMES BODY SHOP		

Database(s)

EDR ID Number EPA ID Number

### 1015268988

(Continued)				
Year: Address:	2004 1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2005			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP 2007			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2008			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2009			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2010			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2011			
Address:	1718 HIGHLAND AVE			
Name: Year:	HOLMES BODY SHOP INC 2012			
Address:	1718 HIGHLAND AVE			

C13 East < 1/8 0.002 mi.	HOLMES BODY SHOP DUAR 1718 HIGHLAND AVE DUARTE, CA 91010	TE INC RCRA-SQG FINDS LOS ANGELES CO. HMS	1000685944 CAD9836291
12 ft.	Site 7 of 10 in cluster C		
Relative: Higher	RCRA-SQG: Date form received by ag		
Actual: 493 ft.	Facility address:	1718 HIGHLAND AVE DUARTE, CA 91010	
	EPA ID: Contact: Contact address:	CAD983629106 JOHN TARRANT 1718 HIGHLAND AVE DUARTE, CA 91010	
	Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	US (818) 357-9407 Not reported 09 Small Small Quantity Generator 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	of

FINDS CAD983629106 S CO. HMS

Database(s)

EDR ID Number EPA ID Number

#### HOLMES BODY SHOP DUARTE INC (Continued)

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).

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

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

	Map ID Direction			MAP FINDINGS		
	Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
		HOLMES BODY SHOP DUA Permit Status: Permi	RTE INC(	Continued)		1000685944
$\bigcirc$	D14 NE < 1/8 0.003 mi. 17 ft.	1512 HIGHLAND AVE DUARTE, CA 91010 Site 1 of 4 in cluster D		E	DR US Hist Cleaners	1014996923 N/A
	Relative: Higher	EDR Historical Cleaners: Name: Year	RUG WAS	SH		
	Actual: 497 ft.	Address:	1512 HIGI	HLAND AVE		
	C15 ENE < 1/8 0.010 mi.	SARI ART AND PRINTING 1803 BUSINESS CENTER DI DUARTE, CA 91010	R		RCRA-SQG FINDS HAZNET	1004677140 CAR000093666
	51 ft.	Site 8 of 10 in cluster C				
	Relative: Higher	RCRA-SQG: Date form received by a Facility name:	igency: 03/2 SAF	20/2001 RI ART AND PRINTING		
	Actual: 495 ft.	Facility address:	1803	3 BUSINESS CENTER DR		
	100 111	EPA ID:	CAF	R000093666		
		Contact: Contact address:	JOH 1803 DUA	IN HALLO 3 BUSINESS CENTER DR ARTE, CA 91010		
		Contact country:	US	× 205 0000		
		Contact telephone: Contact email:	(626 Not	6) 305-0888 reported		
		EPA Region:	09			
		Classification:	Sma Han	all Small Quantity Generator dler: generates more than 100 and less than 10	000 kg of bazardous	
			wast haza wast haza	te during any calendar month and accumulates ardous waste at any time; or generates 100 kg te during any calendar month, and accumulates ardous waste at any time	less than 6000 kg of or less of hazardous s more than 1000 kg of	
		Owner/Operator Summary:	·:			
		Owner/operator name: Owner/operator address	MEI s: 1803	CHING TAN 3 BUSINESS CENTER DR ARTE CA 91010		
		Owner/operator country:	: Not	reported		
		Owner/operator telepho	ne: (626 Priv:	305-0888 ate		
		Owner/Operator Type:	Own	ner		
		Owner/Op start date: Owner/Op end date:	Not Not	reported reported		
		Handler Activities Summar	·y:			
		U.S. importer of hazardo	ous waste:	No		
		Mixed waste (haz. and r Recycler of hazardous w	adioactive): waste:	NO NO		
		Transporter of hazardou	us waste:	No		

Map ID Direction Distance				Ν	MAP FIND	DINGS					EDR ID Number
Elevation	Site									Database(s)	EPA ID Number
	SARI ART AND PRINTING	G (Conti	inued)								1004677140
	Treater storer or disr	` hoser of H	, н₩.	No							
	Underground injection	n activity:	r:	No							
	On-site burner exemp	ption:		No							
	Furnace exemption:			No							
	Used oil fuel burner:			No							
	Used oil processor:			NO No							
	Used oil fuel markete	er to burne	er.	No							
	Used oil Specification	n markete	er:	No							
	Used oil transfer facili	lity:		No							
	Used oil transporter:			No							
	Hazardous Waste Sumn	mary:	5004								
	Waste code:		D001								
	waste name:		LESS CLOS FLAS WHIC MATE WHIC	TABLE H S THAN 1 SED CUF SH POINT CH CAN E ERIAL. L CH WOUI	IAZARDO 140 DEGR P FLASH F T OF A W BE OBTA _ACQUER LD BE CC	REES FAH POINT TE ASTE IS INED FRO THINNE	IES ARE I IRENHEIT STER. AI TO REVIE DM THE M R IS AN E ED AS IGN	AS DE NOTHE W THE ANUF XAMPI	E WAST ETERMI ER MET MATEI ACTUR LE OF A LE HAZA	ES WHICH HA NED BY A PE HOD OF DETH RIAL SAFETY ER OR DISTR ACOMMONLY ARDOUS WAS	VE A FLASHPOINT OF NSKY-MARTENS ERMINING THE DATA SHEET, IBUTOR OF THE USED SOLVENT TE.
	Waste code:		D018	5							
	Waste name:		BENZ	ZENE							
	Waste code: Waste name:		D039 TETR	) RACHLOI	ROETHYL	LENE					
	Waste code: Waste name:		D040 TRIC	) HLOROE	ETHYLEN	IE					
	Violation Status:		No vi	olations f	found						
	FINDS:										
	Registry ID:		1100	1224348	3						
	Environmental Interes Ca pro ger fac	st/Informa Ilifornia H ovides Ca nerators, cilities.	ation S Iazardo alifornia , transp	System ous Wast a with info porters, a	te Tracking formation of and treatmost	ig System on hazard ient, stora	- Datamar ous waste ge, and dis	rt (HWT shipm sposal	S-DAT	AMART)	
	RC Co eve and pro cor	CRAInfo is onservation ents and d treat, st ogram sta ogram sta	is a nat on and activiti store, or aff to tra action a	tional info Recover ies relate r dispose rack the n activities r	ormation s ry Act (RC ed to faciliti e of hazarc notification required u	system tha CRA) progr ties that ge dous wast n, permit, o under RCF	at supports ram throug enerate, tra e. RCRAIr compliance RA.	the Re gh the tr ansport nfo allo e, and	esource racking t, ws RCF	of RA	
	HAZNET: Year: Gepaid: Contact: Telephone: Mailing Name:	2004 CAR000 JOHN T 6263050 Not repo	009366 AN/GE 0888 orted	6 ENERAL	MANAGE	R					

Database(s)

EDR ID Number **EPA ID Number** 

#### SARI ART AND PRINTING (Continued)

Gen County:

TSD EPA ID:

TSD County:

Tons:

Year:

Gepaid: Contact:

Telephone:

Gen County:

TSD EPA ID:

TSD County:

Tons:

Year:

Gepaid:

Contact:

Telephone:

720 N TODD AVENUE Mailing Address: AZUSA, CA 917020000 Mailing City, St, Zip: Not reported CAT000613893 Not reported Waste Category: Aqueous solution with total organic residues less than 10 percent Disposal Method: **Transfer Station** 0.45 Facility County: Los Angeles 2003 CAR000093666 JOHN TAN/GENERAL MANAGER 6263050888 Mailing Name: Not reported 720 N TODD AVENUE Mailing Address: Mailing City, St, Zip: AZUSA, CA 917020000 Not reported CAT000613893 Not reported Waste Category: Aqueous solution with total organic residues less than 10 percent **Disposal Method: Transfer Station** 0.32 Facility County: Los Angeles 2002 CAR000093666 JOHN TAN/GENERAL MANAGER 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 PRINTIN	IG (Continued)	1004677140
Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Facility County:	JOHN TAN/GENERAL MANAGER 6263050888 Not reported 720 N TODD AVENUE AZUSA, CA 917020000 Not reported CAT000613976 Not reported Liquids with halogenated organic compounds >= 1,000 Mg./L Transfer Station 0.47 Los Angeles	
<u>C</u> ad	lick this hyperlink while viewing on your computer to access dditional CA_HAZNET: detail in the EDR Site Report.	
PACIFIC SCIENTIFIC HT 1800 HIGHLAND AVE. DUARTE, CA 91010 Site 9 of 10 in cluster C	L/KIN-TECH DIV RCRA-SQG TRIS FINDS	1000101327 91010PCFCS18
RCRA-SQG:		
Date form received	by agency:06/03/2010	
Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	PACIFIC SCIENTIFIC 1800 HIGHLAND AVE DUARTE, CA 91010 CAD056444656 LARRY T CONSTANTINO 1800 HIGHLAND AVE. DUARTE, CA 91010 US (626) 434-1194 LCONSTANTINO@HTL.PACSCI.COM 09 Small Small Quantity Generator 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 Summ Owner/operator nam	nary: ne: PACIFIC SCIENTIFIC	
Owner/operator add	ress: Not reported	
Owner/operator cou Owner/operator tele Legal status: Owner/Operator Typ Owner/Op start date	not reported ntry: Not reported phone: Not reported Private De: Operator photo: 01/01/1979 Not reported	
	SARI ART AND PRINTIN Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Facility County: PACIFIC SCIENTIFIC HT 1800 HIGHLAND AVE. DUARTE, CA 91010 Site 9 of 10 in cluster C RCRA-SQG: Date form received I Facility name: Facility address: EPA ID: Contact: Contact country: Contact ddress: EPA ID: Contact telephone: Contact telephone: Contact telephone: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description: Owner/Operator Summ Owner/Operator cound Owner/Operator cound Owner/Operator Typ; Owner/Operator Typ; Owner/Op start date Owner/Op start date Owner/Op start date	SARI ART AND PRINTING (Continued) Contact: JOHN TAN/GENERAL MANAGER Telephone: 626305088 Mailing Name: Not reported Mailing Address: 720 NTODD AVENUE Mailing City,St.27p: 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. PACIFIC SCIENTIFIC HTL/KIN-TECH DIV RCRA-SQG 1800 HIGHLAND AVE. DUARTE, CA 91010 Site 9 of 10 in cluster C RCRA-SQG: Data form received by agency: 06/03/2010 Facility address: 1800 HIGHLAND AVE DUARTE, CA 91010 EPA ID: CAD056444656 Contact: LARRY T CONSTANTINO Contact dephone: (663) 434-1194 Contact enail: LCONSTANTINO Contact telephone: (663) 434-1194 Contact enail: LCONSTANTINO Contact didfices: Singl

Database(s)

EDR ID Number EPA ID Number

Map ID Direction Distance Site

Elevation

Database(s)

EDR ID Number EPA ID Number

# PACIFIC SCIENTIFIC HTL/KIN-TECH DIV (Continued)

Owner/operator telephone:	(310) 314-2400
Legal status:	Private
Owner/Operator Type:	Owner 01/01/1070
Owner/Op start date:	Not reported
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 wa Mixed waste (haz. and radioad Recycler of hazardous waste: Transporter of hazardous wass Treater, storer or disposer of H Underground injection activity On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil gpecification marketer Used oil specification marketer Used oil transfer facility: Used oil transporter:	aste: No ctive): No No No HW: No : No No No No No No Per: No No No No No No No No No No
Historical Generators: Date form received by agency Facility name: Site name: Classification:	: 09/01/1996 PACIFIC SCIENTIFIC HTL ADVANCED TECHNOLOGY DIVISION Small Quantity Generator
Date form received by agency Facility name: Site name: Classification:	: 08/14/1980 PACIFIC SCIENTIFIC HTL ADVANCED TECHNOLOGY DIVISION Large Quantity Generator

D001

Hazardous Waste Summary: Waste code:

EDR ID Number Database(s) EPA ID Number

PACIFIC SCIENTIFIC	HTL/KIN-TECH DIV (Continued)	1000101327
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WAS LESS THAN 140 DEGREES FAHRENHEIT AS DETER CLOSED CUP FLASH POINT TESTER. ANOTHER MI FLASH POINT OF A WASTE IS TO REVIEW THE MAT WHICH CAN BE OBTAINED FROM THE MANUFACTU MATERIAL. LACQUER THINNER IS AN EXAMPLE OF WHICH WOULD BE CONSIDERED AS IGNITABLE HA	STES WHICH HAVE A FLASHPOINT OF MINED BY A PENSKY-MARTENS ETHOD OF DETERMINING THE FERIAL SAFETY DATA SHEET, JRER OR DISTRIBUTOR OF THE F A COMMONLY USED SOLVENT AZARDOUS WASTE.
Waste code: Waste name:	D002 A WASTE WHICH HAS A PH OF LESS THAN 2 OR GF CONSIDERED TO BE A CORROSIVE HAZARDOUS V CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN US OR DEGREASE PARTS. HYDROCHLORIC ACID, A S USED BY MANY INDUSTRIES TO CLEAN METAL PA THESE CAUSTIC OR ACID SOLUTIONS BECOME CO DISPOSED, THE WASTE WOULD BE A CORROSIVE	REATER THAN 12.5 IS VASTE. SODIUM HYDROXIDE, A SED BY INDUSTRIES TO CLEAN OLUTION WITH A LOW PH, IS RTS PRIOR TO PAINTING. WHEN DNTAMINATED AND MUST BE HAZARDOUS WASTE.
Waste code: Waste name:	D003 A MATERIAL IS CONSIDERED TO BE A REACTIVE H NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WHEN EXPOSED TO WATER OR CORROSIVE MATE DETONATION OR EXPLOSION WHEN EXPOSED TO OF SUCH WASTE WOULD BY WASTE GUNPOWDER	IAZARDOUS WASTE IF IT IS WATER, GENERATES TOXIC GASES ERIALS, OR IF IT IS CAPABLE OF HEAT OR A FLAME. ONE EXAMPLE R.
Waste code:	D007	
Waste name:	CHROMIUM	
Waste code: Waste name:	D039 TETRACHLOROETHYLENE	
Violation Status:	No violations found	
TRIS:		
	<u>Click this hyperlink</u> while viewing on your computer to access 4 additional US_TRIS: record(s) in the EDR Site Report.	
FINDS:		
Registry ID:	110000476565	
Environmental In	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-DA provides California with information on hazardous waste shipments f generators, transporters, and treatment, storage, and disposal facilities. US EPA TRIS (Toxics Release Inventory System) contains informati from facilities release directly to air, water, land, or that are	on ATAMART) for
	RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking	ce ng of

EDR ID Number Database(s) EPA ID Number

1000101327

### PACIFIC SCIENTIFIC HTL/KIN-TECH DIV (Continued)

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 East < 1/8 0.020 mi.	PAC SCIENTIFIC 1800 HIGHLAND AVE DUARTE, CA 91010			NPDES HIST UST WIP EMI	U001566474 N/A
106 ft.	Site 10 of 10 in cluster C			WDS	
Relative: Higher Actual: 494 ft.	NPDES: Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Order No: Regulatory Measure Place Id: WDID: Program Type: Adoption Date Of Re Expiration Date Of Re Expiration Date Of Re Expiration Date Of Discharge Name: Discharge Address: Discharge City:	ld: Type: egulatory Measure: egulatory Measure: Regulatory Measure: Regulatory Measure:	CAS000001 Active 0 4 189751 97-03-DWQ Enrollee Not reported 4 191009090 Industrial Not reported 11/07/1992 Not reported Not reported Not reported HTL Pacific Scientific 1800 Highland Ave Duarte California		
	Discharge Zip:		91010		
	HIST UST: Region: Facility ID: Facility Type: Other Type: Total Tanks: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Tank Construction: Leak Detection:	STATE 00000034002 Other AEROSPACE HOWE 0001 Not reported 8183599317 ALLEGHENY INTERNA TWO OLIVER PLAZA, I PITTSBURGH, PA 1523 001 1-1500-3 1979 00001500 PRODUCT Not reported Not reported Visual	ATIONAL P.O. BOX 456 30		

Database(s)

EDR ID Number EPA ID Number

# PAC SCIENTIFIC (Continued)

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 AOMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Penerting Pule:	Not reported
Total Organia Hydrogerban Cases Tang/Vr:	
Deasting Organic Trydrocarboli Gases Toris/11.	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:	
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Pulo:	Not reported
Total Organia Undragenhan Cases Tara (Vr.	
Potative Organic Aydrocarbon Gases Tons/ IT.	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 AOMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Poperting Pulo:	Not reported
Total Organia Hydrogerhan Cases Tons Mer	
Posetive Organic Costs Torre V/r	3
Reactive Organic Gases Tons/Yr:	U
Carbon Monoxide Emissions Tons/Yr:	U
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr	0

Database(s)

EDR ID Number EPA ID Number

# PAC SCIENTIFIC (Continued)

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers & Smllr Tons/Yr:	1997 19 SC 57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 0 0 0 0 0 0 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
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
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

Database(s)

EDR ID Number EPA ID Number

# PAC SCIENTIFIC (Continued)

Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Consolidated Emissior Total Organic Hydroca Reactive Organic Gase Carbon Monoxide Emi NOX - Oxides of Nitrog SOX - Oxides of Sulph Particulate Matter Ton Part. Matter 10 Microm	Pollution Info System: n Reporting Rule: rbon Gases Tons/Yr: es Tons/Yr: ssions Tons/Yr: gen Tons/Yr: uur Tons/Yr: s/Yr: heters & Smllr Tons/Yr:	57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Consolidated Emission Total Organic Hydroca Reactive Organic Gase Carbon Monoxide Emi NOX - Oxides of Nitroo SOX - Oxides of Sulph Particulate Matter Ton Part. Matter 10 Microm	Pollution Info System: n Reporting Rule: rbon Gases Tons/Yr: es Tons/Yr: ssions Tons/Yr: jen Tons/Yr: uur Tons/Yr: s/Yr: heters & Smllr Tons/Yr:	2001 19 SC 57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 4 0 0 0 0 0
CA WDS: Facility ID: Facility Type:	4 191009090 Industrial - Facility tha semisolid wastes fror processing operation washing, geothermal repairing, oil producti pumping	at treats and/or disposes of liquid or n any servicing, producing, manufacturing or of whatever nature, including mining, gravel operations, air conditioning, ship building and on, storage and disposal operations, water
Facility Status: NPDES Number: Subregion: Facility Telephone: Facility Contact: Agency Name: Agency Address: Agency City,St,Zip: Agency Contact: Agency Telephone: Agency Type: SIC Code: SIC Code: SIC Code 2: Primary Waste: Primary Waste Type: Secondary Waste:	Active - Any facility w under Waste Dischar CAS000001 The 1st are assigned by the F 4 6264341194 LARRY T CONSTAN PAC SCIENTIFIC 1800 Highland Ave Duarte 910102895 LARRY T CONSTAN 6264341194 Private 0 Not reported Not reported Not reported Not reported Not reported	ith a continuous or seasonal discharge that is ge Requirements. 2 characters designate the state. The remaining 7 Regional Board TINO

PAC SCIENTIFIC (Continued)

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	Secondary Waste Type: N Design Flow: 0 Baseline Flow: 0 Reclamation: N POTW: N Treat To Water: N Complexity: 0	Not reported ) Not reported Not reported Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared o 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 epresent no threat to water quality. 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	
	С	lairy waste ponds.	
D18 ENE < 1/8 0.032 mi. 169 ft.	DISCOPY LABS INC 1848 EVERGREEN AVE DUARTE, CA 91010 Site 2 of 4 in cluster D	RCRA-SQ FIND	G 1000395284 S CAD982518052
Relative: Higher	RCRA-SQG: Date form received by age	ency: 04/02/1993	
Actual:	Facility name: Facility address:	DISCOPY LABS INC 1848 EVERGREEN AVE	
433 H.	EPA ID: Contact: Contact address:	CAD982518052 BETTY SLIPP 14772 PLAZA DR TUSTIN CA 92680	
	Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	US (714) 730-9000 Not reported 09 Small Small Quantity Generator 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 hazardous waste at any time	ıf of
	Owner/Operator Summary: Owner/operator name: Owner/operator address:	LEWIS PROPERTIES 14772 PLAZA DR	
	Owner/operator country: Owner/operator telephone Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	TUSTIN, CA 92680 Not reported e: (714) 730-9000 Private Owner Not reported Not reported	
	Owner/operator name: Owner/operator address:	NOT REQUIRED NOT REQUIRED	

Database(s)

EDR ID Number EPA ID Number

### DISCOPY LABS INC (Continued)

	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.

FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010					HIST UST	U001566469 N/A
Site 3 of 4 in cluster D						
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 1860 EVERGREEN ST DUARTE, CA 91010 Site 3 of 4 in cluster D HIST UST: Region: Facility ID: Facility Type: Other Type: Total Tanks: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip:	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010Site 3 of 4 in cluster DSite 3 of 4 in cluster DHIST UST: Region:STATE Facility ID:Facility ID:00000046910Facility Type:OtherOther Type:BAKERYTotal Tanks:0001Contact Name:FRED CRISCIONETelephone:8183579866Owner Name:FEDERICO'S INC.Owner Address:1860 EVERGREEN DR.Owner City,St,Zip:DUARTE, CA 91010	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010Site 3 of 4 in cluster DHIST UST: Region:Region:STATE Facility ID:00000046910 Facility Type:Other Other Type:Other Type:BAKERY Total Tanks:0001 Contact Name:FRED CRISCIONE Telephone:8183579866 Owner Name:Owner Address:1860 EVERGREEN DR. Owner City,St,Zip:DUARTE, CA 91010	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010Site 3 of 4 in cluster DHIST UST: Region:Region:STATE Facility ID:00000046910 Facility Type:Other Other Type:Other Type:BAKERY 	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010Site 3 of 4 in cluster DHIST UST: Region:Region:STATE Facility ID:00000046910 Facility Type:Other Other Type:BAKERY Total Tanks:O001 Contact Name:FRED CRISCIONE Telephone:B183579866 Owner Name:Owner Address:1860 EVERGREEN DR. Owner City,St,Zip:DUARTE, CA 91010	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010HIST USTSite 3 of 4 in cluster DHIST UST: Region:STATE Facility ID:Region:STATE Facility Type:Other Type:00000046910 Facility Type:Other Type:BAKERY Total Tanks:Other Type:BAKERY Facility ID:Total Tanks:0001 Contact Name:Contact Name:FRED CRISCIONE FEDERICO'S INC. Owner Name:Owner Address:1860 EVERGREEN DR. Owner City,St,Zip:DUARTE, CA 91010

D20

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

U001566469

### FEDERICO'S BAKERY (Continued)

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

APPLE GRAPHICS INC

Furnace exemption:

RCRA-SQG 1001201414 R000020669

ENE < 1/8 0 043 mi	1858 EVERGREEN ST DUARTE, CA 91010	FINDS CAI LOS ANGELES CO. HMS HAZNET			
229 ft.	Site 4 of 4 in cluster D				
Relative: Higher Actual: 500 ft.	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	:06/23/1997 APPLE GRAPHICS INC 1858 EVERGREEN ST DUARTE, CA 91010 CAR000020669 EVERGREEN ST DUARTE, CA 91010 LEONARD CHCHON 1858 EVERGREEN ST DUARTE, CA 91010 US (818) 301-4277 Not reported 09 Small Small Quantity Generator 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			
		nazardous waste at any time			
	Owner/Operator Summary:				
	Owner/operator name: 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 Not reported			
	Owner/Op end date:	Not reported			
	Handler Activities Summary:				
	U.S. importer of hazardous waste: No				
	Mixed waste (haz. and radioad	CIIVE): NO			
	Recycler of hazardous Waste:	INU te: No			
	Treater storer or disposer of F	ιε. πο ΗΨ· Νο			
	Underground injection activity	No			
	On-site burner exemption:	No			

No

Database(s)

EDR ID Number EPA ID Number

#### **APPLE GRAPHICS INC (Continued)**

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:

#### FINDS:

Registry ID:

110002917988

No violations found

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:

LA
016523-021915
101
Permit
3R
000112401
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 SiteNo Treatment/Reovery
	(H010-H129) Or (H131-H135)
Tons:	0.209
Facility County:	Los Angeles
Year:	2009
Gepaid:	CAR000020669
Contact:	DEMETRIS IOANNOU/CONTROLLER

Database(s)

EDR ID Number EPA ID Number

#### APPLE GRAPHICS INC (Continued)

Telephone: 6263014277 Mailing Name: Not reported 1858 EVERGREEN ST Mailing Address: DUARTE, CA 910100000 Mailing City, St, Zip: Gen County: Not reported TSD EPA ID: TXD077603371 Not reported TSD County: 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 1858 EVERGREEN ST Mailing Address: Mailing City,St,Zip: DUARTE, CA 910100000 Gen County: Not reported TSD EPA ID: CAD093459485 TSD County: Not reported Unspecified solvent mixture Waste Category: **Disposal Method:** Storage, Bulking, And/Or Transfer Off Site -- No Treatment/Reovery (H010-H129) Or (H131-H135) 0.054 Tons: Facility County: Los Angeles Year: 2008 CAR000020669 Gepaid: DEMETRIS IOANNOU/CONTROLLER Contact: Telephone: 6263014277 Mailing Name: Not reported Mailing Address: 1858 EVERGREEN ST DUARTE, CA 910100000 Mailing City, St, Zip: Not reported Gen County: 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 DEMETRIS IOANNOU/CONTROLLER Contact: 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)

<u>Click this hyperlink</u> 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.	CITY OF HOPE MEDICAL CENTE 1500 E DUARTE RD DUARTE, CA 91010	R RCRA-LQG FINDS NPDES CA FID UST UST	1000440531 CAD066698408
Relative: Lower		HIST UST MANIFEST SWEEPS UST	
Actual: 472 ft.		LOS ANGELES CO. HMS EMI US AIRS	
	RCRA-LQG: Date form received by agenc Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Telephone ext.: Contact email: EPA Region: Land type: Classification: Description:	y:07/31/2012 CITY OF HOPE MEDICAL CENTER 1500 E. DUARTE RD. DUARTE, CA 91010 CAD066698408 E. DUARTE RD. DUARTE, CA 91010 CHUCK PICKERING E. DUARTE RD. DUARTE, CA 91010 Not reported (626) 256-4673 62311 CPICKERING@COH.ORG 09 Private Large Quantity Generator 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 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 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 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	1
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	DR. MICHAEL FRIEDMAN E. DUARTE RD. DUARTE, CA 91010 Not reported 6262564673 6231 Private Owner 01/01/1913 Not reported	

Database(s)

EDR ID Number EPA ID Number

### CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

CITY	OF HOPE MEDICAL CENTE	R (Continued)	1000440531
	Classification:	Large Quantity Generator	
	Date form received by agency Facility name: Classification:	: 03/04/1999 CITY OF HOPE MEDICAL CENTER Large Quantity Generator	
	Date form received by agency Facility name: Classification:	: 09/01/1996 CITY OF HOPE MEDICAL CENTER Large Quantity Generator	
	Date form received by agency Facility name: Site name: Classification:	: 02/27/1996 CITY OF HOPE MEDICAL CENTER CITY OF HOPE NATIONAL MEDICAL CTR. Large Quantity Generator	
	Date form received by agency Facility name: Site name: Classification:	: 05/03/1994 CITY OF HOPE MEDICAL CENTER CITY OF HOPE NAT. MEDICAL CENTER Large Quantity Generator	
	Date form received by agency Facility name: Classification:	:05/16/1986 CITY OF HOPE MEDICAL CENTER Large Quantity Generator	
н	azardous Waste Summary:		
	Waste name:	D001 IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HA LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PE CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DET FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WAS	AVE A FLASHPOINT OF ENSKY-MARTENS 'ERMINING THE ' DATA SHEET, RIBUTOR OF THE Y USED SOLVENT STE.
	Waste code: Waste name:	D002 A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUI CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUST OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED. DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS V	12.5 IS M HYDROXIDE, A RIES TO CLEAN A LOW PH, IS PAINTING. WHEN AND MUST BE VASTE.
	Waste code: Waste name:	D003 A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WA NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENER WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLA OF SUCH WASTE WOULD BY WASTE GUNPOWDER.	ASTE IF IT IS RATES TOXIC GASES T IS CAPABLE OF AME. ONE EXAMPLE
	Waste code: Waste name:	D007 CHROMIUM	
	Waste code: Waste name:	D008 LEAD	
	Waste code:	D009	

Database(s)

EDR ID Number EPA ID Number

CITY	OF HOPE MEDICAL CENTER	R (Continued)	1000440531
	Waste name:	MERCURY	
	Waste code: Waste name:	D011 SILVER	
	Waste code: Waste name:	D022 CHLOROFORM	
	Waste code: Waste name:	D038 PYRIDINE	
	Waste code: Waste name:	F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOF METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLORO CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLEND BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPEN SPENT SOLVENT MIXTURES.	ROETHYLENE, ETHANE, OS CONTAINING, OF ONE OR MORE 001, F004, OR NT SOLVENTS AND
	Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KE ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTU CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-H SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUM MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN MIXTURES.	ACETONE, ETHYL TONE, N-BUTYL NT SPENT RES/BLENDS ALOGENATED IE) OF ONE OR 5, AND STILL ID SPENT SOLVENT
	Waste code: Waste name:	F005 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUEN KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OF LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RI THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	IE, METHYL ETHYL MIXTURES/BLENDS (BY VOLUME) OF R THOSE SOLVENTS ECOVERY OF
	Waste code: Waste name:	P003 ACROLEIN	
	Waste code: Waste name:	P057 ACETAMIDE, 2-FLUORO-	
	Waste code: Waste name:	P098 POTASSIUM CYANIDE	
	Waste code: Waste name:	P105 SODIUM AZIDE	
	Waste code: Waste name:	U007 ACRYLAMIDE	

EDR ID Number Database(s) EPA ID Number

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-, [1A 8BETA,8AALPHA,8BALPHA)]-	S-(1AALPHA,
Waste code:	U133	
Waste name:	HYDRAZINE (R,T)	
Waste code:	U189	
Waste name:	PHOSPHORUS SULFIDE (R)	
Biennial Reports:		
ast Biennial Reporting Yea	ar: 2013	
Annual Waste Handled:		
Waste code:	D001	
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES W LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL WHICH CAN BE OBTAINED FROM THE MANUFACTURER OF MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A CON WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDO	HICH HAVE A FLASHPOINT OF BY A PENSKY-MARTENS OF DETERMINING THE SAFETY DATA SHEET, R DISTRIBUTOR OF THE MONLY USED SOLVENT DUS WASTE.
Amount (Lbs):	42651	
Waste code: Waste name:	D002 A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTIO USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PM THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMIN	R THAN 12.5 IS SODIUM HYDROXIDE, A INDUSTRIES TO CLEAN IN WITH A LOW PH, IS IOR TO PAINTING. WHEN NATED AND TO
Amount (Lbs):	42651	DOUS WASTE.
Waste code:	D003	
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARD NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT O OF SUCH WASTE WOULD BY WASTE GUNPOWDER.	OUS WASTE IF IT IS 8, GENERATES TOXIC GASES OR IF IT IS CAPABLE OF OR A FLAME. ONE EXAMPLE
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	
vvasie coue.		

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTE	R (Continued)	1000440531
Waste name: Amount (Lbs):	PYRIDINE 27191	
Waste code: Waste name:	F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOF METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLORO CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLEND BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPEN SPENT SOLVENT MIXTURES. 27101	ROETHYLENE, ETHANE, IS CONTAINING, OF ONE OR MORE 001, F004, OR NT SOLVENTS AND
Amount (Ebs).	27131	
Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KE ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTU CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-H. SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUM MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN MIXTURES.	, ACETONE, ETHYL TONE, N-BUTYL NT SPENT RES/BLENDS ALOGENATED IE) OF ONE OR 5, AND STILL ID SPENT SOLVENT
Amount (Lbs):	27191	
Waste code: Waste name:	F005 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUEN KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OF LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RE THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES	IE, METHYL ETHYL MIXTURES/BLENDS (BY VOLUME) OF R THOSE SOLVENTS ECOVERY OF
Amount (Lbs):	27191	
Waste code: Waste name: Amount (Lbs):	U007 ACRYLAMIDE 14863	
Waste code: Waste name:	U010 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-(1AALP 8BETA,8AALPHA,8BALPHA)]-	HA,
Amount (Lbs):	433	
Violation Status:	No violations found	
Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance:	10/23/2003 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported	

Database(s)

EDR ID Number EPA ID Number

#### **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 2009-0009-DWQ Order No: Regulatory Measure Type: Enrollee Place Id: Not reported WDID: 4 19C355735 Program Type: Construction

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

Adoption Date Of R Effective Date Of R Expiration Date Of R Termination Date O Discharge Name: Discharge Address: Discharge City: Discharge State: Discharge Zip:	egulatory Measure: egulatory Measure: Regulatory Measure: f Regulatory Measure:	Not reported 07/06/2009 Not reported 02/28/2012 City of Hope 1500 E Duarte Rd Duarte California 91010
Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Order No: Regulatory Measure Place Id: WDID: Program Type: Adoption Date Of R Effective Date Of R Effective Date Of R Expiration Date Of R Termination Date Of Discharge Name: Discharge Address: Discharge City: Discharge State: Discharge Zip:	e Id: e Type: egulatory Measure: egulatory Measure: Regulatory Measure: f Regulatory Measure:	CAS000002 Active 0 4 420918 2009-0009-DWQ Enrollee Not reported 4 19C362669 Construction Not reported 12/19/2011 Not reported Not reported Not reported City of Hope National Medical Center 1500 E Duarte Road Duarte California 91010
CA FID UST: Facility ID: Regulated By: Regulated ID: Cortese Code: SIC Code: Facility Phone: Mail To: Mailing Address: Mailing Address 2: Mailing Address 2: Mailing City,St,Zip: Contact: Contact Phone: DUNs Number: NPDES Number: EPA ID: Comments: Status:	19000157 UTNKA 00019026 Not reported 818000000 Not reported 208 W 008TH ST RM17 Not reported DUARTE Not reported Not reported	100
UST: Facility ID: 1 Latitude: 3 Longitude: - <sup>2</sup>	69 4.13224 117.97171	
HIST UST: Region:	STATE	

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

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 00001 Quantity: Units: Y - Cubic yards\* (.85 tons) Number of Containers: 001 DM - Metal drums, barrels Container Type: Handling Method: T Chemical, physical, or biological treatment. Specific Gravity: 100 87 Year: 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 870512 Part A Recv Date: Part B Recv Date: 870506 CAD066698408 Generator EPA ID: NYD980769947 Trans1 EPA ID: Trans2 EPA ID: Not reported

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

TSDF ID: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Year: Document ID: Manifest Status: Trans1 State ID: Trans2 State ID: Generator Ship Date: Trans1 Recv Date: Trans2 Recv Date: TSD Site Recv Date: Part A Recv Date: Part B Recv Date: Generator EPA ID: Trans1 EPA ID: Trans2 EPA ID: TSDF ID: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity:

Waste Code:

Number of Containers:

Quantity:

Units:

1000440531 NYD000632372 D001 - NON-LISTED IGNITABLE WASTES 00010 P - Pounds 004 DM - Metal drums, barrels B Incineration, heat recovery, burning. 100 Not reported 00025 P - Pounds 004 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00005 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00002 P - Pounds 001 DM - Metal drums, barrels B Incineration, heat recovery, burning. 100 87 NYA6090921 Completed after the designated time period for a TSDF to get a copy to the DEC NY-X17593 Not reported 870722 870722 Not reported 870803 870817 870827 CAD066698408 NYD980769947 Not reported NYD000632372 D001 - NON-LISTED IGNITABLE WASTES 00030 Y - Cubic yards\* (.85 tons) 002 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00030 Y - Cubic yards\* (.85 tons) 002

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity	100
Waste Code	Not reported
Quantity:	00015
Linite:	V = Cubic varde* (85 tons)
Number of Containers:	
Container Type:	DM Matal druma harrala
Container Type.	DM - Metal drums, partels
Handling Method:	i 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
Linite:	P - Pounds
Number of Containers:	001
Container Type:	DM Motal drums barrole
Londling Mathadi	Divi - Metal uluits, ballets
Randling Method.	D incineration, neat 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 Recy Date:	870722
Trans2 Recy Date	Not reported
TSD Site Recy Date	870803
Part A Recy Date:	870817
Part B Recy Date:	870827
Generator EPA ID:	CAD066698408
Trans1 FPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
	NYD000632372
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00015
l Inite	P - Pounde
Number of Containers:	n - i ounus nn1
Container Type:	DM - Metal drums, barrels
Handling Mothod	T Chamical uluins, ballels
Specific Gravity:	r onemical, physical, or biological tredthem.
Wasto Codo:	Not reported
Quantity:	
Quality.	

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Year:

Document ID: Manifest Status: Trans1 State ID: Trans2 State ID: Generator Ship Date: Trans1 Recv Date: Trans2 Recv Date: TSD Site Recv Date: Part A Recv Date: Part B Recv Date: Generator EPA ID: Trans1 EPA ID: Trans2 EPA ID: TSDF ID: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method:

Specific Gravity:

P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00560 P - Pounds 006 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00030 P - Pounds 002 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00295 P - Pounds 004 DM - Metal drums, barrels B Incineration, heat recovery, burning. 100 D001 - NON-LISTED IGNITABLE WASTES 00530 P - Pounds 004 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 87 NYA6090921

Completed after the designated time period for a TSDF to get a copy to the DEC NY-X17593 Not reported 870722 870722 Not reported 870803 870817 870827 CAD066698408 NYD980769947 Not reported NYD000632372 D002 - NON-LISTED CORROSIVE WASTES 00015 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100

Database(s)

EDR ID Number EPA ID Number

1000440531

#### CITY OF HOPE MEDICAL CENTER (Continued)

Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Year:

Document ID: Manifest Status: Trans1 State ID: Trans2 State ID: Generator Ship Date: Trans1 Recv Date: Trans2 Recv Date: TSD Site Recy Date: Part A Recv Date: Part B Recv Date: Generator EPA ID: Trans1 EPA ID: Trans2 EPA ID: TSDF ID: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Waste Code: Quantity: Units: Number of Containers: Container Type: Handling Method: Specific Gravity: Year:

Not reported 00250 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00015 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00015 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 87 NYA5463279 Completed copy 74492B-NY Not reported 880325 880325 Not reported 880408 880404 880415 CAD066698408 NYD980769947 Not reported NYD000632372 D001 - NON-LISTED IGNITABLE WASTES 00001 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 Not reported 00003 P - Pounds 001 DM - Metal drums, barrels T Chemical, physical, or biological treatment. 100 88

Document ID: Manifest Status: NYA5463261

Completed copy

TC3599441.2s Page 55

Database(s)

EDR ID Number EPA ID Number

Trans1 State ID: 47490A-NY 86555ZNY Trans2 State ID: Generator Ship Date: 880523 Trans1 Recv Date: 880523 Trans2 Recv Date: Not reported 880602 TSD Site Recv Date: Part A Recv Date: 880531 Part B Recv Date: 880608 Generator EPA ID: CAD066698408 Trans1 EPA ID: NYD980769947 Trans2 EPA ID: Not reported NYD000632372 TSDF ID: D001 - NON-LISTED IGNITABLE WASTES Waste Code: 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 Not reported Waste Code: 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 P - Pounds Units: Number of Containers: 001 DM - Metal drums, barrels Container Type: Handling Method: T Chemical, physical, or biological treatment. Specific Gravity: 100 Year: 88 Document ID: NYA5463252 Manifest Status: Completed copy 47490 Trans1 State ID: 86555ZNY Trans2 State ID: 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 D001 - NON-LISTED IGNITABLE WASTES Waste Code: Quantity: 00050 P - Pounds Units: Number of Containers: 002 Container Type: DM - Metal drums, barrels Handling Method: T Chemical, physical, or biological treatment. Specific Gravity: 100
Database(s)

EDR ID Number EPA ID Number

1000440531

# CITY OF HOPE MEDICAL CENTER (Continued) 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: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Tank Status: Owner Tank Id: Swrcb Tank Id: Actv Date: Capacity: Tank Use: Stg: Content: Number Of Tanks:	Active 169 9 44-007397 06-30-89 Not reported 06-30-89 A Not reported 19-000-000169-000001 06-30-89 Not reported UNKNOWN W Not reported 5
Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Tank Status: Owner Tank Id: Swrcb Tank Id: Actv Date: Capacity: Tank Use: Stg: Content: Number Of Tanks:	Active 169 9 44-007397 06-30-89 Not reported 06-30-89 A Not reported 19-000-000169-000002 06-30-89 Not reported UNKNOWN W Not reported Not reported Not reported Not reported Not reported 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

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

	Stg:		W Not reported
	Number Of Tanks		Not reported
		•	Not reported
	Status:		Active
	Comp Number:		169
	Number:		9
	Board Of Equalization	ation:	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
	Tank Use:		
	Stg:		VV Not reported
	Content:		Not reported
	Number Of Tanks		Not reported
	Status:		Active
	Comp Number:		169
	Number:		9
	Board Of Equalization	ation:	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
LC	S ANGELES CO.	HMS:	
	Region:	LA	0.100400
	Facility Id:	00010	08-100109
	Facility Status	IUZ Dormi	+
	Aroa.	2P	
	Permit Number	00000	15203
	Permit Status	Permi	15235 it
	r onnit otatao.	i onn	
	Region:	LA	
	Facility Id:	00016	68-000169
	Facility Type:	Т0	
	Facility Status:	Permi	t
	Area:	3R	
	Permit Number:	00005	5435T
	Permit Status:	Permi	t
	Decient		
	Region. Facility Id:	LA 03357	77-056899
	i donity id.	00001	,

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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/Vr:	1
Part Matter 10 Micrometers & Smllr Tons/Vr	0
	0
Voor	1000
County Codo:	10
Air Basin:	19
	32104
Facility ID.	23194
SIC Code.	
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

Database(s) EPA ID

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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
	1000
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 Into System:	Not reported
Consolidated Emission Reporting Rule:	
Total Organic Hydrocarbon Gases Tons/Yr:	4
Carbon Manavida Emissiona Tana/Vri	5
	57
NOX - Oxides of Nillogen Tons/ IT.	4
SOA - Oxides of Sulphur Toris/ IT.	0
Part Matter 10 Micrometers & Smllr Tons/Vr	0
	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 <sup>.</sup>	2002
County Code:	19
Air Basin <sup>.</sup>	SC
Facility ID:	23194
Air District Name:	SC
SIC Code:	8062

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTER (Continued)	
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	1
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	46
Carbon Monoxide Emissions Tons/Yr:	5
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:	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
Reactive Organic Gases Tons/Yr:	46
Carbon Monoxide Emissions Tons/Yr:	5
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: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers & Smllr Tons/Yr:	2004 19 SC 23194 SC 8062 SOUTH COAST AQMD Y Not reported 1.40673 0.94 45.6462 5.31 0.082113 0.38723 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

Database(s)

EDR ID Number EPA ID Number

1000440531

# CITY OF HOPE MEDICAL CENTER (Continued)

NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr:	9.107 .10083 .6648
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.6556005
Year:	2007
Air Basin:	SC
Facility ID: Air District Name:	23194 SC
SIC Code:	8062
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr	Not reported 2 066337249075828562
Reactive Organic Gases Tons/Yr:	1.470262050000000000
Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr:	7.470255 19.8311725
SOX - Oxides of Sulphur Tons/Yr:	.22520415
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.62008375

## AIRS (AFS):

Compliance and Violation Data Major Sources:

ompliance 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

# MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

Air program: TITLE V PERMITS NXXXXX National action type: 080328 Date achieved: Penalty amount: 000015000 TITLE V PERMITS Air program: COMPLIANCE CERTIFICATION STATE REVIEW National action type: Date achieved: 080530 Penalty amount: Not reported SIP SOURCE Air program: National action type: COMPLIANCE CERTIFICATION STATE REVIEW 080530 Date achieved: 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 STATE CONDUCTED PCE/ ON-SITE National action type: 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 TITLE V PERMITS Air program: National action type: SV RESOLVED Date achieved: 080825 Penalty amount: Not reported TITLE V PERMITS Air program: 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 TITLE V PERMITS Air program: 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 TITLE V PERMITS Air program: National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY

Database(s)

EDR ID Number EPA ID Number

1000440531

#### CITY OF HOPE MEDICAL CENTER (Continued)

#### Date achieved: 090219 Penalty amount: Not reported TITLE V PERMITS Air program: National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD Date achieved: 090222 Penalty amount: Not reported SIP SOURCE Air program: National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD 090222 Date achieved: Penalty amount: Not reported Air program: SIP SOURCE COMPLIANCE CERTIFICATION STATE REVIEW National action type: Date achieved: 090609 Penalty amount: Not reported Air program: TITLE V PERMITS COMPLIANCE CERTIFICATION STATE REVIEW National action type: Date achieved: 090609 Penalty amount: Not reported Air program: TITLE V PERMITS STATE CONDUCTED PCE/ ON-SITE National action type: Date achieved: 090630 Penalty amount: Not reported TITLE V PERMITS Air program: 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 **TITLE V PERMITS** Air program: National action type: STATE CONDUCTED FCE / ON-SITE Date achieved: 090630 Penalty amount: Not reported SIP SOURCE Air program: STATE CONDUCTED PCE/ ON-SITE National action type: Date achieved: 090630 Penalty amount: Not reported Air program: SIP SOURCE STATE CONDUCTED FCE / ON-SITE National action type: 090630 Date achieved: Penalty amount: Not reported TITLE V PERMITS Air program: National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD Date achieved: 090722 Penalty amount: Not reported

EDR ID Number Database(s)

1000440531

**EPA ID Number** 

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

Air program: SIP SOURCE S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD National action type: 090722 Date achieved: Penalty amount: Not reported TITLE V PERMITS Air program: National action type: STATE DAY 0 Date achieved: 091113 Penalty amount: Not reported SIP SOURCE Air program: 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 TITLE V PERMITS Air program: National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY Date achieved: 100305 Penalty amount: Not reported TITLE V PERMITS Air program: National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY Date achieved: 100311 Penalty amount: Not reported TITLE V PERMITS Air program: National action type: SV RESOLVED Date achieved: 100318 Penalty amount: Not reported SIP SOURCE Air program: National action type: SV RESOLVED 100318 Date achieved: Penalty amount: Not reported SIP SOURCE Air program: COMPLIANCE CERTIFICATION STATE REVIEW National action type: 100916 Date achieved: Penalty amount: Not reported TITLE V PERMITS Air program: National action type: COMPLIANCE CERTIFICATION STATE REVIEW

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

Date achieved: 100916 Penalty amount: Not reported SIP SOURCE Air program: National action type: STATE CONDUCTED PCE/ ON-SITE Date achieved: 100924 Penalty amount: Not reported TITLE V PERMITS Air program: National action type: STATE CONDUCTED PCE/ ON-SITE 100924 Date achieved: Penalty amount: Not reported Air program: TITLE V PERMITS STATE CONDUCTED FCE / ON-SITE National action type: Date achieved: 100928 Penalty amount: Not reported Air program: SIP SOURCE STATE CONDUCTED FCE / ON-SITE National action type: Date achieved: 100928 Penalty amount: Not reported Air program: TITLE V PERMITS TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY National action type: 110216 Date achieved: Penalty amount: Not reported SIP SOURCE Air program: National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY Date achieved: 110216 Penalty amount: Not reported Air program: SIP SOURCE STATE CONDUCTED PCE/ ON-SITE National action type: Date achieved: 110701 Penalty amount: Not reported TITLE V PERMITS Air program: National action type: STATE CONDUCTED PCE/ ON-SITE Date achieved: 110701 Penalty amount: Not reported SIP SOURCE Air program: STATE CONDUCTED FCE / ON-SITE National action type: Date achieved: 110706 Penalty amount: Not reported Air program: **TITLE V PERMITS** National action type: STATE CONDUCTED FCE / ON-SITE 110706 Date achieved: Penalty amount: Not reported Air program: SIP SOURCE National action type: COMPLIANCE CERTIFICATION STATE REVIEW Date achieved: 110706 Penalty amount: Not reported

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

	Date achieved: Penalty amount:	120220 Not reported
	Air program: National action type: Date achieved: Penalty amount:	SIP SOURCE TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY 120220 Not reported
	Air program: National action type: Date achieved: Penalty amount:	TITLE V PERMITS COMPLIANCE CERTIFICATION STATE REVIEW 120803 Not reported
	Air program: National action type: Date achieved: Penalty amount:	TITLE V PERMITS STATE CONDUCTED PCE/ ON-SITE 120803 Not reported
	Air program: National action type: Date achieved: Penalty amount:	SIP SOURCE COMPLIANCE CERTIFICATION STATE REVIEW 120803 Not reported
	Air program: National action type: Date achieved: Penalty amount:	SIP SOURCE STATE CONDUCTED PCE/ ON-SITE 120803 Not reported
	Air program: National action type: Date achieved: Penalty amount:	SIP SOURCE STATE CONDUCTED FCE / ON-SITE 120918 Not reported
	Air program: National action type: Date achieved: Penalty amount:	TITLE V PERMITS STATE CONDUCTED FCE / ON-SITE 120918 Not reported
	Air program: National action type: Date achieved: Penalty amount:	SIP SOURCE MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER 980624 00000000
н	istorical Compliance Minor Sou State compliance status: Hist compliance date: Air prog code hist file:	rces: IN COMPLIANCE - INSPECTION 0904 0
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 0904 V
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1001 0
	State compliance status:	IN COMPLIANCE - INSPECTION

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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: Hist compliance date:	IN COMPLIANCE - INSPECTION 1104

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

	Air prog code hist file:	V
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1201 0
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1201 V
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1202 0
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1202 V
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1203 0
	State compliance status: Hist compliance date: Air prog code hist file:	IN COMPLIANCE - INSPECTION 1203 V
F	Permit Information: Compliance plant ID: Permit number: Permit category: Permit category desc:	C0478 23194 V TITLE V PERMIT - PLANT SP
F	Permit Source: Compliance plant ID: Plant name: Plant address:	C0478 CITY OF HOPE MEDICAL CENTER 1500 E DUARTE RD DUARTE, CA 910100000
E	Event Information: Compliance permit ID: Permit number: Event action type: Event description: Event action #: Event date:	C0478 23194 IF *PERMIT AUTHORITY ISSUES FINAL PERMIT 001 20050713

			MAP FINDINGS		
Site	۹			Database(s)	EDR ID Nur EPA ID Nur
OCCUPANT 1802 SANTO DOMIN DUARTE, CA 91010	GO AVE			WIP	S10676511 N/A
Site 1 of 4 in cluster	E				
WIP:					
Region: File Number:	4 106.2050				
File Status:	Not reporte	ed			
Staff: Facility Suite:	UNIDENTIF Not reported	d			
DUARTE HIGH				RCRA-SQG	100081895
1565 E CENTRAL DUARTE, CA 91010				FINDS	CAD98364
RCRA-SQG:					
Date form receiv	ved by agency	:09/22 DUAF	2/1992 RTE HIGH SCHOOL		
Facility address:	:	1565	E CENTRAL		
			RTE, CA 91010		
Mailing address	:	E CE	NTRAL		
c c		DUAF	RTE, CA 91010		
Contact: Contact address	<u>.</u>	1565	MAS CLARK E CENTRAL		
		DUAF	RTE, CA 91010		
Contact country	:	US	050 4404		
Contact telepho Contact email	ne:	(818) Not re	358-1191 eported		
EPA Region:		09			
Classification:		Small	Small Quantity Generator		
Description:		Hand waste hazar	ler: generates more than 100 and less than 1 e during any calendar month and accumulates rdous waste at any time; or generates 100 kg	000 kg of hazardous less than 6000 kg of or less of hazardous s more than 1000 kg of	
		hazar	dous waste at any time		
Owner/Operator Su	ummary: name:		RTE SCHOOL DIST		
Owner/operator	address:	1620 DUAF	HUNTINGTON DR RTE, CA 91010		
Owner/operator	country:	Not re	eported		
Owner/operator	telephone:	(818) Coun	358-1191 tv		
Owner/Operator	Type:	Owne	er		
Owner/Op start Owner/Op end o	date: late:	Not re Not re	eported eported		
Handler Activities S	Summary:	aeto:	No		
U.S. Importer of Mixed waste (ha	nazardous wa az. and radioad	stive):	No		
Recycler of haza	ardous waste:		No		
Transporter of h	azardous was	te:	No		
rieater, storer o	a uisposer of h	איר:			

Database(s)

EDR ID Number EPA ID Number

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 East 1/8-1/4 0.137 mi.	MAJESTIC PARTY SALI 1857 BUSINESS CENTE DUARTE, CA 91010	ES, INC. R DR
721 ft.	Site 2 of 4 in cluster E	
Relative: Higher	HIST UST: Region: Facility ID:	STATE 00000041132
Actual: 501 ft.	Facility Type: Other Type: Total Tanks: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip:	Other TUPPERWARE DISTRIB. 0001 KIRK KEELER 8183579746 MAJESTIC PARTY SALES, INC. 1857 BUSINESS CENTER DR. DUARTE, CA 91010
	Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for:	001 01 1980 00000000 PRODUCT

HIST UST U001566479 N/A

Map ID Direction Distance	l		MAP FINDINGS		EDR ID Number
Elevation	Site			Database(s)	EPA ID Number
	MAJESTIC PARTY SALES, IN	C. (Conti	inued)		U001566479
	Type of Fuel:Not iTank Construction:Not iLeak Detection:Note	eported eported			
25 ENE 1/8-1/4 0.141 mi. 744 ft.	IBIS SYSTEMS INC 1850 EVERGEEN DR DUARTE, CA 91010			RCRA NonGen / NLR FINDS	1000376024 CAD981685977
Relative: Higher	RCRA NonGen / NLR: Date form received by age	ncy: 10/2	3/1986		
Actual: 504 ft.	Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description: Owner/Operator Summary: Owner/operator name: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone Legal status: Owner/Operator Type:	IBIS IBIS 1850 DUA EVE DUA EVV 1850 DUA US (818 Not r 09 Non- Hand JEAI NOT NOT NOT NOT Sof riva Own	SYSTEMS INC ) EVERGEEN DR RTE, CA 91010 )981685977 RGEEN DR RTE, CA 91010 'IRONMENTAL MANAGER ) EVERGEEN DR RTE, CA 91010 ) 357-2180 reported -Generator dler: Non-Generators do not presently generative MAY RECH <sup>-</sup> REQUIRED <sup>-</sup> REQUIRED <sup>-</sup> REQUIRED, ME 99999 reported ) 555-1212 ate ler	ate hazardous waste	
	Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone Legal status: Owner/Operator Type:	Not r Not r NOT NOT NOT C (415 Priva Open	reported reported REQUIRED REQUIRED, ME 99999 reported ) 555-1212 ate rator		
	Handler Activities Summary: U.S. importer of hazardour Mixed waste (haz. and rac Recycler of hazardous wa Transporter of hazardous	Not r Not r s waste: ioactive): ste: waste:	No No No No		
	Underground injection acti On-site burner exemption:	vity:	NO NO NO		

F

**IBIS SYSTEMS INC (Continued)** 

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	Furnace exemption: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to bur Used oil Specification marke Used oil transfer facility: Used oil transporter:	No No No ner: No ter: No No No		
	Violation Status:	No violations found		
	FINDS:			
	Registry ID:	110002752423		
	Environmental Interest/Inforr RCRAInfo Conservat events and and treat, program s corrective	nation System is a national information system that supports the Resource ion and Recovery Act (RCRA) program through the tracking of d activities related to facilities that generate, transport, store, or dispose of hazardous waste. RCRAInfo allows RCRA taff to track the notification, permit, compliance, and action activities required under RCRA.		
E26 East 1/8-1/4 0.145 mi. 763 ft	ASSEMBLY AUTOMATION 1858 BUSINESS CTR DR DUARTE, CA 91010 Site 3 of 4 in cluster F		 RCRA-SQG FINDS HAZNET	1000820230 CAD983662644
Relative: Higher	Date form received by agend	zy: 03/26/1993		
. ngilo.	Facility name:	ASSEMBLY AUTOMATION		
Actual:	Facility address:	1858 BUSINESS CTR DR		
501 11.		DUARTE, CA 91010 CAD983662644		
	Contact:	DENNIS BORIBOR		
	Contact address:	1858 BUSINESS CTR DR		
	Contact country:	US		
	Contact telephone:	(818) 303-2777		
	Contact email:	Not reported		
	EPA Region:	09		
	Classification: Description:	Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of waste during any calendar month and accumulates less thar hazardous waste at any time; or generates 100 kg or less of waste during any calendar month, and accumulates more that hazardous waste at any time	hazardous 16000 kg of hazardous an 1000 kg of	
	Owner/Operator Summary:			
	Owner/operator name: Owner/operator address:	FRANK FROST 1858 BUSINESS CTR DR DUARTE, CA 91010		
	Owner/operator country:	Not reported		
	Owner/operator telephone:	(818) 303-2777		
	Legal status: Owner/Operator Type:	Owner		

Database(s)

EDR ID Number EPA ID Number

#### **ASSEMBLY AUTOMATION (Continued)**

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

2005

Year:

Database(s)

EDR ID Number **EPA ID Number** 

#### **ASSEMBLY AUTOMATION (Continued)**

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 **Transfer Station Disposal Method:** Tons: 0.22 Facility County: Los Angeles Year: 2005 CAD983662644 Gepaid: Contact: Telephone: 6263032777 Mailing Name: Not reported Mailing Address: Mailing City, St, Zip: Gen County: Not reported TSD EPA ID: CAD981696420 TSD County: Not reported Waste Category: 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 2002 Year: Gepaid: CAD983662644 Contact: Telephone: 6263032777 Mailing Name: Not reported Mailing Address: Mailing City, St, Zip: Gen County: Not reported TSD EPA ID: CAT080033681 TSD County: Not reported Waste Category: **Disposal Method:** 

SCOTT THOMPSON 1849 BUSINESS CENTER DR **DUARTE, CA 91010** Waste oil and mixed oil

Tons: 0.1

SCOTT THOMPSON 1849 BUSINESS CENTER DR DUARTE, CA 91010 Other organic solids Disposal, Land Fill

Action Date:

Not reported

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	ASSEMBLY AUTOMATION (Continued)			1000820230	
	Facility County:	Los Angeles			
	<u>Cli</u> 9 a	ck this hyperlink while viewing on your computer to access dditional CA_HAZNET: record(s) in the EDR Site Report.			
E27 East 1/8-1/4 0.161 mi.	HOFFMAN EDUCATIONA 1863 BUSINESS CENTER DUARTE, CA 91010	L SYSTEM DR	WIP	S106765134 N/A	
848 ft.	Site 4 of 4 in cluster E				
Relative: Higher Actual:	WIP: Region: 4 File Number: 100 <b>File Status: No</b>	6.2077 t reported			
502 ft.	Staff: UN Facility Suite: No	IIDENTIFIED t reported			
28 NNE 1/8-1/4 0.207 mi. 1093 ft.	FREDRICKS DEVELOPM 1315 HIGHLAND AVE DUARTE, CA	ENT CORP	SWEEPS UST	S106926450 N/A	
Relative: Higher	SWEEPS UST: Status: Comp Number:	Active			
Actual: 516 ft.	Comp Number: Number: Board Of Equalization Referral Date: Action Date: Created Date: Tank Status: Owner Tank Id: Swrcb Tank Id: Actv Date: Capacity: Tank Use: Stg: Content: Number Of Tanks:	12449 9 n: Not reported 06-30-89 Not reported 06-30-89 Not reported Not reported			
29 WNW 1/8-1/4 0.232 mi. 1224 ft.	DUARTE NISSAN 1440 CENTRAL DUARTE, CA		SWEEPS UST	S106925551 N/A	
Relative: Lower Actual:	SWEEPS UST: Status: Comp Number: Number: Deced Of Francisco in	Active 14079 9			
40V II.	Board Of Equalization Referral Date:	1: 44-010346 06-30-89			

Database(s)

EDR ID Number EPA ID Number

S106925551

	Created Date: Tank Status: Owner Tank Id: Swrcb Tank Id: Actv Date: Capacity: Tank Use: Stg: Content: Number Of Tanks:	06-30-89 A Not reported 19-000-014079-000001 06-30-89 Not reported UNKNOWN W Not reported 2		
	Status:	Active		
	Comp Number:	14079		
	Board Of Equalization:	9 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: Acty Date:	19-000-014079-000002		
	Capacity:	Not reported		
	Tank Use:	UNKNOWN		
	Stg:	W		
	Content:	Not reported		
	Number Of Tanks:	Not reported		
30	DUARTE AUTO CENTER		HIST CORTESE S102058082	
30 North 1/4-1/2 0.315 mi. 1665 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010		HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative:	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE:		HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region:	CORTESE	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code:	CORTESE 19	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By:	CORTESE 19 LTNKA	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id:	CORTESE 19 LTNKA R-06089	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id:	CORTESE 19 LTNKA R-06089	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region:	CORTESE 19 LTNKA R-06089 STATE	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id:	CORTESE 19 LTNKA R-06089 STATE T0603704718	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed Core Cleand	HIST CORTESE \$102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 00/10/1007	HIST CORTESE \$102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY	HIST CORTESE \$102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number:	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-06089	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: CORTESE: Public Case Number: Contemported to the state of	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-06089 Not reported	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: File Location: Detexticl Media Media Media	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-06089 Not reported Not reported Seril	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	
30 North 1/4-1/2 0.315 mi. 1665 ft. Relative: Higher Actual: 536 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010 CORTESE: Region: Facility County Code: Reg By: Reg Id: LUST: Region: Global Id: Latitude: Longitude: Case Type: Status: Status Date: Lead Agency: Case Worker: Local Agency: RB Case Number: LOC Case Number: File Location: Potential Media Affect: Potential Contaminants	CORTESE 19 LTNKA R-06089 STATE T0603704718 34.1346113 -117.9393231 LUST Cleanup Site Completed - Case Closed 09/10/1997 LOS ANGELES COUNTY JOA LOS ANGELES COUNTY R-06089 Not reported Not reported Not reported Soil	HIST CORTESE S102058082 LUST N/A LOS ANGELES CO. HMS	

# **DUARTE NISSAN (Continued)**

Database(s)

EDR ID Number EPA ID Number

S102058082

# **DUARTE AUTO CENTER (Continued)**

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

Contact: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	TI R L S S L V V N	0603704718 egional Boa UE RONG OS ANGELE 20 W. 4TH S os Angeles rong@water ot reported	rd Caseworker ES RWQCB (REGION 4) ST., SUITE 200 boards.ca.gov
Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T( L( 9) A ja 62	0603704718 ocal Agency OHN AWUJ( OS ANGELE 00 S FREM( LHAMBRA wujo@dpw. 264583507	Caseworker O ES COUNTY DNT AVE lacounty.gov
Regulatory Activities: Global Id: Action Type: Date: Action:	T( O 0' L(	0603704718 ther 1/01/1950 eak Reporte	d
LUST REG 4:			
Region	4		
Regional Board	04		
County	Los Angele	es	
Eacility Id:	R-06089		
Status:	Case Clos	ed	
Substance:	1	Cu	
Substance Quantity:	Not report	ed	
Local Case No:	Not report	ed	
Case Type:	Soil	cu	
Abatement Method Lised at	the Site		Not reported
Global ID:	T0603704	718	Heriopolied
W Global ID	Not reporte	ed	
Staff:	LINK	ou -	
Local Agency:	19000		
Cross Street	Not reporte	ed	
Enforcement Type	Not reporte	ed	
Date Leak Discovered:	Not reporte	ed	
Date Leak First Reported:			9/10/1997
Date Leak Record Entered:	3/19/1998		
Date Confirmation Began:	Not reporte	ed	
Date Leak Stopped:	Not reporte	ed	
Date Case Last Changed or	n Database	:	9/10/1997
Date the Case was Closed:			9/10/1997
How Leak Discovered:	Not reporte	ed	
How Leak Stopped:	Not reporte	ed	
Cause of Leak:	Not reporte	ed	
Leak Source:	Not reporte	ed	

# TC3599441.2s Page 81

Database(s)

EDR ID Number EPA ID Number

# DUARTE AUTO CENTER (Continued)

Operator: Water System:	Not reported Not reported	
Well Name:	Not reported	
Approx. Dist To Production	Well (ft):	2321.3518484921197452901620661
Source of Cleanup Funding:		Not reported
Preliminary Site Assessmen	t Workplan Submitted:	Not reported
Preliminary Site Assessmen	it Began:	Not reported
Pollution Characterization B	egan:	Not reported
Remediation Plan Submittee	d:	Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monit	oring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in Soi	l:	Not reported
Significant Interim Remedia	I 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, AF	CADIA 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:	Т0
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	
Relative: Lower	CORTESE: Region:	CORTESE
Actual: 458 ft.	Facility County Code: Reg By: Reg Id:	19 LTNKA I-10657
	LUST:	
	Region:	STATE
	Global Id: Latitude:	r0603703645 34.1318821

HIST CORTESE S102427244 LUST N/A

S102058082

Database(s)

EDR ID Number EPA ID Number

#### S102427244

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

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) 320 W. 4TH ST., SUITE 200 Address: City: Los Angeles Email: yrong@waterboards.ca.gov Phone Number: Not reported T0603703645 Global Id: Contact Type: Local Agency Caseworker JOHN AWUJO Contact Name: LOS ANGELES COUNTY Organization Name: 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 01/01/1950 Date: Action: Leak Discovery T0603703645 Global Id: Action Type: Other 01/01/1950 Date: Action: Leak Reported LUST REG 4: Region: 4 Regional Board: 04 County: Los Angeles Facility Id: I-10657

Database(s)

EDR ID Number EPA ID Number

S102427244

_		
Status:	Case Closed	
Substance:	Waste Oil	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	<b></b>
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 o	n 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 2153477456083967223141414
Source of Cleanup Funding		UNK
Preliminary Site Assessme	nt Workplan Submitted	· Not reported
Preliminary Site Assessme	nt Regan:	Not reported
Pollution Characterization F	Began:	Not reported
Remediation Plan Submitte	d.	Not reported
Remedial Action Underway		Not reported
Post Remedial Action Monit	toring Began	Not reported
Enforcement Action Date:	toning Bogan.	Not reported
Historical Max MTRE Date:		Not reported
Historical Max MTBE Conc in Gr.	oundwater:	Not reported
Hist Max MTBE Conc in So	il·	Not reported
Significant Intorim Pomodia	N. Action Takon:	Not reported
	Not reported	Not reported
	Not reported	
	Not reported	
Organization:	Not reported	
Owner Contact:		
Responsible Party:	CHEVRON U.S.A.	
RP Address:	P.O. BOX 2833 LA H	ABRA, 90632
Program:		
Lat/Long:	34.131/502/-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

Database(s) EPA ID I

EDR ID Number EPA ID Number

32 WNW 1/4-1/2 0.431 mi. 2276 ft.	CITY OF DUARTE 1427 BUENA VISTA ST DUARTE, CA 91010		HIST CORTESE LUST LOS ANGELES CO. HMS	S100720633 N/A
Relative: Higher	CORTESE: Region:	CORTESE		
Actual	Facility County Code:	19 Thuến		
Actual: 487 ft	Reg By:			
407 10.	Reg Id:	-14948		
	LUST			
	Region:	STATE		
	Global Id:	T0603704232		
	Giobai Iu.	24 126286		
		117 0775901		
		-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 Con	con: Aviation		
	Site History:	Not reported		
	Site History.	Not reported		
	Click here to access the Califor	nia GeoTracker records for this facility:		
	Contact			
	Global Id:	T0603704232		
		Pagianal Paard Casawarkar		
	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 Casoworker		
	Contact Type.			
	Contact Name.			
	Organization Name:	LOS ANGELES COUNTY		
	Address:	900 S FREMONT AVE		
	City:	ALHAMBRA		
	Email:	jawujo@dpw.lacounty.gov		
	Phone Number:	6264583507		
	Regulatory Activities:	T0000704000		
	Global Id:	10603704232		
	Action Type:	Other		
	Date:	01/01/1950		
	Action:	Leak Reported		

Database(s)

EDR ID Number EPA ID Number

#### **CITY OF DUARTE (Continued)**

LUST REG 4: Region: 4 Regional Board: 04 County: Los Angeles Facility Id: I-14948 Case Closed Status: Substance: Not reported Substance Quantity: 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 Not reported Date Confirmation Began: 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 Not reported Cause of Leak: 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 Not reported Preliminary Site Assessment Began: Pollution Characterization Began: Not reported Remediation Plan Submitted: Not reported Remedial Action Underway: Not reported Not reported Post Remedial Action Monitoring Began: Not reported Enforcement Action Date: 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 CITY OF DUARTE Responsible Party: 1600 HUNTINGTON DRIVE, DUARTE, 91010 **RP Address:** LUST Program: Lat/Long: 34.136566 / -1 Local Agency Staff: Not reported Not reported Beneficial Use: Priority: Not reported Cleanup Fund Id: Not reported Suspended: Not reported

Database(s)

EDR ID Number EPA ID Number

#### S100720633

#### CITY OF DUARTE (Continued)

Assigned Name:	
Summary:	

### Not reported Not reported

LOS ANGELES CO. HMS:

A
08538-014948
lot reported
Removed
R
lot reported
lot reported

# 33JOHN'S FOREIGN CAR REPAIRNW1405 HUNTINGTON DR

1/4-1/2 DUARTE, CA 91010 0.457 mi. 2415 ft. LUST: **Relative:** Region: STATE Higher Global Id: T0603706372 Actual: Latitude: 34.140129 513 ft. Longitude: -117.975199 LUST Cleanup Site Case Type: Open - Site Assessment Status: Status Date: 10/25/2004 LOS ANGELES RWQCB (REGION 4) Lead Agency: Case Worker: YR LOS ANGELES COUNTY Local Agency: 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:

///laol.	
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

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

Database(s)

EDR ID Number EPA ID Number

#### JOHN'S FOREIGN CAR REPAIR (Continued)

**Regulatory Activities:** Global Id: T0603706372 Action Type: ENFORCEMENT Date: 09/15/2011 Action: Referral to Regional Board Global Id: T0603706372 ENFORCEMENT Action Type: Date: 11/01/2011 Action: Staff Letter T0603706372 Global Id: Action Type: Other 01/01/1950 Date: Action: Leak Discovery Global Id: T0603706372 Action Type: Other Date: 01/01/1950 Action: Leak Reported T0603706372 Global Id: Action Type: RESPONSE 01/15/2012 Date: Other Report / Document Action: HIST UST: STATE Region: Facility ID: 0000033966 Facility Type: Not reported Other Type: Not reported Total Tanks: 0001 Not reported Contact Name: 000000000 Telephone: Owner Name: JOHN'S FOREIGN CAR REPAIR Owner Address: 1405 E. HUNTINGTON DR. **DUARTE, CA 91010** Owner City, St, Zip: 001 Tank Num: Container Num: 1 Year Installed: 1978 00000180 Tank Capacity: Tank Used for: WASTE Type of Fuel: WASTE OIL Tank Construction: Not reported Leak Detection: None LOS ANGELES CO. HMS: Region: LA Facility Id: 004116-104262 Facility Type: 101 Facility Status: Closed Area: 3R 000010130 Permit Number: Permit Status: Closed

#### U001566477

Database(s)

EDR ID Number EPA ID Number

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

U001566477

34 NE 1/2-1 0.504 mi. 2660 ft.	FORMER LERNER'S GAS STATION 2107 HUNTINGTON DRIVE DUARTE, CA 91010		ENVIROSTOR	S107736333 N/A
Relative:	ENVIROSTOR:			
Higher	Site Type:	Evaluation		
	Site Type Detailed:	Evaluation		
Actual:	Acres:	0.5		
533 ft.	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:			
	Sile Mgmi. Req.:			
	Funding:	Orphan Funds		
		34.14001		
		-117.9597		
	APN.			
	Pasi Use.	MAINTENANCE	ING, VER	ICLE
	Potential COC:	30003, 30018, 30025, 30550, 30593		
	Confirmed COC:	30003,30025,30593,30550,30018		
	Potential Description:	NONE SPECIFIED		

Database(s)

EDR ID Number EPA ID Number

## S107736333

FORMER LERNER'S GAS STATION (	Continued)
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TDH 230 DU/	I GOLD CLEANING 0 E. CENTRAL AVENUE #I ARTE, CA 91010	ENVIROSTOR	S1104 N/A
_			• • • •
	Schedule Revised Date:	Not reported	
	Schedule Due Date:	Not reported	
	Schedule Document Type:	Not reported	
	Schedule Sub Area Name:	Not reported	
	Schedule Area Name:	Not reported	
	Future Due Date:	Not reported	
	Future Document Type:	Not reported	
	Future Sub Area Name:	Not reported	
	Future Area Name	Not reported	
		hydraulic lift.	
	Comments:	PEA Approved by DTSC with recommendation for further action around	
	Completed Date:	12/19/2005	
	Completed Document Type:	Preliminary Endangerment Assessment Report	
	Completed Sub Area Name:	Not reported	
C	Completed Info: Completed Area Name <sup>.</sup>		
	Alias Type:	Envirostor ID Number	
	Alias Name:	7000050	
	Alias Type:	Project Code (Site Code)	
	Alias Name:	301251	
	Alias Type:	APN	
	Alias Name:	8529010020	

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

35

Higher Site Type: Tered Permit   Site Type Detailed: Tiered Permit   Actual: Acres: Not reported   524 ft. 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	Relative:	ENVIROSTOR:	
Actual:   Acres:   Not reported     524 ft.   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	Higher	Site Type:	Tiered Permit
Actual:   Acres:   Not reported     524 ft.   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	• • •	Site Type Detailed:	Tiered Permit
524 π.   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     Anagembly:   Not reported	Actual:	Acres:	Not reported
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	524 ft.	NPL:	NO
Lead Agency: NONE SPECIFIED Program Manager: Not reported Supervisor: Not reported Division Branch: Cleanup Chatsworth Facility ID: 71003333 Site Code: Not reported Accomplay: Not reported		Regulatory Agencies:	NONE SPECIFIED
Program Manager: Not reported Supervisor: Not reported Division Branch: Cleanup Chatsworth Facility ID: 71003333 Site Code: Not reported		Lead Agency:	NONE SPECIFIED
Supervisor:Not reportedDivision Branch:Cleanup ChatsworthFacility ID:71003333Site Code:Not reportedAccomplay:Not reported		Program Manager:	Not reported
Division Branch:Cleanup ChatsworthFacility ID:71003333Site Code:Not reportedAccomplu:Not constant		Supervisor:	Not reported
Facility ID: 71003333 Site Code: Not reported		Division Branch:	Cleanup Chatsworth
Site Code: Not reported		Facility ID:	71003333
Accombly: Not reported		Site Code:	Not reported
Assembly. Not reported		Assembly:	Not reported
Senate: Not reported		Senate:	Not reported
Special Program: Not reported		Special Program:	Not reported
Status: Refer: Other Agency		Status:	Refer: Other Agency
Status Date: Not reported		Status Date:	Not reported
Restricted Use: NO		Restricted Use:	NO
Site Mgmt. Req.: NONE SPECIFIED		Site Mgmt. Req.:	NONE SPECIFIED
Funding: Not reported		Funding:	Not reported
Latitude: 0		Latitude:	0
Longitude: 0		Longitude:	0
APN: NONE SPECIFIED		APN:	NONE SPECIFIED
Past Use: NONE SPECIFIED		Past Use:	NONE SPECIFIED
Potential COC: NONE SPECIFIED		Potential COC:	NONE SPECIFIED
Confirmed COC: NONE SPECIFIED		Confirmed COC:	NONE SPECIFIED
Potential Description: NONE SPECIFIED		Potential Description:	NONE SPECIFIED

494366 N/A

Database(s)

EDR ID Number EPA ID Number

## S110494366

# TDH GOLD CLEANING (Continued)

Alias Name:	CAL000124904
Alias Type:	EPA Identification Number
Alias Name:	71003333
Alias Type:	Envirostor ID Number
Completed Info: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Phase 1 Non-Submittal 03/15/2001 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.	SOUTHWEST PRODUCTIONS CO 2240 BUENA VISTA IRWINDALE, CA 91706	RCRA-SQG FINDS NPDES HIST CORTESE LUST	1000411027 CAD981992498
Relative: Lower		LA Co. Site Mitigation VCP	
Actual: 423 ft.		EMI ENVIROSTOR	
	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	09/01/1996 SOUTHWEST PRODUCTIONS CO 2240 BUENA VISTA IRWINDALE, CA 91706 CAD981992498 PO BOX 1028 MONROVIA, CA 91016 Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported O9 Small Small Quantity Generator 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: Owner/operator address:	KENT J HACKMAN NOT REQUIRED	

Database(s)

EDR ID Number EPA ID Number

## SOUTHWEST PRODUCTIONS CO (Continued)

Owner/operator country: Owner/operator telephon Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED, ME 99999 Not reported e: (415) 555-1212 Private Owner Not reported Not reported
Owner/operator name: Owner/operator address:	NOT REQUIRED NOT REQUIRED NOT REQUIRED ME 99999
Owner/operator country:	Not reported
Owner/operator telephon	e: (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 hazardo	us waste: No
Mixed waste (haz. and ra	idioactive): No
Recycler of hazardous w	aste: No
Transporter of hazardous	s waste: No
Treater, storer or dispose	rr of HW: No
Underground injection ac	tivity: No
On-site burner exemption	n: 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 ma	ırketer: No
Used oil transfer facility:	No
Used oil transporter:	No
Historical Generators: Date form received by ag Facility name: Classification:	ency:02/17/1987 SOUTHWEST PRODUCTIONS CO Large Quantity Generator
Violation Status:	No violations found
FINDS:	
Registry ID:	110002769442
Environmental Interest/In	formation System
Califor	nia Department of Toxic Substances Control EnviroStor System
(DTSC	-EnviroStor) is an online search and Geographic Information
Syster	n (GIS) tool for identifying sites that have known contamination
or site	s for which there may be reasons to investigate further. The
Enviro	Stor database includes the following site types: Federal
Supert	und sites (National Priorities List (NPL)); State Response,
includi	ng Military Facilities and State Superfund; Voluntary Cleanup;
and Sc	chool sites.

1000411027

The NEI (National Emissions Inventory) database contains information
EDR ID Number Database(s) EPA ID Number

#### SOUTHWEST PRODUCTIONS CO (Continued)

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

0 4

364115 2009-0009-DWQ

Enrollee

Not reported

4 19C355287

Construction

Not reported

05/06/2009

Not reported 06/23/2010

1500 E Duarte Rd

Hope City

California

Duarte

91010

CAS000002 Terminated

Npdes Number:
Facility Status:
Agency Id:
Region:
Regulatory Measure Id:
Order No:
Regulatory Measure Type:

NPDES:

Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: Discharge City: Discharge State: Discharge Zip:

#### CORTESE:

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

### LUST:

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

Database(s)

EDR ID Number EPA ID Number

## SOUTHWEST PRODUCTIONS CO (Continued)

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:

T0603704618 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported
T0603704618 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov 6264583507
T0603704618 Other 01/01/1950 Leak Discovery T0603704618 Other
01/01/1950 Leak Reported
4 04 Los Angeles R-03582 Case Closed Waste Oil Not reported Not reported Soil the Site: Not reported T0603704618 Not reported UNK 19000 Not reported Vaste out of the set of

Database(s)

EDR ID Number EPA ID Number

#### SOUTHWEST PRODUCTIONS CO (Continued)

Date Leak Discovered: 8/21/1992 2/22/1993 Date Leak First Reported: 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 UNK Leak Source: Operator: Not reported Not reported Water System: Well Name: Not reported Approx. Dist To Production Well (ft): 4028.7274487512591175915052703 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 Not reported Enforcement Action Date: Historical Max MTBE Date: Not reported Not reported Hist Max MTBE Conc in Groundwater: 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 34.1433158 / -1 Lat/Long: Local Agency Staff: Not reported Beneficial Use: Not reported Priority: Not reported Cleanup Fund Id: Not reported Suspended: Not reported Assigned Name: Not reported TRPH=4710 PPM Summary: HIST UST: Region: STATE Facility ID: 0000008102 Facility Type: Other MANUFACTURER Other Type: Total Tanks: 0002 Contact Name: K. V. HACKMAN Telephone: 8183580181 SOUTHWEST PRODUCTS CO Owner Name:

Tank Num: 001 Container Num: I

P.O. BOX 1028

MONROVIA, CA 91016

Owner Address:

Owner City,St,Zip:

Database(s)

EDR ID Number EPA ID Number

## SOUTHWEST PRODUCTIONS CO (Continued)

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

Database(s)

EDR ID Number EPA ID Number

SOUTHWEST PRODUCTIONS CO (Continued) 1				
Alias Name: Alias Type: Alias Name: Alias Type: Alias Name: Alias Type:	110002769442 EPA (FRS #) 300694 Project Code (Site Code) 19340773 Envirostor ID Number			
Completed Info: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Voluntary Cleanup Agreement 02/04/1998 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: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	ne: PROJECT WIDE a Name: Not reported nt Type: Preliminary Endangerment Assessment Report 06/29/1998 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: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported			
EMI: Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Consolidated Emission Report Total Organic Hydrocarbon Ga Reactive Organic Gases Tonsy Carbon Monoxide Emissions T NOX - Oxides of Nitrogen Tons SOX - Oxides of Sulphur Tons Particulate Matter Tons/Yr: Part. Matter 10 Micrometers &	n Info System: ing Rule: ises Tons/Yr: 'Yr: ons/Yr: s/Yr: Yr: Smllr Tons/Yr:	1990 19 SC 51799 SC 3599 SOUTH COAST AQMD Not reported Not reported 0 0 0 0 0 0 0 0 0 0 0 0 0		

Database(s)

EDR ID Number EPA ID Number

### SOUTHWEST PRODUCTIONS CO (Continued)

ENVIROSTOR: Voluntary Cleanup Site Type: Site Type Detailed: Voluntary Cleanup Acres: 8 NPL: NO DTSC **Regulatory Agencies:** Lead Agency: DTSC Safouh Sayed Program Manager: Supervisor: Emad Yemut **Division Branch: Cleanup Cypress** Facility ID: 19340773 300694 Site Code: Assembly: 48 Senate: 22 Special Program: Voluntary Cleanup Program No Further Action Status: 02/04/1998 Status Date: Restricted Use: NO Site Mgmt. Req.: NONE SPECIFIED Funding: **Responsible Party** 34.12442 Latitude: Longitude: -117.9766APN: NONE SPECIFIED Past Use: NONE Potential COC: 30003 Confirmed COC: NONE SPECIFIED Potential Description: SOIL Alias Name: SOUTHWEST PRODUCTS Alias Type: Alternate Name UNION BANK OF CALIFORNIA Alias Name: Alias Type: Alternate Name Alias Name: 110002769442 Alias Type: EPA (FRS #) Alias Name: 300694 Project Code (Site Code) Alias Type: Alias Name: 19340773 Envirostor ID Number Alias Type: Completed Info: Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Voluntary Cleanup Agreement Completed Date: 02/04/1998 DTSC and Union Bank of California (site owner through foreclosure Comments: 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 Not reported Completed Sub Area Name: Completed Document Type: Preliminary Endangerment Assessment Report Completed Date: 06/29/1998 The Preliminary Endangerment Assessment is approved. The PEA Comments: 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

EDR ID Number Database(s) EPA ID Number

## SOUTHWEST PRODUCTIONS CO (Continued)

determines that "No Further Action" is required.

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

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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

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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

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.

EPA Region 6

EPA Region 7

EPA Region 8

**EPA Region 9** 

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

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

#### 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/14/2013	Telephone: 916-323-3400
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 05/07/2013
Number of Days to Update: 13	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 identifies 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 inventory of solid waste disposal facilities or landfills. These may be active or inactive 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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7) Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	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 Lis Los Angeles, Ventura counties. For more curr Board's LUST database.	t ent information, please refer to the State Water Resources Control	
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 Leaking Underground Storage Tank locations	Database . 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 Clara, Solano, Sonoma counties.	. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa	
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, Modo please refer to the State Water Resources Co	c, Siskiyou, Sonoma, Trinity counties. For more current information, ntrol 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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 & Cleanu The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	p Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 Cle from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality	
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 Cle from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality	
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 LUSTs on Indian land in Alaska, Idaho, Orego	Tanks on Indian Land n 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 T LUSTs on Indian land in New Mexico and Okla	<sup>-</sup> anks on Indian Land ahoma.	
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 T LUSTs on Indian land in Iowa, Kansas, and N	anks on Indian Land ebraska	
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	

INDIAI L	N LUST R9: Leaking Underground Storage Ta LUSTs on Indian land in Arizona, California, Ne	nks on Indian Land w Mexico and Nevada
ם ם ר	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 reg	julatory agencies
ם ם ו	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.		
] ] [ 1	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
INDIAI	N UST R10: Underground Storage Tanks on Ir The Indian Underground Storage Tank (UST) d and in EPA Region 10 (Alaska, Idaho, Oregon,	ndian Land atabase provides information about underground storage tanks on Indian Washington, and Tribal Nations).
ם ם ו	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
INDIAI	N UST R9: Underground Storage Tanks on Ind The Indian Underground Storage Tank (UST) d and in EPA Region 9 (Arizona, California, Haw	dian Land atabase provides information about underground storage tanks on Indian aii, 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
INDIA	N UST R8: Underground Storage Tanks on Inc	dian 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 Source: EPA Region 7 Date Data Arrived at EDR: 02/28/2013 Telephone: 913-551-7003 Last EDR Contact: 04/29/2013 Date Made Active in Reports: 04/12/2013 Number of Days to Update: 43 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 Source: EPA Region 6 Date Data Arrived at EDR: 05/11/2011 Telephone: 214-665-7591 Last EDR Contact: 04/29/2013 Date Made Active in Reports: 06/14/2011 Next Scheduled EDR Contact: 08/12/2013 Number of Days to Update: 34 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 Source: EPA Region 5 Date Data Arrived at EDR: 08/03/2012 Telephone: 312-886-6136 Date Made Active in Reports: 11/05/2012 Last EDR Contact: 04/29/2013 Number of Days to Update: 94 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 Source: EPA Region 4 Date Data Arrived at EDR: 02/08/2013 Telephone: 404-562-9424 Last EDR Contact: 04/29/2013 Date Made Active in Reports: 04/12/2013 Number of Days to Update: 63 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 Source: EPA, Region 1 Date Data Arrived at EDR: 11/07/2012 Telephone: 617-918-1313 Date Made Active in Reports: 04/12/2013 Last EDR Contact: 04/29/2013 Number of Days to Update: 156 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	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/18/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitr A listing of voluntary cleanup priority sites loo	ng cated on Indian Land located in Region 7.
Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	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	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/05/2013
Number of Days to Update: 14	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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
SWF	CY: 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
HAU	LERS: 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
INDI	AN ODI: Report on the Status of Open Dumps on Location of open dumps on Indian land.	on Indian Lands
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/14/2013	Telephone: 916-323-3400
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 05/07/2013
Number of Days to Update: 13	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: 07/01/1995SoDate Data Arrived at EDR: 08/30/1995TeDate Made Active in Reports: 09/26/1995LaNumber of Days to Update: 27Ne

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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/12/2012	Telephone: 916-255-6504
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 04/01/2013
Number of Days to Update: 21	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 Databa A listing of underground storage tank locations	ise 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 Containe The Hazardous Substance Storage Container I source for current data.	r Database Database is a historical listing of UST sites. Refer to local/county
	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
SWE	EPS UST: SWEEPS UST Listing Statewide Environmental Evaluation and Plann maintained by a company contacted by the SW The local agency is the contact for more inform	ing System. This underground storage tank listing was updated and RCB in the early 1990's. The listing is no longer updated or maintained. ation 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
Loca	al Land Records	
LIEN	S 2: CERCLA Lien Information A Federal CERCLA ('Superfund') lien can exist Superfund monies. These monies are spent to CERCLIS provides information as to the identity	by operation of law at any site or property at which EPA has spent investigate and address releases and threatened releases of contamination. y 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
LIEN	S: Environmental Liens Listing A listing of property locations with environmenta	al liens for California where DTSC is a lien holder.

Date of Government Version: 03/15/2013 Telephone: 916-323-3400 Date Data Arrived at EDR: 03/15/2013 Date Made Active in Reports: 03/27/2013 Last EDR Contact: 03/11/2013 Number of Days to Update: 12

Source: Department of Toxic Substances Control 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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 55	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	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/29/2013	Telephone: 916-845-8400
Date Made Active in Reports: 03/19/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 49	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	Source: State Water Qualilty Control Board
Date Data Arrived at EDR: 03/19/2013	Telephone: 866-480-1028
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 05/02/2013
Number of Days to Update: 8	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/19/2013	Telephone: 866-480-1028
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 05/02/2013
Number of Days to Update: 8	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: 06/06/2012Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 02/22/2013Last EDR Contact: 01/03/2013Number of Days to Update: 50Next Scheduled EDR Contact: N/AData 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	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/07/2013
Number of Days to Update: 42	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
RO	<ul> <li>D: Records Of Decision</li> <li>Record of Decision. ROD documents mandate and health information to aid in the cleanup.</li> </ul>	a permanent remedy at an NPL (Superfund) site containing technical
	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. shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted fro the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cas 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 includ violation information.		d for mines active or opened since 1971. The data also includes
	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 a land in reportable quantities under SARA Title III Section 313.		es facilities which release toxic chemicals to the air, water and 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	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2013
Number of Days to Update: 64	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	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	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/19/2013
Number of Days to Update: 98	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/11/2013
Number of Days to Update: 60	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/09/2013	Telephone: 202-343-9775
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 93	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/18/2013	Telephone: 916-445-9379
Date Made Active in Reports: 03/20/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 30	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

COR	RTESE: "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	T 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	
NOT	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	
DRY	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:	P: 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	

## 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	
INDI	AN RESERV: Indian Reservations This map layer portrays Indian administered lar than 640 acres.	nds of the United States that have any area equal to or greater	
	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 Or of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with establish drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kan- 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 proof that they will have sufficient funds to pay for the clean up, closure, and post-closure ca		store, or dispose of hazardous waste are required to provide 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 Registrations	on Database 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	
VMP: 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	
VT: 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

Data of Covernment Version: 02/01/2007	Source: Department of Taxia Substances Control
Date of Government version. 03/01/2007	Source. Department of Toxic Substances Control
Date Data Arrived at EDR: 06/01/2007	Telephone: 916-255-3628
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/03/2013
Number of Days to Update: 28	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	Source: EPA
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/04/2013
Number of Days to Update: 69	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/25/2013
Number of Days to Update: 9	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

Source: Environmental Protection Agency

Next Scheduled EDR Contact: 05/27/2013 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.

Telephone: 617-520-3000

Last EDR Contact: 02/12/2013

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

## 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: 01/16/2013Source: Alameda County Environmental Health ServicesDate Data Arrived at EDR: 01/17/2013Telephone: 510-567-6700Date Made Active in Reports: 01/31/2013Last EDR Contact: 04/01/2013Number of Days to Update: 14Next Scheduled EDR Contact: 07/15/2013Data Release Frequency: Semi-Annually

AMADOR COUNTY:

## 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

#### 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: 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

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 S	iegundo 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 Source: Napa County Department of Environmental Management Date Data Arrived at EDR: 12/06/2011 Telephone: 707-253-4269 Date Made Active in Reports: 02/07/2012 Last EDR Contact: 03/04/2013 Next Scheduled EDR Contact: 06/17/2013 Number of Days to Update: 63 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 Source: Napa County Department of Environmental Management Date Data Arrived at EDR: 01/16/2008 Telephone: 707-253-4269 Last EDR Contact: 03/04/2013 Date Made Active in Reports: 02/08/2008 Number of Days to Update: 23 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 Source: Community Development Agency Date Data Arrived at EDR: 03/08/2013 Telephone: 530-265-1467 Date Made Active in Reports: 03/25/2013 Last EDR Contact: 03/08/2013 Next Scheduled EDR Contact: 05/20/2013 Number of Days to Update: 17 Data Release Frequency: Varies ORANGE COUNTY: List of Industrial Site Cleanups Petroleum and non-petroleum spills. Date of Government Version: 02/04/2013 Source: Health Care Agency Date Data Arrived at EDR: 02/26/2013 Telephone: 714-834-3446 Date Made Active in Reports: 03/20/2013 Last EDR Contact: 02/13/2013 Number of Days to Update: 22 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 Source: Health Care Agency

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: 02/04/2013Source: Health CDate Data Arrived at EDR: 02/18/2013Telephone: 714-8Date Made Active in Reports: 03/27/2013Last EDR ContactNumber of Days to Update: 37Next Scheduled EData Palacace EreData Palacace Ere

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	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 03/13/2013	Telephone: 530-745-2363
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 14	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	Source: Department of Environmental Health
Date Data Arrived at EDR: 02/05/2013	Telephone: 951-358-5055
Date Made Active in Reports: 03/27/2013	Last EDR Contact: 03/25/2013
Number of Days to Update: 50	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	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 01/10/2013	Telephone: 916-875-8406
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 04/08/2013
Number of Days to Update: 43	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: 08/17/2012Source: Hazardous Materials Management DivisionDate Data Arrived at EDR: 08/20/2012Telephone: 619-338-2268Date Made Active in Reports: 10/03/2012Last EDR Contact: 04/29/2013Number of Days to Update: 44Next Scheduled EDR Contact: 06/24/2013Data 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	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 02/11/2013
Number of Days to Update: 10	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: 03/18/2013Source: San Mateo County Environmental Health Services DivisionDate Data Arrived at EDR: 03/19/2013Telephone: 650-363-1921Date Made Active in Reports: 03/27/2013Last EDR Contact: 03/18/2013Number of Days to Update: 8Next Scheduled EDR Contact: 07/01/2013Data Release Frequency: Semi-Annually

#### SANTA BARBARA COUNTY:

#### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011Source: Santa Barbara County Public Health DepartmentDate Data Arrived at EDR: 09/09/2011Telephone: 805-686-8167Date Made Active in Reports: 10/07/2011Last EDR Contact: 03/12/2013Number of Days to Update: 28Next Scheduled EDR Contact: 06/10/2013Data 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	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 02/14/2013	Telephone: 408-535-7694
Date Made Active in Reports: 03/20/2013	Last EDR Contact: 02/11/2013
Number of Days to Update: 34	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 Next Scheduled EDR Contact: 07/01/2013

Underground Storage Tanks

Underground storage tank sites located in Solano county.

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

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:

Busi	ness Plan, Hazardous Waste Producers, and O The BWT list indicates by site address whether Producer (W), and/or Underground Tank (T) in	perating Underground Tanks r the Environmental Health Division has Business Plan (B), Waste formation.
	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
Inve	ntory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Ab	andoned, 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
Und	erground Tank Closed Sites List Ventura County Operating Underground Storag	ge 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
YOL	O COUNTY:	
Und	erground Storage Tank Comprehensive Facility Underground storage tank sites located in Yolo	Report o county.
	Date of Government Version: 12/19/2012 Date Data Arrived at EDR: 12/28/2012 Date Made Active in Reports: 01/30/2013	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:

Number of Days to Update: 33

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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/18/2013	Telephone: 860-424-3375
Date Made Active in Reports: 03/21/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	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

Source: Department of Environmental Conservation

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.

Telephone: 518-402-8651

Last EDR Contact: 02/07/2013

Next Scheduled EDR Contact: 05/20/2013 Data Release Frequency: Annually

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

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

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 Protection Telephone: 717-783-8990 Last EDR Contact: 04/23/2013 Next Scheduled EDR Contact: 08/05/2013

Data Release Frequency: Annually

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.

### STREET AND ADDRESS INFORMATION

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# **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:

- Groundwater flow direction, and
  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.

### **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.

### 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

Ν

Target Property County LOS ANGELES, CA	FEMA Flood <u>Electronic Data</u> 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
ATIONAL WETLAND INVENTORY	NW/I Electronic
NWI Quad at Target Property AZUSA	Data Coverage 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 Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

#### **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**

#### **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic Catego	ry: Stratifed Sequence
System:	Quaternary	
Series:	Quaternary	
Code:	Q (decoded above as Era, System & Series)	

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.

a hydric soil.

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			
Corrosion Potential - Uncoated Steel:	Not Reported		
Depth to Bedrock Min:	> 10 inches		

Depth to Bedrock Max: > 10 inches

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

### 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	<del>398</del>	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

		LOCATION
MAP ID	WELL ID	FROM TP
1	CAOG9A000033814	1/2 - 1 Mile ESE

### **PHYSICAL SETTING SOURCE MAP - 3599441.2s**



SITE NAME: ADDRESS: LAT/LONG:	Duarte Station Specific Plan Multiple Addresses Duarte CA 91010 34.1336 / 117.9687	CLIENT: CONTACT: INQUIRY #: DATE:	RBF Consulting Kristen Bogue 3599441.2s May 07, 2013 4:28 pm
		Copyrigh	t @ 2013 EDD Ing @ 2010 Tale Atlag Dal 07/2000

Map ID Direction				
Distance				
Elevation			Database	EDR ID Number
A1 ESE 0 - 1/8 Mile Higher			CA WELLS	398
Water System Informatio	n:			
Prime Station Code:	01N/10W-31M01 S	User ID:	4TH	
FRDS Number:	1910186001	County:	Los Angeles	
District Number:	07	Station Type:	WELL/AMBNT/MUN/INTA	KE/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 CODUAR	TE		
Organization That Oper	ates System:			
	2020 HUNTINGTON DRIVE			
	SAN MARINO, CA 91108	<b>o</b> "	7000	
Pop Served:		Connections:	7029	
Area Served.	DUARTE 08/10/2011	Findingo	26 MC/I	
Chamical:		Findings.	30. MG/L	
Chemical.	CALCION			
Sample Collected:	08/10/2011	Findings:	7. MG/L	
Chemical:	MAGNESIUM			
Sample Collected:	08/10/2011	Findings:	17.1 MG/L	
Chemical:	SODIUM	5		
Osmula Oslisstad	00/40/0044		44.0 100	
Sample Collected:		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/I	
Chemical	SILICA	r mango.	10. 100/2	
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)	Ū		
Sample Collected:	00/10/2012	Findings	100 MG/I	
Chemical		i muniya.	130. MG/L	
Unernical.	I GIAL DISSOLVED SOLIDS			
Sample Collected:	12/04/2012	Findings:	2.3 MG/L	
Chemical:	NITRATE (AS NO3)			

#### A2 ESE 0 - 1/8 Mile Higher

### Water System Information:

Prime Station Code: FRDS Number: District Number: Water Type: Source Lat/Long: Source Name: 01N/10W-31A01 S 1910186007 07 Well/Groundwater 340800.0 1175800.0 SANTA FE User ID: County: Station Type: Well Status: Precision: 4TH Los Angeles WELL/AMBNT/MUN/INTAKE/SUPPLY Active Raw Undefined

CA WELLS

397

System Number:	1910186		
System Name:	CAL. AMERICAN WATER CODUAR	IE	
Organization mat Opera			
	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	Findinas:	18.1 MG/L
Chemical:	SODIUM	5	
Sample Collected	09/26/2011	Findings.	15.3 MG/I
Chemical:	CHLORIDE	r mange.	
Sample Collected:	09/26/2011	Findinas:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	5	
Sample Collected:	09/26/2011	Findings:	14. MG/L
Chemical:	SILICA	0	
Sample Collected:	09/26/2011	Findinas:	2.214 MG/I
Chemical:	NITRATE (AS NO3)		

#### 3 East 1/4 - 1/2 Mile Higher

Org. Identifier:USGS-CFormal name:USGS CMonloc Identifier:USGS-3Monloc name:001N010Monloc type:WellMonloc desc:Not Rep	A alifornia Water Science ( 40758117573501 )W31A001S orted	Center	
Huc code: 1807010	6	Drainagearea value:	Not Reported
Drainagearea Units: Not Repo	orted	Contrib drainagearea:	Not Reported
Contrib drainagearea units: Not Repo	orted	Latitude:	34.132785
Longitude: -117.960	062	Sourcemap scale:	24000
Horiz Acc measure: 1		Horiz Acc measure units:	seconds
Horiz Collection method: Interpola	ited from map		
Horiz coord refsys: NAD83		Vert measure val:	Not Reported
Vert measure units: Not Repo	orted	Vertacc measure val:	Not Reported
Vert accmeasure units: Not Repo	orted		
Vertcollection method: Not Repo	orted		
Vert coord refsys: Not Rep	orted	Countrycode:	US
Aquifername: California	a Coastal Basin aquifers	-	
Formation type: Not Repo	orted		

FED USGS

USGS40000141771

Aquifer type: Construction date: Welldepth units: Wellholedepth units:	Not Reported Not Reported ft ft	Welldepth: Wellholedepth:		604 604	
Ground-water levels, Numl	ber of Measurements: 0				
4 SW 1/2 - 1 Mile Lower				FED USGS	USGS40000141696
Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type:	USGS-CA USGS California Water Science ( USGS-340743117583201 001N010W31M001S Well	Center			
Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units:	GAMA ULAB FAST 18070106 Not Reported : Not Reported -117.9760833 .5 Global positioning system (GPS), NAD83 feet feet	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure unit uncorrected Vert measure val: Vertacc measure val:	ts:	Not Reported Not Reported 34.1285 24000 seconds 448 10	
Vertcollection method: Vert coord refsys: Aquifername: Formation type: Aquifer type:	Interpolated from topographic ma NGVD29 California Coastal Basin aquifers Not Reported	ip Countrycode:		US	
Construction date: Welldepth units: Wellholedepth units:	19520109 ft ft	Welldepth: Wellholedepth:		600 600	
Ground-water levels, Numl	ber of Measurements: 0				
5 West 1/2 - 1 Mile Lower				CA WELLS	437
Water System Information:      Prime Station Code:    0      FRDS Number:    1      District Number:    0      Water Type:    V      Source Lat/Long:    3      Source Name:    M      System Number:    1      System Name:    C      Organization That Operate    2      State	11N/11W-36L01 S 910186006 7 Vell/Groundwater 40800.0 1175900.0 MOUNTAIN AVENUE 910186 CAL. AMERICAN WATER CODUA s System: 2020 HUNTINGTON DRIVE SAN MARINO, CA 91108	User ID: County: Station Type: Well Status: Precision:	4TH Los An WELL/. Inactive Undefir	geles AMBNT/MUN/INTAK e Untreated ned	E/SUPPLY

Pop Served:

Area Served:

24666

DUARTE

7029

Connections:

Map ID Direction			Databasa	
Distance			Database	
1				
ESE			OIL_GAS	CAOG9A000033814
1/2 - 1 Mile				
Districtnu:	1	Apinumber:	03720888	
Blmwell:	Ν	Redrillcan:	Not Reported	
Dryhole:	Ν	Wellstatus:	Р	
Operatorna:	Union Oil Company of Ca	alifornia		
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:	Ν	Hydraulica:	N	
Confidenti:	Ν	Spuddate:	12/30/1899	
Welldeptha:	Not Reported	Redrillfoo:	Not Reported	
Abandonedd:	/ /	Completion:	/ /	
Gissymbol:	PDH	Site id:	CAOG9A00003381	4

### 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<sup>R</sup> 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

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# **GE AVIATION SYSTEMS LLC - DUARTE**

1700 BUSINESS CENTER DRIVE DUARTE, CA 91010

Inquiry Number: June 25, 2013

# EDR Site Report<sup>™</sup>



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

# TABLE OF CONTENTS

The EDR-Site Report<sup>™</sup> 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:

Section 1: Facility Summary Page 3
Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.
Section 2: Facility Detail Reports
All available detailed information from databases where sites are identified.
Name, source, update dates, contact phone number and description of each of the databases

for this report.

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

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# SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 GE AVIATION SYSTEMS LLC - DUARTE 1700 BUSINESS CENTER DRIVE DUARTE CA 0410
AREA	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

### WASTE MANAGEMENT

### Facility generates hazardous waste

### DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GE AVIATION SYSTEMS LLC 1700 BUSINESS CENTER DF DUARTE, CA 91010 EDR ID #1000385001	C - DUARTE RIVE
RCRA-LQG: Date form received by agency Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact clephone: Contact email: EPA Region: Land type: Classification: Description:	:02/27/2012 GE AVIATION SYTEMS, LLC 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 CAD008503112 BUSINESS CENTER DRIVE DUARTE, CA 91010 LONNIE R OLSEN BUSINESS CENTER DRIVE DUARTE, CA 91010 Not reported (626) 246-0753 Not reported 09 Private Large Quantity Generator 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 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 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
Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	GE AVIATION SYSTEMS, LLC PATTERSON AVE SE GRAND RAPIDS, MI 49512 Not reported (616) 241-7000 Private Owner 05/04/2007 Not reported GE AVIATION SYSTEMS 11 C
Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	PATTERSON AVE SE GRAND RAPIDS, MI 49512 US (616) 241-7000 Private Operator 05/01/2007 Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported (415) 555-1212 Private Operator Not reported Not reported Not reported
Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioa Recycler of hazardous waste: Transporter of hazardous was Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption:	aste: No ctive): No No te: No HW: No : No No No

...Continued...

	Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burne Used oil Specification markete Used oil transfer facility: Used oil transporter:	No No No Pr: No No No
Hi	storical Generators: Date form received by agency: Facility name: Site name: Classification:	01/07/2008 GE AVIATION SYTEMS, LLC GE AVIATION SYSTEMS LLC Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/27/2004 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION SYSTEMS - LA Small Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/27/2004 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION SYSTEMS - LA Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	07/10/2001 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Small Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:09/01/1996 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:03/25/1996 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LOS ANGELES Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:03/15/1994 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LA Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/25/1992 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LOS ANGELES Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:04/16/1990 GE AVIATION SYTEMS, LLC DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:06/30/1980 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Large Quantity Generator
Ha	izardous Waste Summary: Waste code: Waste name:	D001 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: Waste name:	D002 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: Waste name:	D007 CHROMIUM
	Waste code: Waste name:	D008 LEAD
	Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE,

...Continued...

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: Waste name: Amount (Lbs):	D001 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. 2237
Waste code: Waste name: Amount (Lbs):	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. 883
Waste code: Waste name: Amount (Lbs):	D007 CHROMIUM 35040
Waste code: Waste name: Amount (Lbs):	D008 LEAD 54
Waste code: Waste name:	F003 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. 2027
Amount (LDS).	2231
Violation Status:	No violations found
Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	02/23/1993 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported State Contractor/Grantee

...Continued...

#### 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: Title of Certifying Official: 2009 **BUSINESS SITE LEADER** Certifying official: Mailing Name: Mailing Address: BRIAN LANGAN GE AVIATION SYSTEMS LLC - DUARTE 1700 BUSINESS CENTER DR DUARTE, CA 9101 BRIAN LANGAN (626) 359-9211 Contact: Contact Telephone: NAICS codes: NAICS origin: 333995 Not reported 34.134135 -117.967893 Reported Latitude: Reported Longitude: DUNS Number: 008503112 EPA ID: Not reported RCRA ID: NPDES ID: Not reported Not reported UIC ID: Not reported GENERAL ELECTRIC CO (GE CO) 001367960 Parent Name: Parent DUNS Number: CAS Number: 007440473 Chemical Name: CHROMIUM Chemical is produced in facility: Chemical is imported: NO NÔ 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 R

LOS ANGLES RIVER 

 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
 1

 Total amount of all stream release:
 0

 Total qty injected underground onsite to Class I well:
 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

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: 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 7.5 Tot. offsite transfers: Tot. offsite transfers for further waste management: 41486 Metal indicator: YES Contact email: BRIAN.LANGAN@GE.COM Not reported Not reported Revision code 1: Revision code 2: Chemical Name: CHROMIUM NAICS codes: NAICS origin: Qty released prior year: 333995 Not reported 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 BRIAN.LANGAN@GE.COM Contact email: Revision code 1: Not reported
Revision code 2:	Not reported	
Revision code 2: CAS Number: Offsite RCRA ID: Offsite RCRA ID: Offsite Address: Offsite Address: Offsite County: NAICS codes: NAICS origin: Estimated tot. qty reported chemical Est tot qty reported chemical in w. Estimated tot. qty of reported che Estimated tot. qty of repo System generated tot. qty of repo Metal indicator: Contact email: Bavision code 1:	Not reported 007440473 ARD069748192 CLEAN HARBORS EL DORADO, LLC 309 AMERICAN CIRCLE EL DORADO, AR 71730 UNION 333995 Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite underground injection: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical transferred offsite for unknown processing: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste broker disposal: ent offsite for energy recovery: rted chemical in the waste transferred for energy recovery: rted chemical in the waste transferred for energy recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred for booker for recycling: YES BRIANLANGAN@GE.COM Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Revision code 1:	Not reported	
CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes:	007440473 CAD008364432 RHO CHEM 425 ISIS AVENUE INGLEWOOD, CA 90301 LOS ANGELES 333995	
NAICS origin: Estimated tot. qty reported chemical in w. Estimated tot. qty of reported chemical Estimated tot. qty of repoo System generated tot. qty of repoole System generated tot. qty of repoo System generated tot. qty of repoole System generated	Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for solidification/chemical treatment: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred to fishe for waste treatment: mical subjected to waste broker disposal: ent offsite for energy recovery: rted chemical in the waste transferred for energy recovery: rted chemical in the waste transferred for solvents/organics recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported Not reported	0 0 0 0 0 0 5.7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CAS NUMBER: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes: NAICS origin: Estimated tot atv reported chemic	CAD983570938 SPADRA LANDFILL GAS TO ENERGY 2800 WORKMAN MILL RD WHITTIER, CA 90601 LOS ANGELES 333995 Not reported cal in waste:	0

Est tot qty reported chemical in wa Estimated tot. qty of reported chemical Estimated tot. qty of reported chemical System generated tot. qty of repo System generated tot. qty of repo Syst	aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred to waste broker disposal: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical subjected to waste broker disposal: ant offsite for energy recovery: ted chemical in the waste sent offsite for energy recovery: ted chemical in the waste transferred for solvents/organics recovery: ted chemical in the waste transferred for other reuse/recovery: ted chemical in the waste transferred for acid regeneration: ted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address:	007440473 CAR000111567 S O S ECOLOGY MANAGEMENT INC 201 E GARDENA BLVD STE A GARDENA, CA 90248 LOS ANCELES	
Offsite County: NAICS codes: NAICS origin: Estimated tot. qty reported chemical Estimated tot. qty of reported chemical System generated tot. qty of reported chemical System generated tot. qty of reported chemical Estimated tot. qty of reported chemical Estimated tot. qty of reported chemical System generated tot. qty of repo System generated t	LOS ANGELES 333995 Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite underground ments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste treatment: mical subjected to waste broker disposal: ent offsite for energy recovery: ted chemical in the waste transferred for solvents/organics recovery: ted chemical in the waste transferred for other reuse/recovery: ted chemical in the waste transferred for other reuse/recovery: ted chemical in the waste transferred for acid regeneration: ted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes:	007440473 NA TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVENUE ADELANTO, CA 92301 SAN BERNARDINO 333995 Not reparted	
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...Continued...

 System generated tot. qty of reported chemical in the waste transferred to broker for recycling:

 Metal indicator:
 YES

 Contact email:
 BRIAN.LANGAN@GE.COM

 Revision code 1:
 Not reported

 Revision code 2:
 Not reported

CAS #: NAICS codes: NAICS origin: DCN: POTW Name: POTW Address:

Metal indicator: Contact email: Revision code 1: Revision code 2:

NAICS codes: NAICS origin: Facility is federal: Facility is GOCO: Data covers entire fac.: Data covers part of fac.: Contact email: BRIAN.LANGAN@GE.COM Not reported 007440473 Not reported Not reported 1309207652898 Not reported

Not reported 1309207652898 Not reported Not reported YES BRIAN.LANGAN@GE.COM Not reported Not reported

333995 Not reported NO YES NO BRIAN.LANGAN@GE.COM 0

...Continued...

#### 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 guery detail.disp program facility?p registry id=110000476556
FIPS:	06037
Fed Facility:	Not reported
Fed Agency:	Not reported
Tribal Ľand:	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	ation 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

CAD008503112 RCRAINFO

Program System ID: Program Sys. Name: Env. Interest Type: Env. Interest Start Dt.: Start Date Qualifier: Env. Interest End Dt.: End Date Qualifier: Data Source: Active Code: LQG 30-JUN-80 FIRST NOTIFICATION DATE Not reported RCRAINFO Yes CAD008503112 HWTS-DATAMART STATE MASTER Not reported

Not reported Not reported Not reported Not reported HWTS-DATAMART Not reported

Program System ID:

...Continued...

Program Sys. Name: Env. Interest Type: BR HAZARDOUS WASTE BIENNIAL REPORTER Env. Interest Start Dt.: Not reported Not reported Start Date Qualifier: 01-JAN-04 Env. Interest End Dt.: End Date Qualifier: YEAR REPORTING STOPPED RCRAINFO Data Source: Active Code: No Program System ID: Program Sys. Name: 91010DWTYR1700B TRIS Env. Interest Type: Env. Interest Start Dt.: TRI REPORTER 31-DEC-87 FIRST REPORTING YEAR Start Date Qualifier: Env. Interest End Dt .: Not reported End Date Qualifier: Not reported TRI REPORTING FORM Data Source: Active Code: Not reported Alternative Name: DOWTY AEROSPACE LOS ANGELES GE AVIATION SYSTEMS LLC GE AVIATION SYSTEMS LLC Alternative Name: - DUARTE Alternative Name: GE AVIATION SYSTEMS LLC DUARTE Alternative Name: SMITHS AEROSPACE ACTUATION SMITHS AEROSPACE ACTUATION SMITHS AEROSPACE ACTUATION SYS. LOS ANGELES INC. SMITHS AEROSPACE ACTUATIONS SYS L A INC SMITHS AEROSPACE MECHANICAL SYSTEMS LA Alternative Name: Alternative Name: Alternative Name: Alternative Name: Contact Name: **BRIAN LANGAN** Contact Type: Contact Title: PUBLIC CONTACT Not reported (626) 359-9211 Not reported Contact Telephone: Contact Fax: Contact email: Not reported Contact Address: Not reported Not reported Contact Name: Contact Type: Contact Title: LISA SAYLOR TECHNICAL CONTACT Not reported (626) 201-0356 Contact Telephone: Contact Fax: Not reported Contact email: Not reported Not reported Contact Address: Not reported ROBERT KIPFERL Contact Name: Contact Type: REGULATORY CONTACT Contact Title: Not reported 626-359-9211 1308 Contact Telephone: Contact Fax: Not reported ROBERT.KIPFERL@GE.COM 1700 BUSINESS CENTER DR Contact email: Contact Address: **DUARTE, CA 91010** NAICS Code: 333995(FLUID POWER CYLINDER AND ACTUATOR MANUFACTURING.) GE AVIATION SYSTEMS LLC OPERATOR PRIVATE Organization Name: Affiliation Type: Organization Type: DUNS Number: Not reported **Division Name:** Not reported Telephone Number: Not reported Alternative Number: Not reported Not reported Fax Number: Not reported Not reported Email: EIN: State Business ID: Not reported Not reported Not reported Parent Name: Parent DUNS: Mailing Address: Not reported Not reported Not reported OWNER/OPERATOR PRIVATE 008503112 Organization Name: Affiliation Type: Organization Type: DUNS Number: **Division Name:** Not reported Telephone Number: Not reported Not reported Alternative Number: Fax Number: Not reported Email: Not reported EIN: Not reported

State Business ID:

Parent Name:

Not reported

Not reported

Parent DUNS: Mailing Address:	Not reported Not reported Not reported
Organization Name: Affiliation Type: Organization Type: DUNS Number: Division Name: Telephone Number: Alternative Number: Fax Number: Email: EIN: State Business ID: Parent Name: Parent DUNS: Mailing Address:	GE AVIATION SYSTEMS LLC OWNER PRIVATE Not reported Not reported
Organization Name: Affiliation Type: Organization Type: DUNS Number: Division Name: Telephone Number: Alternative Number: Fax Number: Email: EIN: State Business ID: Parent Name: Parent DUNS: Mailing Address:	GENERAL ELECTRIC CO (GE CO) PARENT COMPANY PRIVATE 001367960 Not reported Not reported
Supplemental Interest: PGM Sys ID: Supplemental PGM Sys ID: Start Date: Start Date Qualifier: End Date: End Date Qualifier: Date Source: Last Reported: Date Created: Date Updated:	STATE MASTER Not reported Not reported Not reported Not reported Not reported HWTS-DATAMART Not reported 18-NOV-04 Not reported
Supplemental Interest: PGM Sys ID: Supplemental PGM Sys ID: Start Date: End Date: End Date Qualifier: Date Source: Last Reported: Date Created: Date Updated:	TRI REPORTER ICIS HQ-2010-8007 06-APR-11 FINAL ORDER ISSUED Not reported Not reported ICIS 14-APR-11 01-JUN-11 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: EPÁ

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

elephone: 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

~ -				Webcasts	Loans/Grants   Index	E-Lists   Co	ontact Us
Char .		al/EPA	17eleolist Agosoy		Search	n CalEPA Site	California
	HOME	ABOUT US	DEPARTMENTS	NEWSROOM	RESOURCES	POLICIES	

## 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]II 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

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				LINK TO THIS MA
	GE	OTRACK	(ER	
LAYERS			Foothill Ewy	
SIGNIFIES A CLOSED SITE	Example 10 Fe	A A A A A A A A A A A A A A A A A A A	Footimirwy	
Leaking Underground Tank (LUST) Cleanup Sites	y Foothill Fv	vy williar	Fuergreen St	lwy Dar
Vert Cleanup Sites		Q 1652	1700	1800
Land Disposal Sites	astfc	enfor	1500	
Military Sites	vA pro	d Ave	Coastal	
WDR Sites	Faire	Business Center Dr	Composites	
Permitted Underground Storage Tank (UST) Facilities	Sandefur St	GE Aviat	on 🔒	I 1800 A ge Italia
Vells*				ve
🗹 🛆 DTSC Cleanup Sites				
☑ △ DTSC Haz Waste Permit	3 Ranch Rd		San Gabriel	
MAP SIZE			Insulation	
640x480 ×				
OPTIONS	L	← E Duarte Rd →	E Duarte Rd -	
Site List - EXPORT TO EXCEL	H City of Hope	Θ		
1 Sites		L		Map data ©2013 Google
SHOW SITES V	VITHIN 1000 FEET OF THE	FOLLOWING ADDRES	SS: Duarte, cA	Go
SITE LIST <u>SITE NAME</u> <u>GI</u> CITY OF HOPE	LOBAL ID FAC ID 169	CLEANUP STATUS	<u>ADDRESS</u> 1500 DUARTE RI	D CITY D DUARTE
MAP A	AN ADDRESS:			Go!

#### SITES IDENTIFIED WITH WASTE CONSTITUENTS ABOVE HAZARDOUS WASTE LEVELS OUTSIDE THE WASTE MANAGEMENT UNIT

		REGION	SWAT	WASTE	SOLID			
COUNTY	СІТҮ			DISCHARGER SYSTEM NO.	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 CORPPITTSBURG 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	58	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)	58	2	5A340700001-01		US AIR FORCE-MATHER FIELD LANDFILL	MATHER AFB ENVIRONMENTAL MGMT	US AIR FORCE – MATHER AFB
SACRAMENTO	SACRAMENTO	58	3	5B342000N01-01		SACRAMENTO ARMY DEPOT	SACRAMENTO ARMY DEPOT	U.S. ARMY
SAN JOAQUIN	STOCKTON	58	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	B BUENA PAFSTATE RESFACTI	VE 3/9/201	0 6522 STAN	BUENA PARK	90621	ORANGE	401478	33.8658	-117.994
60001550	) CLA-VAL FASTATE RESFACTI	VE #######	# 1701 PLAC	I COSTA MESA	92627	ORANGE	401579	33.63706	-117.933
30970004	4 COSTA MESTATE RESFACTI	VE #######	# S OF PRESI	I COSTA MESA	92626	ORANGE	400498	33.67167	-117.889
60001549	9 MAURER N STATE RESFACTI	VE 8/4/201	1 873 WEST	COSTA MESA	92627	ORANGE	401578	33.63559	-117.935
60001612	2 PRECISION STATE RESFACTI	VE #######	# 865 AND 8	COSTA MESA	92627	ORANGE	401409	33.63608	-117.935
60001509	9 SOUTHERN STATE RESFACTI	VE 1/5/201	2 1680 MON	COSTA MESA	92627	ORANGE	401558	33.6354	-117.936
60001251	1 CHICAGO N STATE RESFACTI	VE #######	# 350 SOUTH	FULLERTON	92831	ORANGE	401489	33.86791	-117.907
60000511	1 FULLERTON STATE RESFACTI	VE #######	# TRUSLOW	FULLERTON	92832	ORANGE	401331	33.86696	-117.924
71002520	O ORANGE CISTATE RESFACTI	VE #######	# 1711 E. KIN	FULLERTON	92634	ORANGE	401605	33.86319	-117.897
30490018	8 ASCON LANSTATE RESFACTI	VE 1/1/198	4 21641 MA	HUNTINGTON BEAC	CH 92646	ORANGE	400007, 4(	33.64776	-117.973
30970003	3 EL TORO M FEDERAL SI ACTI	VE - LA 5/1/198	6 4,741 ACR	EIRVINE	92709	ORANGE	400055	33.68306	-117.734
30970010	) TRABUCO ESTATE RESEACTI	VE 8/7/200	1 RANCHO S	RANCHO SANTA MA	AG 92688	ORANGE	400921	33.66556	-117.588
60001272	2 DIESEL LOC STATE RESFACTI	VE 4/6/201	0 1331 E. W	SANTA ANA	92705	ORANGE	401519, 4(	33.71594	-117.853
30970001	1 NWS SEAL   STATE RESFACTI	VE 5/1/198	6 SEAL BEAC	I SEAL BEACH	90740	ORANGE	400136	33.75889	-118.077
30970002	2 TUSTIN MASTATE RESFACTI	VE - LA 6/1/198	6 NEWPORT	TUSTIN	92710	ORANGE	400091, 4(	33.71639	-117.831

8	228170 GW Clean ExxonMobi Facility		Industrial	Privately-O	1 1477	Jeffe Anaheim	92807	Orange	33.86452	-117.837
8	228208 GW Clean ConocoPhi Facility		Industrial	Privately-O	1 120	Imper Brea		Orange		
8	228161 GW Cleanup-Buena P Facility		Industrial		7491	La P Buena Park	93010	Orange		
8	228212 GW CLEAI Argo Tech Facility		Industrial	Privately-O	1 671 \	V. SE COSTA MESA	92673	Orange		
8	233949 JOHN WA` John Wayr Facility		All other fa	Other	1 3151	AIRV COSTA MESA		Orange		
8	228339 GW Cleanup-H.B.,Wa Facility		Industrial		5002	Warı Huntington Beach	92649	Orange	33.71529	-118.041
8	228332 GW CLEANUP-H.B.,N Facility		Industrial		1712	1 NICHUNTINGTON BEACH	4	Orange		
8	219939 DEWATEF Ca Dept of Facility		All other fa	State Agen	1 3201	WALIRVINE		Orange		
8	228357 GW CLEAI Great Lake Facility		Industrial	Privately-O	1 1746	1 DEHRVINE	92714	Orange	117.9081	-33.6867
8	228361 GW Clean Xerox Corr Facility		Industrial	Privately-O	1 1869	1 Jan Irvine	92715	Orange		
8	228359 GW Clean Unocal Cor Facility		Industrial	Privately-O	1 4760	Irvine Irvine	92720	Orange		
8	228354 GW Clean Prudential Facility		All other fa	Privately-O	1 Cam	ous & Irvine	92715	Orange		
8	236464 Lane Road Landfill, Irv Facility	Land fill	Solid Waste	e Class III - no	nhazard Mich	elson Irvine		Orange		
8	228364 GW Cleanup-Irvine,MaFacility		All other fac	cilities	1960	Main Irvine	92714	Orange		
8	228391 GW CLEAI EXXON M(Facility		Industrial	Privately-O	1 5962	LA P LA PALMA		Orange		
9	240119 MCMASTE MCMASTE Facility		All other fa	Privately-O	1 2519	5 JACMURRIETA	92562	Orange	33.55854	-117.192
8	228412 GW Clean Shell Oil C Facility		Industrial	Privately-O	1 1000	Irvin Newport Beach	92660	Orange	33.62858	-117.908
8	228422 GW CLEAI MOBIL BU Facility		All other fa	Privately-O	1 1000	PAC NEWPORT BEACH	92660	Orange		
8	228421 GW CLEAI EXXON M(Facility		Industrial	Privately-O	1 301	PACIF NEWPORT BEACH	92660	Orange		
8	228420 GW CLEAI TRIANGLE Facility		Industrial	Privately-O	1 PCH	AND NEWPORT BEACH		Orange		
8	244269 Newport PI Newport PI Facility		Industrial	Privately-O	1 2810	Villa Newport Beach		Orange		
8	244269 Newport PI Newport PI Facility		Industrial	Privately-O	1 2810	Villa Newport Beach		Orange		
8	270748 VOC INVE ISCI, INC. Facility		Industrial	Privately-O	1 2033	COL ORANGE		Orange		
9	249186 Prima Deshecha Sanit Facility	Land fill	Solid Waste	e Class III - no	nhazard 3225	0  La ∣San Juan Capistrano	92675	Orange	33.51348	-117.623
8	228487 GW Clean Craig Deve Facility		Industrial	Privately-O	1 2102	Sout Santa Ana	92707	Orange	33.71961	-117.868
8	228542 GW Clean USA Gasol Facility		Industrial	Privately-O	1 1460	0 EdvWestminster	92683	Orange	33.75097	-118.016
8	228536 GW CLEAI Chevron U Facility		Industrial	Privately-O	1 1548	2 BE/WESTMINSTER	92683	Orange		
8	228546 GW Clean Spitzer, Art Facility		Industrial	Privately-O	1 1407	2 MagWestminster		Orange		
8	228546 GW Clean Spitzer, Art Facility		Industrial	Privately-O	1 1407	2 Ma(Westminster		Orange		

4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 4581 Airports, Flying Fields, and Airport Terminal S 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 1611 Highway and Street Construction, Except Elev 4959 Sanitary Services, NEC 3471 Electroplating, Plating, Polishing, Anodizing, a 3471 Electroplating, Plating, Polishing, Anodizing, a 4959 Sanitary Services, NEC 4953 Refuse Systems 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC 4959 Sanitary Services, NEC

4959 Sanitary Services, NEC

## **GE AVIATION SYSTEMS LLC - DUARTE**

1700 BUSINESS CENTER DRIVE DUARTE, CA 91010

Inquiry Number: June 20, 2013

# EDR Site Report<sup>™</sup>



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

## TABLE OF CONTENTS

The EDR-Site Report<sup>™</sup> 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:

Section 1: Facility Summary Page 3
Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.
Section 2: Facility Detail Reports
All available detailed information from databases where sites are identified.
Name, source, update dates, contact phone number and description of each of the databases

for this report.

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

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 GE AVIATION SYSTEMS LLC - DUARTE 1700 BUSINESS CENTER DRIVE DUARTE CA 91010			
AREA	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			

### WASTE MANAGEMENT

### Facility generates hazardous waste

## DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

GE AVIATION SYSTEMS LLC 1700 BUSINESS CENTER DF DUARTE, CA 91010 EDR ID #1000385001	C - DUARTE RIVE
RCRA-LQG: Date form received by agency Facility name: Facility address: EPA ID: Mailing address: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	CO2/27/2012 GE AVIATION SYTEMS, LLC 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 CAD008503112 BUSINESS CENTER DRIVE DUARTE, CA 91010 LONNIE R OLSEN BUSINESS CENTER DRIVE DUARTE, CA 91010 Not reported (626) 246-0753 Not reported (626) 246-0753 Not reported 09 Private Large Quantity Generator 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; or generates 1 kg or less of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month; or generates 1 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; 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
Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time GE AVIATION SYSTEMS, LLC PATTERSON AVE SE GRAND RAPIDS, MI 49512 Not reported (616) 241-7000 Private Owner 05/04/2007 Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	GE AVIATION SYSTEMS, LLC PATTERSON AVE SE GRAND RAPIDS, MI 49512 US (616) 241-7000 Private Operator 05/01/2007 Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported (415) 555-1212 Private Operator Not reported Not reported Not reported
Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioa Recycler of hazardous waste: Transporter of hazardous was Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption:	aste: No ctive): No No te: No TW: No : No No No

	Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burne Used oil Specification markete Used oil transfer facility: Used oil transporter:	No No No Pr: No No No
Hi	storical Generators: Date form received by agency: Facility name: Site name: Classification:	01/07/2008 GE AVIATION SYTEMS, LLC GE AVIATION SYSTEMS LLC Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/27/2004 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION SYSTEMS - LA Small Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/27/2004 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION SYSTEMS - LA Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	07/10/2001 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Small Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:09/01/1996 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:03/25/1996 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LOS ANGELES Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:03/15/1994 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LA Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:02/25/1992 GE AVIATION SYTEMS, LLC DOWTY AEROSPACE LOS ANGELES Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:04/16/1990 GE AVIATION SYTEMS, LLC DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS Large Quantity Generator
	Date form received by agency: Facility name: Site name: Classification:	:06/30/1980 GE AVIATION SYTEMS, LLC SMITHS AEROSPACE ACTUATION Large Quantity Generator
Ha	izardous Waste Summary: Waste code: Waste name:	D001 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: Waste name:	D002 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: Waste name:	D007 CHROMIUM
	Waste code: Waste name:	D008 LEAD
	Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE,

...Continued...

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

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 REVEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINKER 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 A CORROSIVE HAZARDOUS WASTE. SOLUTION WITH A HIGH PH, IS OFTEN USED BY MANY INDUSTRIES TO CLEAN OR DEGREASE PARTS HYDROCH CONTO ACID A IN USED BY MUND STRIES TO CLEAN OR DEGREASE PARTS. HYDROCH CORTON A IS OFTEN USED BY MANY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCH CORTON PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.         Amount (Lbs):       863         Waste code:       D008         Waste name:       LEAD Amount (Lbs):         Sold       54         Waste name:       THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BEAZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, NBUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL, ALL SPENT SOLVENTS: XNLEB OCNTAINING, BEFORE USS, ONLY THE ABOVE BEYN NON-HALOGENATED SOLVENTS: AND ATOLUS OF NORE OF THOSE SOLVENTS LISTED IN FOOT, FOOZ, FOO4, AND SOLX AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES/BLENDS C	Annual Waste Handled:	
Waste orde: Waste name:D002 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 WASTE MORIZON WASTE. DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.Amount (Lbs):883Waste code: Waste name:D007 CHROMIUM StoldWaste code: Waste name:D007 CHROMIUM StoldWaste code: Waste name:D008 LEADWaste code: Waste name:PO03 LEADWaste code: Volution Status:No violations foundEvaluation Action Summary: Evaluation reported Are of violation: Are of violation: Prevent State Contractor/GranteeEvaluation lead agency:22/23/1993 State CONTAININSPECTION ON-SITE Not reported Not reported Not reported Not reportedViolation lead agency:SUMPLIANCE	Waste code: Waste name: Amount (Lbs):	D001 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. 2237
Waste rame:     DU02       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 INDUSTRES 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):       S4     S44       Waste code:     D008       Waste code:     D008       Waste name:     LEAD       Amount (Lbs):     54       Waste name:     THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SOPENT SOLVENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS: AND ALL SPENT SOLVENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY OF THESE SPENT SOLVENT MIXTURES/BLENDS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES/ SOLVENTS, AND, A TOTAL OF THE PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN FOUT, FOUS, FNUS, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND		Daga
Waste code: Waste name: Amount (Lbs):D007 CHROMIUM 35040Waste code: Waste name: Amount (Lbs):D008 LEAD 54Waste code: Waste name:F003 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: MOLAL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS; AND, A TOTAL OF TEN PERCENT NON-HALOGENATED SOLVENTS; MORE OF SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS; AND, A TOTAL OF TEN PERCENT OR MORE OF ONE OR MORE OF ONE OR MORE OF THOSE SOLVENTS SOLVENTS AND SPENT SOLVENT MIXTURES. Z37Violation Status:No violations foundEvaluation Action Summary: Evaluation date: Evaluation lead agency:22/23/1993 COMPELIANCE EVALUATION INSPECTION ON-SITE Not reported State Contractor/Grantee	Waste name: Waste name: Amount (Lbs):	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. 883
Waste code: Waste name: Amount (Lbs):D008 LEAD 54Waste code: Waste code: Waste name:F003 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, SOLVENT	Waste code: Waste name: Amount (Lbs):	D007 CHROMIUM 35040
Waste code:F003 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. 2237Violation Status:No violations foundEvaluation date: Evaluation: Area of violation: Date achieved compliance: 	Waste code: Waste name: Amount (Lbs):	D008 LEAD 54
Violation Status:       No violations found         Evaluation Action Summary:       02/23/1993         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	Waste code: Waste name: Amount (I bs):	F003 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. 2237
Violation Status:No violations foundEvaluation Action Summary: Evaluation date:02/23/1993 COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation:Area of violation:Not reported Date achieved compliance:Not reported Evaluation lead agency:State Contractor/Grantee		
Evaluation Action Summary:       02/23/1993         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	Violation Status:	No violations found
	Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	02/23/1993 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported State Contractor/Grantee

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#### **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: Title of Certifying Official: 2009 **BUSINESS SITE LEADER** Certifying official: Mailing Name: Mailing Address: BRIAN LANGAN GE AVIATION SYSTEMS LLC - DUARTE 1700 BUSINESS CENTER DR DUARTE, CA 9101 BRIAN LANGAN (626) 359-9211 Contact: Contact Telephone: NAICS codes: NAICS origin: 333995 Not reported 34.134135 -117.967893 Reported Latitude: Reported Longitude: DUNS Number: 008503112 EPA ID: Not reported RCRA ID: NPDES ID: Not reported Not reported UIC ID: Not reported GENERAL ELECTRIC CO (GE CO) 001367960 Parent Name: Parent DUNS Number: CAS Number: 007440473 Chemical Name: CHROMIUM Chemical is produced in facility: Chemical is imported: NO NÔ 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 R

 LOS ANGLES RIVER 

 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
 1

 Total amount of all stream release:
 0

 Total qty injected underground onsite to Class I well:
 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

 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: 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 7.5 Tot. offsite transfers: Tot. offsite transfers for further waste management: 41486 Metal indicator: YES Contact email: BRIAN.LANGAN@GE.COM Not reported Not reported Revision code 1: Revision code 2: Chemical Name: CHROMIUM NAICS codes: NAICS origin: Qty released prior year: 333995 Not reported 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 BRIAN.LANGAN@GE.COM Contact email: Revision code 1: Not reported

Revision code 2:	Not reported	
CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address:	007440473 ARD069748192 CLEAN HARBORS EL DORADO, LLC 309 AMERICAN CIRCLE EL DORADO, AR 71730	
Onsite County: NAICS codes: NAICS origin: Estimated tot. qty reported chemi Est tot qty reported chemical in w Estimated tot. qty of reported che Estimated tot. qty of reported che System generated tot. qty of repo System generated tot. qty of repo	Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste treatment: mical subjected to waste broker disposal: ent offsite for energy recovery: rted chemical in the waste sent offsite for energy recovery: rted chemical in the waste transferred for solvents/organics recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County:	007440473 CAD008364432 RHO CHEM 425 ISIS AVENUE INGLEWOOD, CA 90301 LOS ANGELES	
NAICS codes: NAICS origin: Estimated tot. qty reported chemi Est tot qty reported chemical in w Estimated tot. qty of reported che Estimated tot. qty of reported che System generated tot. qty of repo System generated system gene	333995 Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste water treatment excluding POTW: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred to waste broker disposal: ent offsite for energy recovery: rted chemical in the waste sent offsite for energy recovery: rted chemical in the waste transferred for solvents/organics recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported Not reported Not reported	0 0 0 0 0 0 5.7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes: NAICS origin:	CAD983570938 SPADRA LANDFILL GAS TO ENERGY 2800 WORKMAN MILL RD WHITTIER, CA 90601 LOS ANGELES 333995 Not reported	_
Estimated tot. qty reported chemi	cal in waste:	0

Est tot qty reported chemical in wa Estimated tot. qty of reported chemical Estimated tot. qty of reported chemical System generated tot. qty of repo System generated tot. qty of rep	aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred to waste broker disposal: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical subjected to waste broker disposal: ant offsite for energy recovery: ted chemical in the waste sent offsite for energy recovery: ted chemical in the waste transferred for solvents/organics recovery: ted chemical in the waste transferred for other reuse/recovery: ted chemical in the waste transferred for acid regeneration: ted chemical in the waste transferred for acid regeneration: ted chemical in the waste transferred for acid regeneration: ted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address:	007440473 CAR000111567 S O S ECOLOGY MANAGEMENT INC 201 E GARDENA BLVD STE A GARDENA, CA 90248	
Offsite County: NAICS codes: NAICS origin: Estimated tot. qty reported chemic Estit to qty reported chemical in with Estimated tot. qty of reported chemical Estimated tot. qty of reported chemical estimated tot. qty of reported System generated tot. qty of reported System generated tot	LOS ANGELES 333995 Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite landfill impoundments ponds: mical in waste subjected to land treatment: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical in waste subjected to waste broker disposal: mical transferred offsite for unknown processing: mical transferred offsite for solidification/stabilization: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for incineration/chemical treatment: mical transferred offsite for waste water treatment excluding POTW: mical transferred offsite for waste treatment excluding POTW: mical transferred offsite for waste treatment: mical subjected to waste broker disposal: ent offsite for energy recovery: ted chemical in the waste transferred for solvents/organics recovery: ted chemical in the waste transferred for metal recovery: ted chemical in the waste transferred for other reuse/recovery: ted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM Not reported Not reported Not reported	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes: NAICS origin: Estimated tot. qty reported chemic Estimated tot. qty of reported chemical in w. Estimated tot. qty of reported chemical in the estimated tot. qty of reported chemical in the estimated tot. qty of reported chemical is the estimated tot. qty of reported chemical is the estimated tot. qty of reported chemical is System generated tot. qty of repoof System generated tot. qty of repo	007440473 NA CLEAN HARBORS LOS ANGELES 5756 ALBA STREET LOS ANGELES, CA 90058 LOS ANGELES 333995 Not reported cal in waste: aste transferred offsite for solidification/stabilization: mical in waste transferred to offsite wastewater treatment: mical in waste transferred to offsite underground injection: mical in waste transferred to offsite landfill impoundments ponds: mical in waste transferred to offsite landfill impoundments ponds: mical in waste transferred to other land disposal: mical in waste subjected to other land disposal: mical in waste subjected to other offsite management: mical in waste subjected to other offsite management: mical transferred offsite for unknown processing: mical transferred offsite for incineration/chelical treatment: mical transferred offsite for incineration/stabilization: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred offsite for incineration/insignificant fuel value: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred offsite for waste treatment: mical transferred to waste broker disposal: ent offsite for energy recovery: rted chemical in the waste transferred for energy recovery: rted chemical in the waste transferred for solvents/organics recovery: rted chemical in the waste transferred for other reuse/recovery: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred for acid regeneration: rted chemical in the waste transferred to broker for recycling: YES BRIAN.LANGAN@GE.COM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Revision code 2: CAS Number: Offsite RCRA ID: Offsite Name: Offsite Address: Offsite County: NAICS codes: NAICS origin:	Not reported 007440473 NA TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVENUE ADELANTO, CA 92301 SAN BERNARDINO 333995 Not reported	
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...Continued...

 System generated tot. qty of reported chemical in the waste transferred to broker for recycling:

 Metal indicator:
 YES

 Contact email:
 BRIAN.LANGAN@GE.COM

 Revision code 1:
 Not reported

 Revision code 2:
 Not reported

CAS #: NAICS codes: NAICS origin: DCN: POTW Name: POTW Address:

Metal indicator: Contact email: Revision code 1: Revision code 2:

NAICS codes: NAICS origin: Facility is federal: Facility is GOCO: Data covers entire fac.: Data covers part of fac.: Contact email: BRIAN.LANGAN@GE.COM Not reported 007440473 Not reported Not reported 1309207652898 Not reported

Not reported 1309207652898 Not reported Not reported YES BRIAN.LANGAN@GE.COM Not reported Not reported

333995 Not reported NO YES NO BRIAN.LANGAN@GE.COM 0

...Continued...

#### 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
5	DUARTE, CA 91010-2859
Facility County:	LOS ANGELES
Facility URL:	http://iaspub.epa.gov/enviro/fii guery detail.disp program facility?p registry id=110000476556
FIPS:	06037
Fed Facility:	Not reported
Fed Agency:	Not reported
Tribal Ľand:	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/Infor	mation 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

CAD008503112 RCRAINFO

Program System ID: Program Sys. Name: Env. Interest Type: Env. Interest Start Dt.: Start Date Qualifier: Env. Interest End Dt.: End Date Qualifier: Data Source: Active Code: LQG 30-JUN-80 FIRST NOTIFICATION DATE Not reported RCRAINFO Yes CAD008503112 HWTS-DATAMART STATE MASTER Not reported Not reported Not reported

Program System ID:

Not reported CAD008503112

HWTS-DATAMART

Not reported

Not reported

...Continued...

Program Sys. Name: Env. Interest Type: BR HAZARDOUS WASTE BIENNIAL REPORTER Env. Interest Start Dt.: Not reported Not reported Start Date Qualifier: 01-JAN-04 Env. Interest End Dt.: End Date Qualifier: YEAR REPORTING STOPPED RCRAINFO Data Source: Active Code: No Program System ID: Program Sys. Name: 91010DWTYR1700B TRIS Env. Interest Type: Env. Interest Start Dt.: TRI REPORTER 31-DEC-87 FIRST REPORTING YEAR Start Date Qualifier: Env. Interest End Dt .: Not reported End Date Qualifier: Not reported TRI REPORTING FORM Data Source: Active Code: Not reported Alternative Name: DOWTY AEROSPACE LOS ANGELES GE AVIATION SYSTEMS LLC GE AVIATION SYSTEMS LLC Alternative Name: - DUARTE Alternative Name: GE AVIATION SYSTEMS LLC DUARTE Alternative Name: SMITHS AEROSPACE ACTUATION SMITHS AEROSPACE ACTUATION SMITHS AEROSPACE ACTUATION SYS. LOS ANGELES INC. SMITHS AEROSPACE ACTUATIONS SYS L A INC SMITHS AEROSPACE MECHANICAL SYSTEMS LA Alternative Name: Alternative Name: Alternative Name: Alternative Name: Contact Name: **BRIAN LANGAN** Contact Type: Contact Title: PUBLIC CONTACT Not reported (626) 359-9211 Not reported Contact Telephone: Contact Fax: Contact email: Not reported Contact Address: Not reported Not reported Contact Name: Contact Type: Contact Title: LISA SAYLOR TECHNICAL CONTACT Not reported (626) 201-0356 Contact Telephone: Contact Fax: Not reported Contact email: Not reported Not reported Contact Address: Not reported ROBERT KIPFERL Contact Name: Contact Type: REGULATORY CONTACT Contact Title: Not reported 626-359-9211 1308 Contact Telephone: Contact Fax: Not reported ROBERT.KIPFERL@GE.COM 1700 BUSINESS CENTER DR Contact email: Contact Address: **DUARTE, CA 91010** NAICS Code: 333995(FLUID POWER CYLINDER AND ACTUATOR MANUFACTURING.) GE AVIATION SYSTEMS LLC OPERATOR PRIVATE Organization Name: Affiliation Type: Organization Type: DUNS Number: Not reported **Division Name:** Not reported Telephone Number: Not reported Alternative Number: Not reported Not reported Fax Number: Not reported Not reported Email: EIN: State Business ID: Not reported Not reported Not reported Parent Name: Parent DUNS: Mailing Address: Not reported Not reported Not reported OWNER/OPERATOR PRIVATE 008503112 Organization Name: Affiliation Type: Organization Type: DUNS Number: **Division Name:** Not reported Telephone Number: Not reported Not reported Alternative Number: Fax Number: Not reported Email: Not reported EIN: Not reported

State Business ID:

Parent Name:

Not reported

Not reported

Parent DUNS: Mailing Address:	Not reported Not reported Not reported
Organization Name: Affiliation Type: Organization Type: DUNS Number: Division Name: Telephone Number: Alternative Number: Fax Number: Email: EIN: State Business ID: Parent Name: Parent DUNS: Mailing Address:	GE AVIATION SYSTEMS LLC OWNER PRIVATE Not reported Not reported
Organization Name: Affiliation Type: Organization Type: DUNS Number: Division Name: Telephone Number: Alternative Number: Fax Number: Email: EIN: State Business ID: Parent Name: Parent DUNS: Mailing Address:	GENERAL ELECTRIC CO (GE CO) PARENT COMPANY PRIVATE 001367960 Not reported Not reported
Supplemental Interest: PGM Sys ID: Supplemental PGM Sys ID: Start Date: Start Date Qualifier: End Date: End Date Qualifier: Date Source: Last Reported: Date Created: Date Updated:	STATE MASTER Not reported Not reported Not reported Not reported Not reported HWTS-DATAMART Not reported 18-NOV-04 Not reported
Supplemental Interest: PGM Sys ID: Supplemental PGM Sys ID: Start Date: End Date: End Date Qualifier: Date Source: Last Reported: Date Created: Date Updated:	TRI REPORTER ICIS HQ-2010-8007 06-APR-11 FINAL ORDER ISSUED Not reported Not reported ICIS 14-APR-11 01-JUN-11 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: EPÁ

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

elephone: 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



Owner Information Pldg Card: 000 of 002								
Owner Name: Mailing Address: Vesting Codes:		WOODWARD HRT INC 1700 BUSINESS CENTER DR, DUARTE CA 91010-2859 C015 // CO						
Location Information	ion							
Legal Description: County:		PARCEL OF P M L LOS ANG	MAP AS PER BK 6 PG .OT 1 GELES, CA	1 APN:		8528-	011-020	
Census Tract / Block: Township-Range-Sect:		4301.01/	3	Alternate APN: Subdivision: Map Reference:		20-05	/ 569-B6	
Legal Bookrage. Legal Lot: Legal Block: Market Area: Neighbor Code:		1		Tract #: School District: Munic/Township:		DUARTE		
Owner Transfer In	formation							
Recording/Sale Date: Sale Price: Document #:		1		Deed Type: 1st Mtg Document #	ŧ:			
Last Market Sale I	nformation							
Recording/Sale Date: Sale Price: Sale Type: Document #: Dead Type:		12/28/2012 / 12/22/2012 \$11,700,000 FULL 2018522 GRANT DEED		1st Mtg Amount/Typ 1st Mtg Int. Rate/Ty 1st Mtg Document # 2nd Mtg Amount/Ty 2nd Mtg Int. Rate/Ty	1st Mtg Amount/Type: 1st Mtg Int. Rate/Type: 1st Mtg Document #: 2nd Mtg Amount/Type: 2nd Mtg Int. Rate/Type:			
Transfer Document #: New Construction: Title Company:		CHICAG	D TITLE CO.	Price Per SqFt: Multi/Split Sale:		\$102. <sup>-</sup>	10	
Lender: Seller Name:		GE AVIATION SYSTEMS LLC						
Prior Sale Informa	tion							
Prior Rec/Sale Date: Prior Sale Price: Prior Doc Number: Prior Deed Type:		/		Prior Lender: Prior 1st Mtg Amt/Ty Prior 1st Mtg Rate/T	/pe: ype:	/ /		
Property Characte	ristics							
Year Built / Eff: Gross Area: Building Area: Tot Adj Area: Above Grade: # of Stories: Other Improvements:	1964 / 114,599 114,599		Total Rooms/Offices Total Restrooms: Roof Type: Roof Material: Construction: Foundation: Exterior wall: Basement Area:		Garage Area: Garage Capacil Parking Spaces Heat Type: Air Cond: Pool: Quality: Condition:	y: :		
Site Information								
Zoning:	DUM1*		Acres:	9.01	County Use:		HEAVY MANUFACTURING (3200)	
Lot Area: Land Use: Site Influence:	392,599 HEAVY IND	USTRIAL	Lot Width/Depth: Commercial Units: Sewer Type:	x	State Use: Water Type: Building Class:		· · · ·	
Tax Information								
Total Value: Land Value: Improvement Value: Total Taxable Value:	\$6,770,928 \$3,574,928 \$3,196,000 \$6,770,928		Assessed Year: Improved %: Tax Year:	2012 47% 2012	Property Tax: Tax Area: Tax Exemption:		\$98,772.77 3306	

## **Property Detail Report**

## For Property Located At : 1716 EVERGREEN ST, DUARTE, CA 91010



Owner Information	n						
Owner Name: Mailing Address: Vesting Codes:	wner Name:       S C INVESTMENTS DUARTE         ailing Address:       11620 WILSHIRE BLVD #300, LOS ANGELES CA 90025-1769 C003 C/O HOWARD SCHWIMMER         esting Codes:       // PS						
Location Informat	ion						
Legal Description:		LAND DE 1038522,9	SC IN DOC 930602 TR= 4365 POR	OF			
County: Census Tract / Block: Township-Range-Sect: Legal Book/Page: Legal Block: Market Area: Neighbor Code:		LOT A LOS ANG 4301.01 / 45-30 A	DT A         DS ANGELES, CA       APN:         .01.01 / 3       Alternate APN:         Subdivision:       Subdivision:         Grad       Map Reference:         Tract #:       School District:         Munic/Township:       Munic/Township:		8528-011-022 4365 29-D5 / 568-B6 4365 DUARTE		
Owner Transfer In	formation						
Recording/Sale Date: 06/02/1993 / Sale Price: 1038522		93 /	Deed Type: 1st Mtg Document #:		PARTNERSHIP GRANT DEED		
Last Market Sale I	nformation						
Recording/Sale Date: Sale Price: Sale Type: Document #: Deed Type: Transfer Document #: New Construction: Title Company: Loader		03/02/199 339804 GRANT E	00 / 11/1989 DEED	1st Mtg Amount/Type: 1st Mtg Int. Rate/Type: 1st Mtg Document #: 2nd Mtg Amount/Type: 2nd Mtg Int. Rate/Type: Price Per SqFt: Multi/Split Sale:		/ / / /	
Lender: Seller Name:		LEWIS RICHARD L					
Prior Sale Informa	tion						
Prior Rec/Sale Date: / Prior Sale Price: Prior Doc Number: Prior Deed Type:			Prior Lender: Prior 1st Mtg Amt/Type: Prior 1st Mtg Rate/Type:		/ /		
Property Characte	eristics						
Year Built / Eff: Gross Area: Building Area: Tot Adj Area: Above Grade: # of Stories: Other Improvements:	1978 / 1978 70,890 70,890 1.00		Total Rooms/Offices Total Restrooms: Roof Type: Roof Material: Construction: Foundation: Exterior wall: Basement Area:	TRUSS-JOIST CONCRETE CONCRETE TILT-UP	Garage Area: Garage Capacit Parking Spaces Heat Type: Air Cond: Pool: Quality: Condition:	y:	166 PARTIAL AVERAGE GOOD
Site Information							
Zoning: Lot Area: Land Use: Site Influence:	DUM1* 136,693 WAREHOUS CORNER	ε	Acres: Lot Width/Depth: Commercial Units: Sewer Type:	3.14 x	County Use: State Use: Water Type: Building Class:		WHSE-50000+ SF (3330)
Tax Information							
Total Value: Land Value: Improvement Value: Total Taxable Value:	\$4,933,321 \$2,355,337 \$2,577,984 \$4,933,321		Assessed Year: Improved %: Tax Year:	2012 52% 2012	Property Tax: Tax Area: Tax Exemption:		\$67,465.03 3407

## **Property Detail Report**

## For Property Located At : 1801 HIGHLAND AVE, DUARTE, CA 91010-2839



Owner Information Bldg Card: 000 of 002								
Owner Name: Mailing Address: Vesting Codes:		HIGHLAND INDUSTRIAL CENTER LLC 11620 WILSHIRE BLVD #300, LOS ANGELES CA 90025-1769 C003 C/O HOWARD SCHWIMMER // CO						
Location Informati	ion							
Legal Description: PARCEL MAP AS PER BK 6 PG 1								
County: Census Tract / Block: Township-Range-Sect: Legal Book/Page: Legal Lot: Legal Block: Market Area: Neighbor Code:		LOS ANGELES, CA 4301.01 / 3 2		APN: Alternate APN: Subdivision: Map Reference: Tract #: School District: Munic/Township:		8528-0	011-021	
						43-B4 DUAR	/ 568-B6 TE	
Owner Transfer Information								
Recording/Sale Date: Sale Price: Document #:		1		Deed Type: 1st Mtg Document #	<i>t</i> :			
Last Market Sale Information								
Recording/Sale Date: Sale Price:		12/20/200 \$5,000,05	00 / 12/13/2000 50	1st Mtg Amount/Typ 1st Mtg Int. Rate/Ty 1st Mtg Document #	pe: +	\$3,945 /	5,000 / CONV	
Document #:		1981834 GRANT DEED		2nd Mtg Amount/Ty 2nd Mtg Int Rate/Ty	2nd Mtg Amount/Type: 2nd Mtg Int, Rate/Type:			
Transfer Document #:		Citrati I		Price Per SqFt: Multi/Split Sale	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, \$38.92	2	
Title Company:		STEWAR	T TITLE	Man, opin Galo.				
Seller Name:		MONUME	ENTAL LIFE INSURANC	E				
Prior Sale Information								
Prior Rec/Sale Date: Prior Sale Price: Prior Doc Number: Prior Deed Type:		10/27/199 \$4,227,90 1745684 TRUSTE	95 / 04 E DEED	Prior Lender: Prior 1st Mtg Amt/Ty Prior 1st Mtg Rate/T	ype: ype:	;		
Property Characteristics								
Year Built / Eff: Gross Area: Building Area: Tot Adj Area: Above Grade: # of Stories: Other Improvements:	1966 / 128,466 128,466		Total Rooms/Offices Total Restrooms: Roof Type: Roof Material: Construction: Foundation: Exterior wall: Basement Area:		Garage Area: Garage Capacit Parking Spaces Heat Type: Air Cond: Pool: Quality: Condition:	ty: ::		
Site Information								
Zoning: Lot Area: Land Use: Site Influence:	DUM1* 286,938 WAREHOUS	SE	Acres: Lot Width/Depth: Commercial Units: Sewer Type:	6.59 x 12	County Use: State Use: Water Type: Building Class:		WHSE-50000+ SF (3330)	
Tax Information								
Total Value: Land Value: Improvement Value: Total Taxable Value:	\$6,284,279 \$3,599,010 \$2,685,269 \$6,284,279		Assessed Year: Improved %: Tax Year:	2012 43% 2012	Property Tax: Tax Area: Tax Exemption:		\$88,524.76 3306	

http://pro.realquest.com/jsp/report.jsp?&client=&action=confirm&type=getreport&recordn... 6/19/2013



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PARCEL #1



# **PARCEL #3 TENANTS**

<u>ID #</u>	<u>ADDRESS</u>	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



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com
# **TABLE OF CONTENTS**

# **SECTION**

**Executive Summary** 

Findings

**City Directory Images** 

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

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING. WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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# **EXECUTIVE SUMMARY**

## DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 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.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2012	Cole Information Services	-	х	Х	-
2007	Cole Information Services	-	х	Х	-
2006	Haines Company	-	х	Х	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	х	Х	-
2000	Haines & Company	-	х	Х	-
1999	Haines Company	-	х	Х	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	х	Х	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	х	Х	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	х	Х	-
1981	Pacific Telephone	-	х	Х	-
1980	Pacific Telephone	-	х	Х	-
1976	Pacific Telephone	-	х	Х	-
1975	Pacific Telephone	-	х	Х	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	х	Х	-
1970	Pacific Telephone	-	х	Х	-
	R. L. Polk & Co.	-	х	Х	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	Х	Х	-

# **EXECUTIVE SUMMARY**

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	Source Image
1966	Pacific Telephone	-	Х	х	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	Luskey Brothers & Co	-	-	-	-
1960	Pacific Telephone	-	Х	х	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	Х	х	-
1956	General Telephone Company Publishers	-	-	-	-
1955	Home Directory Service	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	х	х	-
1950	Pacific Telephone	-	х	х	-
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.	-	х	х	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1937	Los Angeles Directory Co.	-	х	х	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	х	х	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	х	х	-
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.	-	Х	х	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

# TARGET PROPERTY INFORMATION

# ADDRESS

Multiple Addresses Duarte, CA 91010

# **FINDINGS DETAIL**

Target Property research detail.

# 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**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COMTECTELINC	Haines Company
1700 BU	SINESS CENTER DR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 BU	SINESS CENTER DR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 BU	SINESS CENTER DR	
Year	Uses	Source

	<u></u>	<u></u>
2012	COASTAL COMPOSITES	Cole Information Services
	ELEMENT SIX	Cole Information Services
2007	J T BROTHERS INC	Cole Information Services

<u>Year</u>	<u>Uses</u>
2007	JINHOO INTERNATIONAL INC
	COASTAL COMPOSITES
	ELEMENT SIX
2006	INTERNATIONAL INC NUWAVE
	JINHOO
	INTERNATIONAL INC
1999	JAJATA INTERNATIONAL

# 1735 BUSINESS CENTER DR

<u>Year</u>	<u>Uses</u>
2012	S V I INTERNATL INC
2007	S V I INTERNATIONAL INC
2006	S V i INTERNATL INC
1999	X HIGHLAND AV
	S V I INTERNATL INC

#### **1803 BUSINESS CENTER DR**

<u>Uses</u>	<u>Source</u>
QUALITY PRECISSION CLEANING	Cole Information Services
JETCO	Cole Information Services
PT COMPUTER WORK	Cole Information Services
SARI ART & PRINTING INC	Cole Information Services
JETCO	Cole Information Services
PT COMPUTER	Haines Company
JETCO 626 359 2 U	Haines Company
SARI ART&PRINTING	Haines Company
P T COMPUTER WORK SARI ART & PRINTING	Haines Company
AHL TECH CONSTRUCTION	Pacific Bell
BARKER METAL PRODUCTS BUSINESS CENTER DR DUARTE	Pacific Telephone
	Uses QUALITY PRECISSION CLEANING JETCO PT COMPUTER WORK SARI ART & PRINTING INC JETCO PT COMPUTER JETCO 626 359 2 U SARI ART&PRINTING P T COMPUTER WORK SARI ART & PRINTING AHL TECH CONSTRUCTION BARKER METAL PRODUCTS BUSINESS CENTER DR DUARTE

# **BUSINESS CENTR DR**

#### 1735 BUSINESS CENTR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	S V1 INTERNATI INC	Pacific Bell

# Source

Cole Information Services
Cole Information Services
Cole Information Services
Haines Company
Haines Company
Haines Company
Haines Company

# <u>Source</u>

**Cole Information Services Cole Information Services** Haines Company Haines Company Haines Company

# DATE AVE

<u></u>		
1802 DA	TE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	RODRIGUEZ MARTHA	Pacific Tel
<u>DATE S</u>	I	
1801 DA	TE ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	LANENGA JOHN J	Pacific Tel
1802 DA	TE ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	RODRIGUEZ HENRY R	Pacific Tel
	RODRIGUEZ HENRY R	Pacific Tel
1804 DA	TE ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	BAKER W V	Pacific Tel
1805 DA	TE ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	SCIALDONE JOHN S	Pacific Tel
1966	HILLEGASS J A	Pacific Tel
1960	HADLEY ELVIRA	Pacific Tel
1809 DA	TE ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	BROWN EDWIN	Pacific Tel
1957	HADLEY ELVIRA R	Pacific Tel
DENNIN	IG AVE	
1503 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BANKS ROY C	Pacific Tel
1957	BANKS ROY C	Pacific Tel
1509 DE	NNING AVE	

<u>Year</u> <u>Uses</u> 1960 RODRIGUEZ PABLO T lephone

lephone

lephone lephone

lephone

lephone lephone lephone

lephone lephone

lephone lephone

<u>Source</u> Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	FENTON HARRY M JR R	Pacific Telephone
1515 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1960	BAKER ROSE M	Pacific Telephone
1957	BAKER ROSE M	Pacific Telephone
1518 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1960	HOLLAND EDWIN	Pacific Telephone
1957	LOEFFEL PAUL	Pacific Telephone
1521 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1960	ALLEN ROBT W	Pacific Telephone
1957	ALLEN ROBT W	Pacific Telephone
	KNIGHT ROSCOE C MRS	Pacific Telephone
1524 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	LOEFFEL PAUL	Pacific Telephone
1527 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1957	BRISCH WALTER F	Pacific Telephone
1539 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
2006	BALLINL	Haines Company
1999	SERRANO Gaberial	Haines Company
1995	l Serrano Gabriel	Pacific Bell
1960	GONZALES PATRICIA	Pacific Telephone
1957	COXON BRUCE G	Pacific Telephone
1540 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1957	BOULDEN JAS R	Pacific Telephone
1602 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	HALL MICHAEL	Pacific Telephone

#### 1603 DENNING AVE

<u>Uses</u>	<u>Source</u>
AVISO Oscar	Haines Company
BOTHE BILL A	Pacific Telephone
BOTHE BILL A	Pacific Telephone
	<u>Uses</u> AVISO Oscar BOTHE BILL A BOTHE BILL A

## 1609 DENNING AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o VILLALOBOS Marlin	Haines Company
1966	HARRIS LEE W	Pacific Telephone
1957	HARRIS LEE W	Pacific Telephone

#### 1615 DENNING AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	MACPHERSON F H MRS R	Pacific Telephone
	MACPHERSON F H MRS R	Pacific Telephone

#### 1601 DUARTE RD

<u>Year</u>	<u>Uses</u>
1950	YEARY DON E R
	YEARY DON E R

# 1604 DUARTE RD

<u>Year</u>	<u>Uses</u>
1950	HICKERSON GEO R R
	HICKERSON GEO R R

# 1610 DUARTE RD

<u>Year</u>	<u>Uses</u>
1950	MCDONALD DEAN JR R
	MCDONALD DEAN JR R

# c

# <u>Source</u> Pacific Telephone Pacific Telephone

# <u>Source</u>

Pacific Telephone Pacific Telephone

# <u>Source</u>

Pacific Telephone Pacific Telephone

# <u>E DUARTE RD</u>

1600 E DUARTE RD			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1995	Medicine Shoppe The	Pacific Bell	
EVERGR	EEN		
1708 EVE	RGREEN		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	BASSEYWilson	Haines & Company, Inc.	
1709 EVE	RGREEN		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	PARTIDA Leslie	Haines & Company, Inc.	
1710 EVE	RGREEN		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	G 18 BSRuger	Haines & Company, Inc.	
1711 EVE	RGREEN		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	HAZARDMichael	Haines & Company, Inc.	
1714 EVE	RGREEN		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	VIGILEleanor	Haines & Company, Inc.	
1715 EVERGREEN			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	FRODINGWaldos	Haines & Company, Inc.	
1718 EVERGREEN			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	WEBER RM	Haines & Company, Inc.	
1719 EVERGREEN			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	TRANHong 00 C	Haines & Company, Inc.	

1722	FVFRGRFFN	

<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	AYUSOLawrence	Н
1723 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	XXXX	Н
1726 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	SCHILLING MernII W	Н
1727 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	MCKAYAlan 00 C	Н
1731 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	SHATTUCKShawna	Н
	YOUNGBLOOD Dauid L	Н
1734 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	SCORTEZRene 00 O	H
1735 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	OBOOTE Robert	Н
1738 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	OMORELGail	Н
1742 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2001	HALAMICEKCAJr	Н
1743 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>S</u>

2001 DAVIESBlair

<u>Source</u> Haines & Company, Inc.

<u>Source</u> Haines & Company, Inc. Haines & Company, Inc.

<u>Source</u> Haines & Company, Inc.

#### 1746 EVERGREEN

<u>Year</u>	<u>Uses</u>
2001	BROOKSBrent
1747 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	ORUIZ Gabriel
1750 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	OROMERO Ennque
1751 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	PIERSCH Miriam
	X JEFFRIES AV
1800 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	LEEChong
	LEEChong
1804 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	0 SHRODEBlake
1805 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	DIXON Robert
	MATOSICTodd B
	REINARTPele
1808 EVEI	RGREEN
<u>Year</u>	<u>Uses</u>
2001	HOFAWGERJames
1809 EVEI	RGREEN
Year	Uses

2001

SWEETJune

<u>Source</u> Haines & Company, Inc.

<u>Source</u> Haines & Company, Inc.

<u>Source</u> Haines & Company, Inc.

# **Source** Haines & Company, Inc. Haines & Company, Inc.

Source Haines & Company, Inc. Haines & Company, Inc.

**Source** Haines & Company, Inc.

**Source** Haines & Company, Inc. Haines & Company, Inc. Haines & Company, Inc.

Source Haines & Company, Inc.

<u>Source</u> Haines & Company, Inc.

#### 1812 EVERGREEN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MARROQUIN Moises	Haines & Company, Inc.
	EVERGREEN 91505 CONT	Haines & Company, Inc.
1813 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BRUNOJohn	Haines & Company, Inc.
1816 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ISAGOAndrew	Haines & Company, Inc.
1817 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SYKESKnoyme	Haines & Company, Inc.
	KINGRodney	Haines & Company, Inc.
1820 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	STEADMANCL	Haines & Company, Inc.
1821 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	REELSEarl	Haines & Company, Inc.
1824 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1825 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KRUSE Maria	Haines & Company, Inc.
	CROWELLMichael	Haines & Company, Inc.
1830 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SHUMAKER E Eugene	Haines & Company, Inc.
1831 EVI	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OMEDINAPedro	Haines & Company, Inc.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CAMPBELLEBIly	Haines & Company, Inc.
1833 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KINGGarry	Haines & Company, Inc.
1836 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CARTER Elaine	Haines & Company, Inc.
1837 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SOGHOMONIANEdward	Haines & Company, Inc.
1841 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COSTANicolas	Haines & Company, Inc.
1844 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KLAWITTERMichael	Haines & Company, Inc.
1845 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BRAHMS Louis	Haines & Company, Inc.
1850 EV	ERGREEN	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
<u>EVERGI</u>	REEN CIR	
1722 EV	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Ayuso Lawrence	Pacific Bell
1742 EV	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Halamicek CAJr	Pacific Bell

#### 1746 EVERGREEN CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Skaggs Roy L	Pacific Bell
	Skahan N	Pacific Bell
1747 EVI	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Ruiz G	Pacific Bell
1801 EVI	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Seay D F	Pacific Bell
1832 EVI	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Giamalva Joe	Pacific Bell
1844 EVI	ERGREEN CIR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Klawitter B	Pacific Bell
EVERG	REEN ST	
1700 EVI	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ARMSTRONG ENGINEERING	Cole Information Services
2007	ARMSTRONG ENGINEERING INC	Cole Information Services
1710 EVI	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	PLAIN TRUTH MINISTRIES WORLDWIDE	Cole Information Services
2006	FILTRATION	Haines Company
	CONSTRUCTION INC ISLANDAIR	Haines Company
	FIBRWRAP	Haines Company
1720 EVI	ERGREEN ST	

# YearUsesSource2007FORTUNE PACIFIC INTERNATIONAL<br/>COCole Information Services2006INTL COHaines CompanyFORTUNE PACIFICHaines Company

#### **1730 EVERGREEN ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MICHAEL MEYERS INSURANCE SERVICES	Cole Information Servio
2007	GLUE CRAFT INC	Cole Information Servio
	AMERICAN ADHESIVES	Cole Information Servi
2006	AMERADHESIVES	Haines Company
1740 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BFCFORMS	Haines Company
	SERVICE	Haines Company
	INCORPORATED	Haines Company
1750 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MPK FOODS	Cole Information Servi
1760 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	Q SAFETY INC	Cole Information Servi
	Q INTEGRITY	Cole Information Servi

# 1770 EVERGREEN ST

<u>Year</u>	<u>Uses</u>
2012	GRANT PRODUCTS
2007	LIFESTYLE EXPONENTS USA INC

#### **1780 EVERGREEN ST**

<u>Year</u>	<u>Uses</u>
2012	SUNBEST TRANSPACIFIC
	POWER ADAPTER DEPOT INC
2007	POWER ADAPTER DEPOT
	HOME PAN DEVELOPMENT INC
	SUNBEST TRANSPACIFIC
2006	TRANSPACIFIC
	DEPOTINC SUNBEST
	POWERADAPTER

# 1804 EVERGREEN ST

<u>Year</u>	<u>Uses</u>
2006	TEAMTOO

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## Source

**Cole Information Services Cole Information Services** 

# <u>Source</u>

**Cole Information Services Cole Information Services Cole Information Services Cole Information Services Cole Information Services** Haines Company Haines Company Haines Company

# Source

Haines Company

## **1808 EVERGREEN ST**

2006

APPLE GRAPHICS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CONSTRUCTION CO	Haines Company
	HANAN	Haines Company
1816 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	STARKTUNING	Haines Company
1824 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	MARKENRICH	Haines Company
	CORPORATION	Haines Company
1836 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	APEXIMAGING	Haines Company
1840 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	NOTO PRODUCTION	Haines Company
1844 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	ORTEK	Haines Company
	ORTHODONTIC LAB	Haines Company
1848 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	CONNECTN	Haines Company
	COMM CONN	Haines Company
1850 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	Source
2006	SERAPLEX	Haines Company
	INCORPORATED	Haines Company
1858 EV	ERGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>

Haines Company

## 1860 EVERGREEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FEDERICOS	Haines Company
	BAKERY	Haines Company
EVERGI	REEN ST N	
1708 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	Source
1970	RANDELL GEO E	R. L. Polk & Co.
1709 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SANDIFER TIMOTHY A	R. L. Polk & Co.
1710 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ELLIS ELDON F	R. L. Polk & Co.
1711 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BROWNE BARBARA MRS	R. L. Polk & Co.
1714 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RENZ FREDK E	R. L. Polk & Co.
1715 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	FRODING WALDON S	R. L. Polk & Co.
1718 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	WEBER RALPH M	R. L. Polk & Co.
1719 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	NO RETURN	R. L. Polk & Co.
1722 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	AYUSO LAWRENCE	R. L. Polk & Co.

# 1723 EVERGREEN ST N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	GAFFNEY ROBT	R. L. Polk & Co.
1726 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SCHILLING MERRILL W	R. L. Polk & Co.
1727 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	STOCKS HARRY R	R. L. Polk & Co.
1730 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DUNHAM ROSS S	R. L. Polk & Co.
1731 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CARTER DONALD G	R. L. Polk & Co.
1734 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MATTHEWS MARTIN J	R. L. Polk & Co.
1735 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CARISTI STEVE	R. L. Polk & Co.
1738 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HARDY GEO A	R. L. Polk & Co.
1739 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SALEEN DOUGLAS	R. L. Polk & Co.
1742 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HALAMICEK C A	R. L. Polk & Co.
1743 EVI	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SHEFFER RUTH MRS	R. L. Polk & Co.

# 1746 EVERGREEN ST N

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	SKAGGS ROY L	R. L. Polk & Co.	
1747 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	LANGLOIS EDW F	R. L. Polk & Co.	
1750 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	VALERI CARL	R. L. Polk & Co.	
1751 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	PIERSCH RAYMOND W	R. L. Polk & Co.	
1800 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	COSTELLO ROBT J	R. L. Polk & Co.	
1801 EVI	1801 EVERGREEN ST N		
<u>Year</u>	<u>Uses</u>	Source	
1970	SEAY REX L	R. L. Polk & Co.	
1804 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	Source	
1970	MORTLOCK J EDW	R. L. Polk & Co.	
1805 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	Source	
1970	COX PRESTON C	R. L. Polk & Co.	
1808 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	Source	
1970	GRIZEL LEO F	R. L. Polk & Co.	
1809 EVERGREEN ST N			
<u>Year</u>	<u>Uses</u>	Source	
1970	SWEET PAUL H	R. L. Polk & Co.	
1813 EVI	ERGREEN ST N		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1970	REINEKING WILLARD H	R. L. Polk & Co.	

# 1816 EVERGREEN ST N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	FRANCE KEITH D	R. L. Polk & Co.
1817 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BENCE DOROTHY L MRS	R. L. Polk & Co.
1820 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	STEADMAN CARL L	R. L. Polk & Co.
1821 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	REELFS EARL L	R. L. Polk & Co.
1824 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HOUGHTON GERALD	R. L. Polk & Co.
1825 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	JOHNSON JOHN M	R. L. Polk & Co.
1830 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SHUMAKER EMIL E	R. L. Polk & Co.
1831 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	VACANT	R. L. Polk & Co.
1832 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	PROVENCE RICHD H	R. L. Polk & Co.
1833 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DE VITALE JOSEPH B	R. L. Polk & Co.
1836 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BENEDETTI RICK	R. L. Polk & Co.

1837	<b>EVERGREEN ST</b>	Ν

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MORGAN WM JR	R. L. Polk & Co.
1840 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BENTON JACK D	R. L. Polk & Co.
1841 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	COURON NORTON D	R. L. Polk & Co.
1844 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ZAPPIA MARCO N	R. L. Polk & Co.
1845 EV	ERGREEN ST N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HARRIS JACK	R. L. Polk & Co.
GLENFO	DRD AVE	
1502 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	KELLY ROBT E	Pacific Telephone
1957	KELLY ROBT E	Pacific Telephone
1503 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HOLLAND WM E	Pacific Telephone
1508 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	CARMONA EUGENIO DUARTE	Pacific Telephone
1957	CARMONA EUGENIO	Pacific Telephone
1509 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	SCHIPPER WM	Pacific Telephone

#### 1514 GLENFORD AVE

1999

1966

XXXX

SCHADT THELMA M

<u>Year</u>	<u>Uses</u>	<u>s</u>
1960	BARTKOWSKI EDWIN	P
1515 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1957	ANDERSON OMER H JR	P
1520 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1960	ROBISON STEVEN	P
1527 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1960	HOLMBERG R K	P
1957	HOLMBERG R K R	P
1950	HOLMBERG R K R DURATE	P
	HOLMBERG R K R DURATE	P
1532 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1960	CASKEY H T	P
1957	CASKEY H T	P
1533 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1957	STEWART GLORIA	P
1538 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1960	MARVIN CHAS L	P
1957	MARVIN CHAS L	P
1539 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
1966	FRISBIE RAYMOND H	P
1602 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>s</u>
2006	TANGONAN Carolina	н

<u>Source</u> Pacific Telephone

Source Pacific Telephone

Source Pacific Telephone

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Pacific Telephone Pacific Telephone Pacific Telephone Pacific Telephone

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<u>Source</u> Pacific Telephone

Source Haines Company Haines Company Pacific Telephone

	<u>Year</u>	<u>Uses</u>	<u>Source</u>
	1960	SCHADT THELMA M	Pacific Telephone
	1957	SCHADT THELMA M	Pacific Telephone
1	603 GLEI	NFORD AVE	
	<u>Year</u>	<u>Uses</u>	<u>Source</u>
	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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OSSORIOSantos	Haines Company
1999	OSSORIO Oscar	Haines Company
1966	WARD JOYCE	Pacific Telephone

# 1609 GLENFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a ROMERO Gilbert	Haines Company
1985	ROMERO GILBERT & PAM	Pacific Bell
1980	ROMERO GILBERT & PAM GLENFORD AVE DUARTE	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	HARMS TED& LORA	Pacific Bell

# **HIGHLAND**

#### 1800 HIGHLAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Facsimile Transmission Network Inc	Pacific Telephone
1967	Larsen David E advg	Pacific Telephone

#### 1825 HIGHLAND

<u>Year</u>	<u>Uses</u>
1929	MARTIN Millie M adj Diamond Lndy

# HIGHLAND ALY

#### 1800 HIGHLAND ALY

<u>Year</u>	<u>Uses</u>
1975	SOMERS MICHAEL MARGOLIN SOMERS KALLEN & TREMBLATT ATTYS

# <u>Source</u>

Los Angeles Directory Co.

# <u>Source</u>

Pacific Telephone

# HIGHLAND AVE

1344 HIGHLAND AVE
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<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2012	SOUTHWEST MECHANICAL INC	Cole Information Services	
2007	SERENGETTI MOTOR CAR CO	Cole Information Services	
1706 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1960	BATTS PEARL	Pacific Telephone	
1712 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1966	ROBERSON JOHN D	Pacific Telephone	
1718 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
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			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1975	CENDEJAS BEN	Pacific Telephone	
1765 HIGHLAND AVE			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1991	Dave Dave	Pacific Bell	
1766 HIGHLAND AVE			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	Betty Bolton Candy Inc Fredk J Smith sec	Los Angeles Directory Co.	

#### 1775 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Scholl Frederic B organist h	Los Angeles Di
	School F B organist r	Los Angeles Di
1800 HIG	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	PACIFIC SCIENTIFIC CO	Cole Informatio
2007	PACIFIC SCIENTIFIC HTL KINTECH DIVIS	Cole Informatio
	DANAHER MOTION	Cole Informatio
2006	PAC SCIENTIFIC CO	Haines Compa
1999	PAC SCIENTIFIC CO	Haines Compa
	PAC SCIENTIFIC CO	Haines Compa
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 Telepho
	B NAI B RITH RECORD	Pacific Telepho
1980	HTL INDUSTRIES INC AIRCRFT ACCESRS HIGHLAND AVE DUARTE	Pacific Telepho
1976	Samuelson John R	Pacific Telepho
1924	Kissin Rita writer r	Los Angeles Di
	Kissin Jennie wid Elias h	Los Angeles Di
1801 HIG	GHLAND AVE	

# 1

<u>Year</u>	<u>Uses</u>
2012	JOSHUA TREE IMPORTS
	GRAND VALUE INC
	QUEST DIAGNOSTICS

HAMLET PAPER CO LTD ENTERPRISES SAN GABRIEL INSULATION THERAPAK

2007 TRI STAR ELECTRONICS MENIE INC THE PEOPLE MOVERS INC

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Cole Information Services
Cole Information Services
Cole Information Services
Haines Company
Haines Company
Haines Company
Pacific Bell
Pacific Telephone
Pacific Telephone
Pacific Telephone
Pacific Telephone
Los Angeles Directory Co.
Los Angeles Directory Co.
<u>Source</u>

**Cole Information Services Cole Information Services** 

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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
	а	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 HIGI	HLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	BURNS Wm C h	Los Angeles Directory Co.
1803 HIGHLAND AVE		
Year	Uses	Source

1942 Tinsley La Vaughn

Los Angeles Directory Co.

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1929	La Gasse Simeon Malvina real est	Los Angeles Directory Co.	
	La Gasse Francis H	Los Angeles Directory Co.	
1804 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	CAMPBELL Bert atty r	Los Angeles Directory Co.	
1806 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	d Auray Jacques photo player h	Los Angeles Directory Co.	
1807 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	WEST Roland V h	Los Angeles Directory Co.	
1812 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
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			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	Afee H C h	Los Angeles Directory Co.	
1816 HIGHLAND AVE			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1924	Wroten Herman P acct U S Fidelity & Guaranty Co h	Los Angeles Directory Co.	
1822 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1976	Montgomery Juanita	Pacific Telephone	
1937	Peckham Roy slsmn	Los Angeles Directory Co.	
1824 HIGH	ILAND AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
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.	

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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**

<u>Year</u>	<u>Uses</u>	<u>S</u>
1942	Hillman Lillian bkpr B HP	Lo
1924	COSBY Sadie C Mrs mgr Gardner Institute of Flesh Reducing h	Lo
	SMITH Jenness clk r	Lo

#### **1828 HIGHLAND AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Kinsey Dorothy M student r	Los Ange
	Kinsey Adam S E mgr Metropolitan Life Ins Co h	Los Ange
1838 HIG	HLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>

1924 Canann Harry L slsmn h

#### 1840 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>

1924 Engels Wm mining h

Los Angeles Directory Co.
Los Angeles Directory Co.
Los Angeles Directory Co.
Los Angeles Directory Co.
Los Angeles Directory Co.

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Los Angeles Directory Co.

# <u>Source</u>

Los Angeles Directory Co.

1841 H	HIGHL	AND	AVE
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<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Griffin Lou student r	Los Angeles Directory Co.
1847 HIG	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Treherne Ernest auto mech h	Los Angeles Directory Co.
1850 HIG	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Sonntag Elizabeth r	Los Angeles Directory Co.
1851 HIG	SHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	LYON Frances H wid R S h	Los Angeles Directory Co.
	HIGGINS Margt C r	Los Angeles Directory Co.
1853 HIG	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	CHRISTENSEN A T mgr Daynes Beebe Music Co r	Los Angeles Directory Co.
HIGHLA	ND AVE N	
1750 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Wonder Liquor Store	Pacific Telephone & Telegraph Co.
1751 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Natl Lead Co factory stores Hollywood Branch	Pacific Telephone & Telegraph Co.
	N HighInd Natl Lead Co Hollywd Br	Pacific Telephone & Telegraph Co.
	N HighInd Dutch Boy Paint Stores factory stores Hollywood Branch	Pacific Telephone & Telegraph Co.
1753 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Perrys Theatrical Studios dancng	Pacific Telephone & Telegraph Co.

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#### 1754 HIGHLAND AVE N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Harrys Shell Serv	Pacific T
1755 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Airliner Cafe	Pacific T
1757 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Georges Geo & Sons antqs N HighInd Av Georges & Sons antiqs	Pacific T Pacific T
1759 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Hollywood Cosmetic Labs	Pacific T
1763 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Hollywd Print Shop	Pacific T
1765 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Marriott Beauty Salon	Pacific T
1767 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd U S Govt post office dept L A Post Office Sub Stations Station O	Pacific T
1771 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Barnaz Cleaners	Pacific T
	N HighInd Bar Naz CInrs	Pacific T
1773 HIG	BHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Stabers For Beauty	Pacific T
1775 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Bridal Lane	Pacific T
	N HighInd Accurate Tuxedo Rentals	Pacific T

# Felephone & Telegraph Co.

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# 1776 HIGHLAND AVE N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Writers Round Table Inc The	Pacific Telephone & Telegraph Co.
	N HighInd Dorothy Preble School of Charm & Modeling	Pacific Telephone & Telegraph Co.
	N HighInd Preble Dorothy Models	Pacific Telephone & Telegraph Co.
	N HighInd Dorothy Preble Models	Pacific Telephone & Telegraph Co.
	N HighInd Calif Models Assn	Pacific Telephone & Telegraph Co.
1777 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd	Pacific Telephone & Telegraph Co.
	Burke Mary Mrs r	Pacific Telephone & Telegraph Co.
	Roche Saville Mrs r	Pacific Telephone & Telegraph Co.
1779 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Green Clnrs & Dyers	Pacific Telephone & Telegraph Co.
	N HighInd Greene CInrs & Dyers	Pacific Telephone & Telegraph Co.
1781 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Bolton Betty cafe	Pacific Telephone & Telegraph Co.
1786 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Cottage Cafe	Pacific Telephone & Telegraph Co.
1787 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Standard Stations Inc Franklin & HghInd Sta	Pacific Telephone & Telegraph Co.
	N HighInd Petri Ray Auto Serv	Pacific Telephone & Telegraph Co.
1800 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Earle Adams hair salon	Pacific Telephone & Telegraph Co.
	N HighInd Adams Earle hair salon	Pacific Telephone & Telegraph Co.
1802 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Mellor Wendell J MD	Pacific Telephone & Telegraph Co.

#### 1803 HIGHLAND AVE N

<u>Year</u>	<u>Uses</u>	Source
1951	N HighInd Av Richards Ruby J r	Pacific Telephone & Telegraph Co.
	N HighInd Talman Harold L r	Pacific Telephone & Telegraph Co.
	N HighInd Av Hachtel Ardeth J r	Pacific Telephone & Telegraph Co.
	N HighInd Av Foco Joann r	Pacific Telephone & Telegraph Co.
	N HighInd Av Buczek Marie E r	Pacific Telephone & Telegraph Co.
	N HighInd Av ORear Edw P Rev r	Pacific Telephone & Telegraph Co.
804 HIGH	ILAND AVE N	

1951	N HighInd Velez P J Co exprtrs
	N HighInd Hollywd Creations exprtrs

#### 1805 HIGHLAND AVE N

<u>Uses</u>

<u>Year</u>

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Rogalla Elfryde r	Pacific Telephone & Telegraph C
	N HighInd Av Merrick Jay I r	Pacific Telephone & Telegraph C
	N HighInd Herman E Frances r	Pacific Telephone & Telegraph C

## **1806 HIGHLAND AVE N**

<u>Year</u> <u>Uses</u>

1951 N HighInd Grant Jas A Jr r

#### 1807 HIGHLAND AVE N

<u>Year</u>	<u>Uses</u>
1951	N HighInd Kidd Blanche Mrs r
	N HighInd Compish Elsie Mrs r
	N HighInd Av Bower Gerald G r

#### **1809 HIGHLAND AVE N**

<u>Year</u>	<u>Uses</u>
1951	N HighInd Av Townsend Ralph C
	N HighInd Av Crandall Bill

# 1810 HIGHLAND AVE N

<u>Year</u> <u>Uses</u> 1951 N HighInd Goldstein Irving B r

#### 1812 HIGHLAND AVE N

<u>Year</u>	<u>Uses</u>
1951	N HighInd Av Neely Suzanne S r

#### Source

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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# <u>Source</u>

Pacific Telephone & Telegraph Co.

#### Source

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co.

# <u>Source</u> Pacific Telephone & Telegraph Co.

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Jerow Lilian S r	Pacific Telephone & Telegraph Co.
1814 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Goldstein Joe r	Pacific Telephone & Telegraph Co.
1816 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Frith Films	Pacific Telephone & Telegraph Co.
1817 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Richfield Serv Stns	Pacific Telephone & Telegraph Co.
1818 HIGHLAND AVE N		
Year	Uses	Source
1951	N Highlad Av Dolin Robt & Associates	Pacific Telephone & Telegraph Co.
	private invstgtrs	
1822 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Felsette Jenny r	Pacific Telephone & Telegraph Co.
1824 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd	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 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Forrest David R r	Pacific Telephone & Telegraph Co.
	N HighInd Radio City Clnrs & Dyers	Pacific Telephone & Telegraph Co.
1840 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd General Petroleum Corp HighInd & FrankIn	Pacific Telephone & Telegraph Co.
#### **1841 HIGHLAND AVE N**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Nichols T P Auto Rentals of Hollywd	Pacific Telephone &
	N HighInd Av Russell A N Union Oil DIr	Pacific Telephone &
	N HighInd Call A Car System auto rentls	Pacific Telephone &
	N HighInd Auto Rentals of Hollywd	Pacific Telephone &
	N HighInd Ace Auto Rentals	Pacific Telephone &
1851 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Gross Wm F r	Pacific Telephone &
1853 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Atkinson Betty r	Pacific Telephone &
1857 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Rowekamp F A r	Pacific Telephone &
	N HighInd Av Homan Cuthbert r	Pacific Telephone &
	N HighInd Bibeau Raymond Geo r	Pacific Telephone &
	N HighInd Case Kathleen r	Pacific Telephone &
1861 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Gross Frances Ward Mrs r	Pacific Telephone &
	N HighInd Av Kunkle Roy N r	Pacific Telephone &
	N HighInd Av Bacon J Smith r	Pacific Telephone &
1863 HIG	HLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	N HighInd Av Lelean Vera r	Pacific Telephone &
1880 HIG	GHLAND AVE N	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WEALTH CODE	Haines & Company

Telegraph Co.

Telegraph Co. Telegraph Co. Telegraph Co. Telegraph Co.

Telegraph Co.

Telegraph Co.

Telegraph Co. Telegraph Co. Telegraph Co. Telegraph Co.

Telegraph Co. Telegraph Co. Telegraph Co.

Telegraph Co.

### HIGHLAND AVE S

1750 HIGHLAND AVE S			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1951	S HighInd Wotell M G r	Pacific Telephone & Telegraph Co.	
1751 HIGHLAND AVE S			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1951	S HighInd Av Shapiro Louis r	Pacific Telephone & Telegraph Co.	
1753 HIG	HLAND AVE S		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1951	S HighInd Brentnall Robt L r	Pacific Telephone & Telegraph Co.	
1754 HIG	HLAND AVE S		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1951	S HighInd Av Chanon Maurice L r	Pacific Telephone & Telegraph Co.	
1755 HIG	HLAND AVE S		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1951	S HighInd Silverberg David r	Pacific Telephone & Telegraph Co.	
1756 HIGHLAND AVE S			
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
<u>Year</u> 1951	<u>Uses</u> S HighInd Av Orisman I r	<u>Source</u> Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HIG</b>	<u>Uses</u> S HighInd Av Orisman I r <b>HLAND AVE S</b>	<u>Source</u> Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HiG</b> <u>Year</u>	<u>Uses</u> S HighInd Av Orisman I r SHLAND AVE S <u>Uses</u>	<u>Source</u> Pacific Telephone & Telegraph Co. <u>Source</u>	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951	<u>Uses</u> S HighInd Av Orisman I r SHLAND AVE S <u>Uses</u> S HighInd Perry Sidney M r	<i>Source</i> Pacific Telephone & Telegraph Co. <i>Source</i> Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951 <b>1759 HIG</b>	<u>Uses</u> S HighInd Av Orisman I r SHLAND AVE S <u>Uses</u> S HighInd Perry Sidney M r SHLAND AVE S	<i>Source</i> Pacific Telephone & Telegraph Co. <i>Source</i> Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951 <b>1759 HIG</b> <u>Year</u>	Uses S HighInd Av Orisman I r SHLAND AVE S Uses S HighInd Perry Sidney M r SHLAND AVE S Uses	Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co. Source	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951 <b>1759 HIG</b> <u>Year</u> 1951	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r	Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951 <b>1759 HIG</b> <u>Year</u> 1951 <b>1760 HIG</b>	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S	Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co.	
<u>Year</u> 1951 <b>1757 HIG</b> <u>Year</u> 1951 <b>1759 HIG</b> <u>Year</u> 1951 <b>1760 HIG</b> <u>Year</u>	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   Uses	Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co.	
Year 1951 1757 HIG Year 1951 1759 HIG Year 1951 1760 HIG Year 1951	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   SHLAND AVE S <td>Source   Pacific Telephone &amp; Telegraph Co.   Source Pacific Telephone &amp; Telegraph Co.   Source Pacific Telephone &amp; Telegraph Co.   Source Pacific Telephone &amp; Telegraph Co.   Pacific Telephone &amp; Telegraph Co. Pacific Telephone &amp; Telegraph Co.</td>	Source   Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.	
Year 1951 1757 HIG Year 1951 1759 HIG Year 1951 1760 HIG Year 1951	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   Uses   S HighInd Monahan Theresa r   SHLAND AVE S	Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co. Source Pacific Telephone & Telegraph Co.	
Year     1951     1757   HIG     Year     1951     1759   HIG     Year     1951     1759   HIG     Year     1951     1760   HIG     Year     1951     1765   HIG     Year	Uses   S HighInd Av Orisman I r   SHLAND AVE S   Uses   S HighInd Perry Sidney M r   SHLAND AVE S   Uses   S HighInd Stulberg Lillian r   SHLAND AVE S   Uses   S HighInd Monahan Theresa r   SHLAND AVE S   Uses   S HighInd Monahan Theresa r	Source   Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.   Source Pacific Telephone & Telegraph Co.	

#### 1800 HIGHLAND AVE S

<u>Year</u>	<u>Uses</u>
1951	S HighInd Marcus Thea Mrs r
1801 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Av Soifer Morris r
	S HighInd Av Feinstein Shirley
1803 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Av Jacobs Jack r
	S HighInd Av Haber Isadore r
1806 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Rodgers Geo A r
1807 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Meyers Ann r
1808 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Wilber Chas r
1810 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Viney Bettina r
1811 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Olsen Ole P r
1813 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Konitz Anna r
1816 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Tallian Gene J r
	S HighInd Small Frank C r

### <u>Source</u>

Pacific Telephone & Telegraph Co.

### **Source** Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u> Pacific Telephone & Telegraph Co.

**Source** Pacific Telephone & Telegraph Co.

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### <u>Source</u> Pacific Telephone & Telegraph Co.

<u>Source</u> Pacific Telephone & Telegraph Co.

<u>Source</u> Pacific Telephone & Telegraph Co.

**Source** Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

#### 1817 HIGHLAND AVE S

<u>Year</u>	<u>Uses</u>	
1951	S HighInd Heaney Frank r	
1818 HIGH	ILAND AVE S	
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Morgan Vera O Mrs r	
1819 HIGH	ILAND AVE S	
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Av Candreva Leonard r	
	S HighInd Stinson Margaret r	
1820 HIGH	ILAND AVE S	
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Kapelson Sam E r	
	S HighInd Caldwell Ora r	
1821 HIGH	ILAND AVE S	
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Erskine Richard W r	
	S HighInd Gillespie John K r	
1822 HIGH	ILAND AVE S	
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Ray Olga r	
1823 HIGHLAND AVE S		
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Erskine Melville C Mrs r	
1824 HIGHLAND AVE S		
<u>Year</u>	<u>Uses</u>	
1951	S HighInd Holzman Jos r	
	S HighInd	
	Poulson Joanna Mrs r	
1825 HIGH	ILAND AVE S	

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Av Aron David r	Pacific Telephon
	S HighInd Ringo Geo D r	Pacific Telephon

#### <u>Source</u>

Pacific Telephone & Telegraph Co.

### Source

Pacific Telephone & Telegraph Co.

### Source

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co.

### Source

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### Source

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#### **1826 HIGHLAND AVE S**

<u>Year</u>	<u>Uses</u>
1951	S HighInd Watterson Herbert G r
	S HighInd Hillman Lillian r
1827 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Av Sleiter Alice r
	S HighInd Elliott Ella Anne r
1829 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Cohen Henry S r
1833 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
1951	S HighInd Bonness Nicholas M r
	S HighInd Ferguson Vera M r
1835 HIGH	ILAND AVE S
<u>Year</u>	<u>Uses</u>
<u>Year</u> 1951	<u>Uses</u> S HighInd Cotten Willis S Mrs r
<u>Year</u> 1951	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r
<u>Year</u> 1951 <b>1837 HIGH</b>	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r I <b>LAND AVE S</b>
<u>Year</u> 1951 1837 HIGH <u>Year</u>	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r ILAND AVE S <u>Uses</u>
<u>Year</u> 1951 1 <b>837 HIGH</b> <u>Year</u> 1951	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r ILAND AVE S <u>Uses</u> S HighInd Terry Norman I r
<u>Year</u> 1951 1837 HIGH <u>Year</u> 1951 1838 HIGH	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r ILAND AVE S <u>Uses</u> S HighInd Terry Norman I r
<u>Year</u> 1951 1837 HIGH <u>Year</u> 1951 1838 HIGH <u>Year</u>	<u>Uses</u> S HighInd Cotten Willis S Mrs r S HighInd McDonald Jack r ILAND AVE S <u>Uses</u> S HighInd Terry Norman I r ILAND AVE S <u>Uses</u>
<u>Year</u> 1951 1837 HIGH <u>Year</u> 1951 1838 HIGH <u>Year</u> 1951	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Noe L E r
Year 1951 1837 HIGH Year 1951 1838 HIGH Year 1951 1839 HIGH	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S
Year 1951 1837 HIGH Year 1951 1838 HIGH Year 1951 1839 HIGH Year	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses
Year 1951 1837 HIGH Year 1951 1838 HIGH Year 1951 1839 HIGH Year 1951	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses   S HighInd Noe T F r
Year 1951 1837 HIGH <u>Year</u> 1951 1838 HIGH <u>Year</u> 1951 1839 HIGH <u>Year</u> 1951	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   LAND AVE S   Uses   S HighInd Terry Norman I r   LAND AVE S   Uses   S HighInd Noe L E r   LAND AVE S   Uses   S HighInd Noe L E r   LAND AVE S   Uses   S HighInd Stern H r   S HighInd Av Ramsey Allan W r
Year 1951 1837 HIGH Year 1951 1838 HIGH Year 1951 1839 HIGH Year 1951	Uses   S HighInd Cotten Willis S Mrs r   S HighInd McDonald Jack r   ILAND AVE S   Uses   S HighInd Terry Norman I r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses   S HighInd Noe L E r   ILAND AVE S   Uses   S HighInd Ave Ramsey Allan W r

1951 S HighInd Dorski Jos r

#### <u>Source</u>

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

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Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co.

### **Source** Pacific Telephone & Telegraph Co.

<u>Source</u> Pacific Telephone & Telegraph Co.

Pacific Telephone & Telegraph Co. Pacific Telephone & Telegraph Co.

### <u>Source</u>

Pacific Telephone & Telegraph Co.

1843 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Ferrante A P r	Pacific Telephone & Telegraph Co.
1846 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Brady Chas E r	Pacific Telephone & Telegraph Co.
1847 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Jablon Jacob r	Pacific Telephone & Telegraph Co.
1848 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Clairemont Leo r	Pacific Telephone & Telegraph Co.
1849 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Av Posner Sam Mrs r	Pacific Telephone & Telegraph Co.
1851 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Jones Sallie Y Mrs r	Pacific Telephone & Telegraph Co.
1853 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1951	S HighInd Want C H r	Pacific Telephone & Telegraph Co.
1860 HIG	HLAND AVE S	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WEALTH CODE	Haines & Company
<u>HIGHLA</u>	ND DR	
1800 HIG	HLAND DR	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	PETERSON DANOLD A TERMTE CONTRL	Pacific Telephone
	PETERSON DANOLD A TERMTE CONTRL	Pacific Telephone

### **S DENNING AVE**

#### 1533 S DENNING AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BOWSER CONRAD	Pacific Telephone
1957	BOWSER CONRAD	Pacific Telephone
<u>W DUAF</u>	RTE RD	
1550 W I	DUARTE RD	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Moorhead Robt &teri eov	Pacific Bell
	Moorhead Geo H Jr	Pacific Bell
1611 W I	DUARTE RD	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	LIEBERG LESLIE	Pacific Telephone
1646 W I	DUARTE RD	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	TINTINGER CHAS	Pacific Telephone
<u>W HIGH</u>	LAND AVE	
1800 W I	HIGHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	WARNE W D	Pacific Telephone
1841 W I	HIGHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	SHAFFNER GARLAND B	Pacific Telephone
1860 W I	HIGHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	MASON JANINE	Pacific Bell
1966	MASON HELEN	Pacific Telephone
	MASON GUY T	Pacific Telephone

#### 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

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

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

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

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

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	$\begin{array}{l} 2006,\ 2004,\ 2003,\ 2001,\ 2000,\ 1999,\ 1996,\ 1995,\ 1992,\ 1991,\ 1990,\ 1986,\ 1985,\ 1981,\ 1980,\ 1976,\ 1975,\ 1972,\ 1971,\ 1970,\ 1969,\ 1967,\ 1966,\ 1965,\ 1964,\ 1963,\ 1962,\ 1961,\ 1960,\ 1958,\ 1957,\ 1956,\ 1955,\ 1954,\ 1952,\ 1951,\ 1950,\ 1949,\ 1948,\ 1947,\ 1946,\ 1945,\ 1944,\ 1942,\ 1940,\ 1939,\ 1938,\ 1937,\ 1936,\ 1935,\ 1934,\ 1933,\ 1932,\ 1931,\ 1930,\ 1929,\ 1928,\ 1927,\ 1926,\ 1925,\ 1924,\ 1923,\ 1921,\ 1920 \end{array}$

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

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

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	$\begin{array}{l} 2012,\ 2007,\ 2006,\ 2004,\ 2003,\ 2000,\ 1999,\ 1996,\ 1995,\ 1992,\ 1991,\ 1990,\ 1986,\ 1985,\ 1981,\ 1980,\ 1976,\ 1975,\ 1972,\ 1971,\ 1970,\ 1969,\ 1967,\ 1966,\ 1965,\ 1964,\ 1963,\ 1962,\ 1961,\ 1960,\ 1958,\ 1957,\ 1956,\ 1955,\ 1954,\ 1952,\ 1951,\ 1950,\ 1949,\ 1948,\ 1947,\ 1946,\ 1945,\ 1944,\ 1942,\ 1940,\ 1939,\ 1938,\ 1937,\ 1936,\ 1935,\ 1924,\ 1923,\ 1921,\ 1920 \end{array}$

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

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

Address Researched	Address Not Identified in Research Source
1751 EVERGREEN ST N	$\begin{array}{l} 2012,\ 2007,\ 2006,\ 2004,\ 2003,\ 2001,\ 2000,\ 1999,\ 1996,\ 1995,\ 1992,\ 1991,\ 1990,\\ 1986,\ 1985,\ 1981,\ 1980,\ 1976,\ 1975,\ 1972,\ 1971,\ 1969,\ 1967,\ 1966,\ 1965,\ 1964,\\ 1963,\ 1962,\ 1961,\ 1960,\ 1958,\ 1957,\ 1956,\ 1955,\ 1954,\ 1952,\ 1951,\ 1950,\ 1949,\\ 1948,\ 1947,\ 1946,\ 1945,\ 1944,\ 1942,\ 1940,\ 1939,\ 1938,\ 1937,\ 1936,\ 1935,\ 1934,\\ 1933,\ 1932,\ 1931,\ 1930,\ 1929,\ 1928,\ 1927,\ 1926,\ 1925,\ 1924,\ 1923,\ 1921,\ 1920 \end{array}$
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Address Researched	Address Not Identified in Research Source
1837 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
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

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
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## **Duarte Station Specific Plan**

Multiple Addresses Duarte, CA 91010

Inquiry Number: 3599441.3 May 07, 2013

# **Certified Sanborn® Map Report**



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

#### **Certified Sanborn® Map Report**

# Site Name:<br/>Duarte Station Specific Plan<br/>Multiple Addresses<br/>Duarte, CA 91010Client Name:<br/>RBF Consulting<br/>14725 Alton Parkway<br/>Irvine, CA 92618Contact: Kristen BogueEDR Inquiry # 3599441.3Contact: Kristen Bogue

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Site Name:	Duarte Station Specific Plan
Address:	Multiple Addresses
City, State, Zip:	Duarte, CA 91010
Cross Street:	
P.O. #	130318
Project:	Hazards and Haz Mat Section
Certification #	0A3F-47D6-9844

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5/07/13

Sanborn® Library search results Certification # 0A3F-47D6-9844

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## **Duarte Station Specific Plan**

Multiple Addresses Duarte, CA 91010

Inquiry Number: 3599441.4 May 07, 2013

# **EDR Historical Topographic Map Report**



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

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	TARGET QUAD NAME: POMONA MAP YEAR: 1894 SERIES: 15 SCALE: 1:62500	SITE NAME: ADDRESS: LAT/LONG:	Duarte Station Specific Plan Multiple Addresses Duarte, CA 91010 34.1336 / -117.9687	CLIENT: CONTACT: INQUIRY#: RESEARCH	RBF Consulting Kristen Bogue 3599441.4 DATE: 05/07/2013
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<b>N</b>	TARGET QU NAME: MAP YEAR: SERIES:	IAD POMONA 1904 15	SITE NAME: ADDRESS: LAT/LONG:	Duarte Station Specific Plan Multiple Addresses Duarte, CA 91010 34.1336 / -117.9687	CLIENT: CONTACT: INQUIRY#: RESEARCH	RBF Consulting Kristen Bogue 3599441.4 DATE: 05/07/2013
	SERIES: SCALE:	15 1:62500	LAT/LONG:	34.1336 / -117.9687		



	TARGET QU	JAD	SITE NAME:	Duarte Station Specific	CLIENT:	RBF Consulting
N	NAME:	AZUSA		Plan	CONTACT:	Kristen Bogue
$\mathbf{A}$	MAP YEAR:	1939	ADDRESS:	Multiple Addresses	INQUIRY#:	3599441.4
				Duarte, CA 91010	RESEARCHI	DATE: 05/07/2013
•	SERIES:	6	LAT/LONG:	34.1336 / -117.9687		
	SCALE:	1:24000				



≯ z	TARGET QU NAME:	AD LOS ANGELES AND VICINITY EAST 3 OF 4	SITE NAME: ADDRESS:	Duarte Station Specific Plan Multiple Addresses	CLIENT: CONTACT: INQUIRY#:	RBF Consulting Kristen Bogue 3599441.4
	MAP YEAR:	1953		Duarte, CA 91010	RESEARCH	DATE: 05/07/2013
			LAT/LONG:	34.1336 / -117.9687		
	SERIES:	7.5				
	SCALE:	1:24000				



N   TARGET QUAD NAME:   SITE NAME:   Duarte Station Specific Plan   CLIENT:   RBF Consulting CONTACT:     N   MAP YEAR:   1953   ADDRESS:   Multiple Addresses Duarte, CA 91010   INQUIRY#:   3599441.4 RESEARCH DATE:   05/07/2013     SERIES:   7.5 SCALE:   1:24000   LAT/LONG:   34.1336 / -117.9687   RESEARCH DATE:   05/07/2013	



<b>№</b>	TARGET QU NAME: MAP YEAR:	AD AZUSA 1966 7 5	SITE NAME: ADDRESS:	Duarte Station Specific Plan Multiple Addresses Duarte, CA 91010 34 1336 / -117 9687	CLIENT: CONTACT: INQUIRY#: RESEARCH I	RBF Consulting Kristen Bogue 3599441.4 DATE: 05/07/2013
Ι	SERIES: SCALE:	7.5 1:24000	LAT/LONG:	34.1336 / -117.9687		



→ z	TARGET QUAD NAME: AZUS MAP YEAR: 1972 PHOTOREVISED I SERIES: 7.5	5A FROM :1966	SITE NAME: ADDRESS: LAT/LONG:	Duarte Station Specific Plan Multiple Addresses Duarte, CA 91010 34.1336 / -117.9687	CLIENT: CONTACT: INQUIRY#: RESEARCH I	RBF Consulting Kristen Bogue 3599441.4 DATE: 05/07/2013
	SERIES: 7.5 SCALE: 1:240	000	LAT/LONG:	34.13367-117.9687		



N	TARGET QU NAME: MAP YEAR:	AD AZUSA 1995	SITE NAME:	Duarte Station Specific Plan Multiple Addresses	CLIENT: CONTACT: INQUIRY#:	RBF Consulting Kristen Bogue 3599441.4
1	SERIES: SCALE:	1995 7.5 1:24000	ADDRESS:	Multiple Addresses Duarte, CA 91010 34.1336 / -117.9687	RESEARCH	3599441.4 DATE: 05/07/2013

## **Duarte Station Specific Plan**

Multiple Addresses Duarte, CA 91010

Inquiry Number: 3599441.5 May 10, 2013

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

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#### **Date EDR Searched Historical Sources:**

Aerial Photography May 10, 2013

#### **Target Property:**

Multiple Addresses

Duarte, CA 91010

<u>Year</u>	<u>Scale</u>	Details	<u>Source</u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	Fairchild
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





























# 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
То:	Aghakiant, Narine@DTSC
Subject:	General Electric Aviation - Focused Soil Investigation Report

Good Afternoon Narine,

I have reviewed the <u>East Dock Soil Investigation and Removal Report, 1700 Business Center Drive, Duarte, California,</u> 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



## 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

a

Michael Flaugher, P.G. No. 7626 Project Manager





Joan Delui

Joan Dolmat Project Geologist

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#### **ACRONYMS AND ABBREVIATIONS**

AST	Advanced Sewer Technology
BC <sup>2</sup>	BC <sup>2</sup> Environmental
COC	Chain-of-Custody
ft bgs	Feet Below Ground Surface
IDŴ	Investigation Derived Waste
mg/kg	Milligrams per Kilograms
MĎL	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
μ <b>g/kg</b>	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<sup>2</sup> Environmental (BC<sup>2</sup>), 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<sup>®</sup> 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.

#### <u>Metals</u>

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  $\mu g/kg.$

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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- USEPA, 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review. EPA540/R-99/008. Office of Emergency and Remedial Response U.S. Environmental Protection Agency. Washington, D.C.

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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

		SAMPLING PRO	GRAM			ANAL	YSIS	
Location	Field Sample ID	Collection Date	Media	Sample Depth (ft bgs)	Semi-Volatile Organic Compounds + TICs	Total Petroleum Hydrocarbons Carbon-Chain	Metals	Hexavalent Chromium
	SB-20-0.5	08/10/12	Soil	0.5 - 1.0	Х	Х	Х	Х
	SB-20-3	08/10/12	Soil	2.5 - 3.0	Х	Х	Х	Х
SB-20	DUP-2	08/10/12	Soil	3.0 - 3.5	Х	Х	Х	Х
	SB-20-5	08/10/12	Soil	4.5 - 5.0	Х	Х	Н	Н
	SB-20-10					-	-	
	SB-21-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х	Х	Х
	SB-21-3	08/09/12	Soil	2.5 - 3.0	Х	Х	Х	Х
SB-21	DUP-1	08/10/12	Soil	3.0 - 3.5	Х	Х	Х	Х
30-21	SB-21-5	08/10/12	Soil	4.5 - 5.0	Н	Н	Н	Н
	SB-21-10	08/10/12	Soil	9.5 -10.0	Н	Н	Н	Н
	SB-22-0.5	08/10/12	Soil	0.5 - 1.0	Х	Х	Х	Х
60.00	SB-22.3	08/10/12	Soil	2.5 - 3.0	Х	Х	Х	Х
5B-22	SB-22-5	08/10/12	Soil	4.5 - 5.0	Н	Н	Н	Н
	SB-22-10					-	-	
	SB-25-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
CD 25	SB-25-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
36-23	SB-25-5					-	-	•
	SB-25-10					-	-	
	SB-26-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
60 D6	SB-26-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
30-20	SB-26-5	08/10/12	Soil	4.5 -5.0	Н	Н		
	SB-26-10					-	-	
	SB-27-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
6D 07	SB-27-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
30-21	SB-27-5					-		
	SB-27-10					-		
	SB-28-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
68.20	SB-28-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
SB-28	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

											Conce	entrations (r	ng/kg) <sup>a</sup>							
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	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	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-21-0.5	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	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
3D-22	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
	Regio	nal Screen	ing Level <sup>b</sup> :	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
		Bac	ckground <sup>c</sup> :	0.16	12 <sup>d</sup>	576	0.68	0.32	67		11.6	13	13.2	0.10	30	0.015	0.28	0.38	85	92

Notes:

<sup>a</sup> Samples analyzed using U.S. Environmental Protection Agency (EPA) Methods 6010/7471A and for hexavalent chromium using EPA Method 7199.

<sup>b</sup> 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

<sup>c</sup>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

<sup>d</sup>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

													Concent	tration (µg	g/kg)									
				SV	OCs										TICs									
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	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- rimethoxy	Benzene, [(trifluoromethyl)sulfonyl]-	Docosane	Heptacosane	Tritetracontane
	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	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 SB-20-5	08/10/12	3.0 - 3.5	<360	<360	ND ND	970.000	ND ND	ND	ND ND	ND ND	44,000 ND	1,800,000		ND ND	ND ND	ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND
	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	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
00-22	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 2.000	ND	ND 8.100	ND	ND	ND	ND	ND	ND
SB-27	SD-27-0.5	08/09/12	0.5 - 1.0	-360 1.400 L	~360	<7.500 UJ	4,000	ND		ND	10,000	ND	2,900	ND		3,900	7,400	6,100		4,000	5 000			
	SB-28-0.5	08/09/12	2.3 - 3.0	<360	<360	<7,300 UJ ND	44 000	ND	ND	120.000	190,000 ND	ND	12,000 ND	ND	ND	ND	ND	0,700 ND	ND	1,300 ND	3,000 ND	ND	ND	ND
SB-28	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

					Concentrations (mg/kg) <sup>a</sup>	
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	C4-C12	C13-C22	C23-C40
	SB-20-0.5	08/10/12	0.5 - 1.0	<140	180	330
SB-20	SB-20-3	08/10/12	2.5 - 3.0	230 J	13,000	<1,000
00 20	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-21-0.5	08/09/12	0.5 - 1.0	<140	900	630
SB-21	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
00-22	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
30-23	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
00-20	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
00-27	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
00-20	SB-28-3	08/09/12	2.5 - 3.0	<150	610	170
		Soil S	creening Level <sup>b</sup> :	500 (Gasoline Range)	1,000 (Diesel Range)	10,000 (Motor Oil Range)

Notes:

 $^{\rm a}$  Samples analyzed using U.S. Environmental Protection Agency Method 8015M

<sup>b</sup> 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









APPENDIX A

**BORING LOGS** 

	) N	ЛV	Vŀ	-		Drilling Log Soil Boring SB-20	
Project Location Surface El Casing Sti	<u>GE Avia</u> <u>1700</u> lev. <u>N</u> ickup	ation Busines VA NA	ss Cen	<i>ter Ave,</i> Total De	Duarte	Owner     GE       e, CA     Project Number     10501103       6.5 ft     Borehole Diameter     8.0 in     North     NA	entonite
Screen: D Casing: Di Drill Co. Driller <u>S</u> Start Date	iameter BC² Er Sergio F 8/10/	r <u>NA</u> NA nvironm Perez 2012	nental	Length Length	NA NA Driller	Type/Size         NA           Type         NA           Drilling Method         Limited Access Hollow-Stem Auger           C-57 #         969758           Log By         J. Dolmat           tion Date         8/10/2012           Checked By         M. Flaugher, P.G.	
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -	1.3	<u>SB-20-</u> <u>0.5</u> 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, some pea gravel (fill).	
	8.1 3.2	<u>SB-20-</u> <u>3</u> 100% <u>SB-20-</u> <u>5</u> 100%			SP SM GP	SAND w/silt and gravel, dark greyish brown (2.5Y 4/2), dry, fine to coarse sand, gravel up to 3", subrounded to round. GRAVEL/COBBLES w/sand, dry, fine sand, trace medium and coarse sand.`	
						Refusal at 6.5'.	
- 10 -   - 12 - 							
- 14 -   - 16 -							
- 18 -  - 20 -							
22 -							

	A L	νN	Vŀ	-		Drilling Log Soil Boring SB-21	
						Page: 1 of 1	
Project	GE Av	iation				Owner <u>GE</u> Backfilled with cement/b	entonite
Location	n <u>1700</u>	Busine	ss Cer	iter Ave,	Duarte	Project Number 10501103 grout.	
Casing	Stickup	NA NA		Total De	ptn	10.0 ft Borenole Diameter 8.0 in North NA	
Screen	Diamete	er NA		vvater Le			
Cosing	Diamoto	r MA		Length			
		nviropn	nontal	Lengui	NA	Drilling Method / imited Access Hollow-Stem Auger	
Driller	Seraio I	Doroz	iciilai		Drillor	C-57 # 969758 Log By / Dolmat	
Start D	ote 8/0/2	012			`omple	tion Date $8/10/2012$ Checked By M Elevaber P.G.	
				、	Joinpie		
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0	2.1	<u>SB-21-</u> 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	<u>SB-21-</u> <u>3</u>				SAND w/silt and gravel, very dark grevish brown (10YR 3/2), dry,	-
F		100%				predominantly coarse with few fine and medium graines, subrounded gravel	
- 4		SB-21-				up to 2.5".	
F	2.8	<u>5</u> 100%			SP		
	-	10070			SM		
F	_					At 6 El increace in gravel content	
	_					At 0.5, increase in graver content.	
- 8	_					GRAVEL w/sand very dark gravish brown (10VR 3/2) dry very dense fine	
È	_			$^{\circ}$	GP	to coarse sand, little silt, difficult drilling.	
+	1.1	<u>SB-21-</u> 10	41   40⊠	$\frac{1}{2}$	0.		
<u>⊢</u> 10		100%	37			End of boring = 10'.	-
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	л (	ЛЛ	Vŀ	-		Drilling Log Soil Boring SB-22	
Project	GE Avi	ation		-		Page: 1 of 1 Owner GE COMMENTS	
Location	1700	Busine	ss Cer	ter Ave,	Duarte	e, CA Project Number 10501103 Backfilled with cement/be	entonite
Surface	Elev. /	VA		Total De	pth	7.0 ft Borehole Diameter 8.0 in North NA	
Casing S	Stickup	NA		Water L	evel In	itial <u>VNot Encountered</u> East <u>NA</u>	
Screen:	Diamete	r <u>NA</u>		Length	NA	Type/Size <u>NA</u>	
Casing: I	Diamete	r <u>N</u> A		Length	NA	Туре _ NA	
Drill Co.	BC <sup>2</sup> E	nvironn	nental			Drilling Method Limited Access Hollow-Stem Auger	
Driller _	Sergio F	Perez			Driller	C-57 # <u>969758</u> Log By <u>J. Dolmat</u>	
Start Dat	te <u>8/10/</u>	2012		(	Comple	tion Date <u>8/10/2012</u> Checked By <u>M. Flaugher, P</u> .G.	
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
				~~~~~			
	1.8	<u>SB-22-</u> 0.5				Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, predominantly fine grained, subangular pea gravel (fill).	
		100%			SM		
- 2 -	_	<u>SB-22-</u>					
-	2.8	<u>3</u> 100%				SAND w/gravel, very dark grevish brown (10YR 3/2), dry, gravel is fine to	
- 4 -	_					coarse, subrounded, up to 3".	
	4.0	<u>58-22-</u>			SP		
-		100%					
- 6 -	_			000	GP	GRAVEL and COBBLES w/silt, very dark greyish brown (10YR 3/2), dry,	-
				200		Refusal at 7'	
- 8 -	_						
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	) N	ЛV	Vŀ	-		Drilling Log Soil Boring SB-25	
Project _ Location	GE Avia 1700	ation Busine:	ss Cen	– nter Ave,	Duarte	Owner     GE     COMMENTS       a, CA     Project Number 10501103     Backfilled with cement/begrout.	entonite
Surface E	lev. /	VA		Total De	pth	3.5 ft Borehole Diameter North NA	
Casing St	tickup	NA		Water Lo	evel In	tial <u>V</u> Not Encountered East <u>NA</u>	
Screen: L	Jamete	r <u>/v</u> A		Length	NA	Type/Size <u>NA</u>	
Casing: D	)iameter	r <u>NA</u>		Length	NA	Type <u>NA</u>	
Drill Co.	BC <sup>2</sup> E	nvironn	nental		Duillen	Drilling Method <u>Hand Auger</u>	
Stort Dot	sergio F	erez			Driller	C-5/ # <u>969/38</u> Log By <u>J. Dolmat</u>	
	3_0/9/2	012		(		tion Date <u>0/9/2012</u> Checked by <u>M. Flaugher, F</u> .G.	-
Depth (ft)	(mqq) CIA	Sample ID % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
	0.1	<u>SB-25-</u> 0.5		P A P P		Concrete.	
	0.1	100%			SP	sand, few gravel.	
- 2 -		SB-25-			SM		
	0.0	<u>3</u> 100%				CDAV/EL and CODDLES w/cand van/ day/ graviak krown (10VD 2/0) day	-
		10070			GP	$\bigcirc$ GRAVEL and COBBLES wisand, very dark greyish brown (10YR 3/2), dry, $\bigcirc$ cobbles up to 10".	
						Refusal at 3.5'.	
- 6 -							
-							
- 8 -							
E -							
- 10 -							
ı⊢ 12 –							
- 14 -							
[ 16 −							
10							
5 <b>10</b> -							
- 20 -							
SF 22 -	1						
24 -							

	Ν.					Drilling Log	
Gi	り r	VI V	VF			Soil Boring SB-26 Page: 1 of 1	
Project	GE Avi	iation				Owner <u>GE</u>	antonito
Location	1 <i>700</i> ו	Busines	ss Cen	ter Ave,	Duarte	e, CA Project Number <u>10501103</u> grout.	entonite
Surface	Elev. <u>/</u> Stickup	NA NA		Total De	pth	6.0 ft Borehole Diameter 8.0 in North NA	
Screen:	Diamete	r NA		I ength	NA	Type/Size NA	
Casing:	Diamete	r <i>NA</i>		Length	NA		
Drill Co.	BC <sup>2</sup> E	nvironm	nental			Drilling Method Limited Access Hollow-Stem Auger	
Driller	Sergio F	Perez			Driller	C-57 # <u>969758</u> Log By <u>J. Dolmat</u>	
Start Da	ate <u>8/9/2</u>	2012		C	Comple	tion Date <u>8/10/2012</u> Checked By <u>M. Flaugher, P</u> .G.	
Depth (ft)	(mdd)	Sample ID % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -		SB-26-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Concrete.	
F	1.7	<u>0.5</u> 100%			ML	Sandy SILT w/gravel, dark brown (7.5YR 3/2).	
2	_	SB-26-				medium sand, few coarse grains, coarse subrounded gravel, some cobbles	
-	0.0	$\frac{3}{100\%}$			SP SM	up to 11".	
4	-						
E	0.0	<u>SB-26-</u>				GRAVEL w/sand, brown (10YR 5/3), dry, coarse subrounded gravel, sand is	
L G	-	100%			GP	fine to coarse, cobbles up to 11".	
	-					Refusal at 6'.	
F	-						
- 8	-						
-	-						
- 10 ·	-						
F	_						
<u>-</u> 12 ⋅	-						
	-						
- 14	-						
F	-						
	-						
	-						
- 18	_						
	-						
	-						
- 20 ·	-						
	-						
≦⊢ 22 ·	-						
	-						
- 24	-						

Drilling Log       Soil Boring       SB-27         Page: 1 of 1       Page: 1 of 1												
Project	GE AVI	ation		tor Ava	Duart	Owner <u>GE</u> Backfilled with cement/be	entonite					
Surface	 Elev /	DUSITIE	ss Cerr	Total De	Duar le	4.0 ft Borebole Diameter 4.0 in North NA						
Casing S	tickup	NA		Waterla	ovel In							
Screen: I	Diamete	r <i>NA</i>		l enath	NA	Type/Size NA						
Casing: [	Diamete	r NA		Length	NA							
Drill Co.	BC² E	nvironn	nental	0		Drilling Method Hand Auger						
Driller	Sergio F	Perez			Driller	C-57 # _969758 Log By _J. Dolmat						
Start Dat	e <u>8/9/2</u>	012		(	Comple	tion Date <u>8/9/2012</u> Checked By <u>M. Flaugher, P</u> .G.						
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment					
- 0 -		00.07		10-10-14		Congrete						
	3.5	<u>0.5</u>		य व व		Silty SAND w/gravel, brown (10YR 4/3), dry, fine to coarse sand,						
	-	100%			SM	predominantly fine, coarse subrounded gravel up to 3".						
- 2 -	27	<u>SB-27-</u>										
E :	3.7	<u>3</u> 100%		ЪŶÛ		GRAVEL w/sand, dark grevish brown (2.5Y 4/2), coarse gravel up to 3",						
- 4 -	-			$^{\circ}$	GF	cobbles up to 7".						
						Refusal at 4°.						
	-											
6 -												
	-											
- 8 -	_											
	-											
- 10 -												
	-											
- 12 -												
;- ·	-											
14 -	1											
E -												
- 16 -	-											
	1											
	-											
i - 18 -	-											
	-											
- 20 -	-											
	1											
	-											
SF 22 -	-											
- 24 -	-											

Drilling Log							
Page: 1 of 1							
Project	GE Avi	Owner <u>GE</u> COMMENTS	COMMENTS				
Location       1700 Business Center Ave, Duarte, CA       Project Number       10501103       Backing dwin cemen/bentoning							
Surface Elev. <u>NA</u> Total Depth <u>3.5 ft</u> Borehole Diameter <u>NA</u> North <u>NA</u>							
Screen: Diameter NA Length A/A							
Casing	Cooling: Diameter Ald Length MA Type/Size MA						
Drill Co BC <sup>2</sup> Environmental Drilling Method Hand Auger							
Driller	Driller Sergio Perez Driller C-57 # 969758 Log By J. Dolmat						
Start Date <u>8/9/2012</u> Completion Date <u>8/9/2012</u> Checked By <u>M. Flaugher, P.G.</u>							
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
_ 0 _							
- ·	0.0	<u>SB-28-</u> 0.5		P 6 9 P		Concrete. Silty SAND w/graveL dark grevish brown (10YR 4/2), dry, fine to medium	
- ·	_	100%			SM	sand, trace coarse sand, gravel up to 2".	
2 -		<u>SB-28-</u>	N		Civi		
	0.0	<u>3</u> 100%		<u>ک</u> ل	GP	GRAVEL w/sand, dark grevish brown (2.5Y 4/2), dry, fine to coarse	
- 4 -	_					subrounded gravel up to 3", cobbles up to 10".	
						Refusal at 3.5.	
-	_						
- 8 -	-						
	_						
	-						
<u>-</u> 12 −							
- ·	-						
- 14 -	-						
	-						
2 - 16 - 5 -	-						
- 18 -	-						
	1						
- 20 -							
	-						
22 -	-						
	-						
- 24 -	-						

APPENDIX B

DATA ADEQUACY EVALUATION REPORT
## M E M O R A N D U M



To: Michael Flaugher – PAS
From: Sarah Von Raesfeld – WCK
Report Reference: TestAmerica Laboratories Inc.
SDGs 440-19898-1 and 440-20036-1

## **Data Validation Report**

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

#### September 17, 2012

- 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-

GE Duarte, California

September 17, 2012

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

#### Page 1 of 2

Sample	Laboratory								
Identification	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

#### Page 2 of 2

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flaq	Bias	Comment
	440 20026 14	Watar		4 Promonhonyl nhonyl other	< 2.0	ua/I		Low	
ED-001012	440-20030-14	valer	EFA 02/00	4-biomophenyi phenyi ether	× 2.9	µg/∟	05	LOW	LU3/LU3D %R < LUL
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



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

Joth Boular

Authorized for release by: 8/23/2012 3:14:28 PM

Jonathan Bousselaire Project Manager I jonathan.bousselaire@testamericainc.com

results through Total Access Have a Question? Ask-The Expert

Visit us at: www.testamericainc.com

LINKS

**Review your project** 

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative	4
Client Sample Results	6
Chronicle	25
QC Sample Results	28
QC Association	45
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Certification Summary	49
Chain of Custody	50
Receipt Checklists	51

#### Sample Summary

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Water

Client: MWH Americas Inc Project/Site: GE duarte

**Client Sample ID** 

SB-27-0.5

SB-27-3

SB-28-3

SB-28-0.5

SB-25-0.5

SB-26-0.5

SB-26-3

SB-25-3

EB-080912

Lab Sample ID

440-19898-1

440-19898-2

440-19898-3

440-19898-4

440-19898-5

440-19898-6

440-19898-7

440-19898-8

440-19898-9

TestAmerica Job ID: 440-19898-1

Collected

08/09/12 09:58

08/09/12 10:23

08/09/12 10:48

08/09/12 11:02

08/09/12 11:22

08/09/12 11:38

08/09/12 12:02

08/09/12 12:24

08/09/12 15:30

2	
3	}
5	
8	
9	

Received	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	

TestAmerica Irvine 8/23/2012

#### 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 1.2° 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.

# 2 3 4 5 6 7 8 9

#### 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 Sample ID: SB-27-0.5

Date Collected: 08/09/12 09:58 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile C Analyte	Drganic Compou Result	nds (GC/MS 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	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

Lab Sample ID: 440-19898-1

Matrix: Solid

1300

1300

1300

1300

MDL Unit

280 ug/Kg

280 ug/Kg

280 ug/Kg

360 ug/Kg D

Prepared

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

#### Client Sample ID: SB-27-0.5 Date Collected: 08/09/12 09:58

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

ND

Date Received: 08/09/12 18:05

Analyte

Fluorene

Di-n-octyl phthalate

Hexachlorobenzene

Fluoranthene

#### Lab Sample ID: 440-19898-1 Matrix: Solid

Analyzed

08/13/12 05:55

08/13/12 05:55

08/13/12 05:55

08/13/12 05:55

5

Dil Fac

2

2

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	TJN	ug/Kg		2	.97	123-42-2	08/10/12 08:51	08/13/12 05:55	2
Tributyl phosphate	4800	TJN	ug/Kg		7	.88	126-73-8	08/10/12 08:51	08/13/12 05:55	2
4-(Trifluoromethyl)mandelic acid	10000	TJN	ug/Kg		8	.74	395-35-7	08/10/12 08:51	08/13/12 05:55	2
Diphenyl phosphate	2900	TJN	ug/Kg		9	.55	838-85-7	08/10/12 08:51	08/13/12 05:55	2
1-Octadecene	3900	TJN	ug/Kg		11	.21	112-88-9	08/10/12 08:51	08/13/12 05:55	2
Nonadecane, 9-methyl-	7400	TJN	ug/Kg		11	.31	13287-24-6	08/10/12 08:51	08/13/12 05:55	2
Octadecane	8100	TJN	ug/Kg		11	.56	593-45-3	08/10/12 08:51	08/13/12 05:55	2
9-Chloro-4,5-dihydro-4-	4600	TJN	ug/Kg		11	.60	1000212-48-	08/10/12 08:51	08/13/12 05:55	2
[3,4,5-trimethoxy							1			
Benzene, [(trifluoromethyl)sulfonyl]-	14000	TJN	ug/Kg		11	.85	426-58-4	08/10/12 08:51	08/13/12 05:55	2
Eicosane	15000	TJN	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 - (G	C)								
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 Or	ganics (DRO)	(GC)								
Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	380		10		7.0	mg/Kg	1	08/15/12 09:03	08/17/12 10:49	1
C23-C40	360		10		7.0	mg/Kg	3	08/15/12 09:03	08/17/12 10:49	1

#### Client Sample ID: SB-27-0.5

Date Collected: 08/09/12 09:58 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 Sam	ple ID: 440-1	9898-2
Date Collected: 08/09/12 10:23								Matri	x: Solid
Date Received: 08/09/12 18:05									
Method: 8270C - Semivolatile Or	rganic Compou	nds (GC/MS	5)						
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	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Azobenzene) 1.3-Dichlorobenzene			2600	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	
1,3-Dichlorobenzene			2000	520	ug/Kg		08/10/12 08:51	08/13/12 00:10	4
			2000	1000	ug/Kg		08/10/12 08:51	08/13/12 00:10	4
2,4,5-memorophenol			2000	1000	ug/Kg		08/10/12 08:51	08/12/12 06:16	4 1
2,4,6- Inchiorophenoi	ND		2600	000	ug/Kg		08/10/12 08:51	00/13/12 00:10	4
2,4-Dichlorophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
			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-ethylhexvl) phthalate	1400	J	2600	720	ug/Ka		08/10/12 08:51	08/13/12 06:16	4

Lab Sample ID: 440-19898-1

Matrix: Solid

TestAmerica Irvine 8/23/2012

2600

2600

MDL Unit

640 ug/Kg

600 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Chrysene

Butyl benzyl phthalate

#### Client Sample ID: SB-27-3 Date Collected: 08/09/12 10:23 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

#### Lab Sample ID: 440-19898-2 Matrix: Solid

Analyzed

08/13/12 06:16

08/13/12 06:16

5

Dil Fac

4

GRO (C4-C12)	ND		380		140	ua/Ka			08/13/12 18:05	1
Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
 Method: 8015B - Gasoline Rang	e Organics - (G	C)								
Phenol-d6 (Surr)	71		35 - 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
Nitrobenzene-d5 (Surr)	62		30 - 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
2-Fluorophenol (Surr)	64		25 - 120					08/10/12 08:51	08/13/12 06:16	4
	68		35 - 120					08/10/12 08:51	08/13/12 06:16	4
Surrogate	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Qualifier		-				Prepared	Analyzed	DII Fac
	20000									
-5-ethyl Eicosane	25000	TJN	ua/Ka		11	.86	112-95-8	08/10/12 08:51	08/13/12 06:16	4
3-Acetyl-1-(3,4-dimethoxyphenyl)	5000	TJN	ug/Kg		11	.56	90140-65-1	08/10/12 08:51	08/13/12 06:16	4
Ficosane	13000	TJN	ua/Ka		11	51	112-95-8	08/10/12 08:51	08/13/12 06:16	4
Eicosane	6700	TJN	uq/Ka		11	.27	112-95-8	08/10/12 08:51	08/13/12 06:16	4
1-Eicosene	7100	TJN	ug/Ka		11	.17	3452-7-1	08/10/12 08:51	08/13/12 06:16	4
Diphenyl phosphate	55000	TJN	ug/Ka		9	.53	0 838-85-7	08/10/12 08:51	08/13/12 06:16	4
6,10,13-Trimethyltetradecanol	12000	TJN	ug/Kg		9	.32	1000131-71-	08/10/12 08:51	08/13/12 06:16	4
2,3,4,5-Tetrafluorobenzonitrile	190000	TJN	ug/Kg		8	.74	16582-93-7	08/10/12 08:51	08/13/12 06:16	4
Tributyl phosphate	88000	TJN	ug/Kg		7	.87	126-73-8	08/10/12 08:51	08/13/12 06:16	4
2-Pentanone, 4-hydroxy-4-methyl-	7500	TJN	ug/Kg		2	.97	123-42-2		08/13/12 06:16	4
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		2600		480	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
Phenol	6700		2600	1	720	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
Pentachlorophenol	ND		6600		1200	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
N-Nitrosodi-n-propylamine	ND		2000	)	560	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
Naphthalene	ND		2600	)	480	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
Indeno[1,2,3-cd]pyrene	ND		2600		1000	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
Hexachlorocyclopentadiene	ND		6600	1	720	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
Hexachlorobenzene	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
Fluoranthene	ND		2600		560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-octvl phthalate	ND		2600	1	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	4
Di-n-butyl phthalate	ND		2600	)	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	4
Dimethyl phthalate	ND		2600		520	ua/Ka		08/10/12 08:51	08/13/12 06:16	<u>-</u> _
Diethyl phthalate	ND		2600		760	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
Dibenz(a,h)anthracene	ND		3400		800	ua/Ka		08/10/12 08:51	08/13/12 06:16	4

#### Client Sample ID: SB-27-3 Date Collected: 08/09/12 10:23

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 Rang	ge 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

Date Collected: 08/09/12 10:48

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Org	ganic Compou	nds (GC/MS)	DI	MDI	11		Dremered	Analyzad	
	- Kesult	Quaimer		MDL		D			
	ND		3300	500	ug/Kg		00/10/12 00:51	00/13/12 00:37	5
	ND		3300	000	ug/Kg		00/10/12 00:51	00/13/12 00:37	5
1,2-Diphenylhydrazine(as	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Azobenzene) 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

Lab Sample ID: 440-19898-2

Matrix: Solid

Lab Sample ID: 440-19898-3 Matrix: Solid

3300

3300

MDL Unit

500 ug/Kg

1100 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

#### Client Sample ID: SB-28-0.5 Date Collected: 08/09/12 10:48 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

#### Lab Sample ID: 440-19898-3 Matrix: Solid

Analyzed

08/13/12 06:37

08/13/12 06:37

Dil Fac

5

5

10

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	TJN	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-tria	120000	TJN	ug/Kg		8.	.73	66921-14-0	08/10/12 08:51	08/13/12 06:37	5
zol Diphonyl phoophoto	22000		ualka		0	52	020 05 7	09/10/12 09-51	00/12/12 06:27	5
Diprienyi prospriate	33000	I J IN	ug/ng		9.	.53	030-00-7	06/10/12 06.51	00/13/12 00.37	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 - (G	C)								
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

Date Collected: 08/09/12 10:48 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 Rang	e 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

Date Collected: 08/09/12 11:02

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Org	janic Compou	nds (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	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Azobenzene) 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

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-3

Matrix: Solid

Lab Sample ID: 440-19898-4 Matrix: Solid

MDL Unit

D

Prepared

Analyte

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

#### **Client Sample ID: SB-28-3** Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

#### Lab Sample ID: 440-19898-4 Matrix: Solid

Analyzed

5

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	ua/Ka		08/10/12 08:51	08/13/12 06:58	5
Pvrene	ND		3300	 )	800	ua/Ka		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	Analvzed	Dil Fac
2-Pentanone, 4-hydroxv-4-methyl-	7100	TJN	ug/Ka		2	.97	123-42-2	08/10/12 08:51	08/13/12 06:58	5
Tributyl phosphate	130000	TJN	ua/Ka		7	.87	126-73-8	08/10/12 08:51	08/13/12 06:58	5
2.3.4.5-Tetrafluorobenzonitrile	280000	TJN	ua/Ka		8	.75	16582-93-7	08/10/12 08:51	08/13/12 06:58	5
2.4-Hexadienedioic acid	16000	TJN	ua/Ka		9	.32	505-70-4	08/10/12 08:51	08/13/12 06:58	5
Diphenyl phosphate	110000	TJN	ua/Ka		9	.54	838-85-7	08/10/12 08:51	08/13/12 06:58	5
Propanenitrile 2-chloro-3-	7200	T.IN	ua/Ka		11	77	1424-50-6	08/10/12 08:51	08/13/12 06:58	5
(phenylsulfon			ug, i ig					00,10,12,00001	00.10.12.00.00	C C
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

08/13/12 06:58

08/13/12 06:58

08/13/12 06:58

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

5

5

5

30 - 120

40 - 135

35 - 120

61

92

#### Client Sample ID: SB-28-3

Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

Method: 8015B - Gasoline Rai	nge Organics - (G	<b>C</b> )							
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	e 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

#### Date Collected: 08/09/12 11:22

2-Nitroaniline

2-Nitrophenol

3-Nitroaniline

4-Chloroaniline

4-Nitroaniline

4-Nitrophenol

Acenaphthene

Aniline

Anthracene

Acenaphthylene

3,3'-Dichlorobenzidine

4,6-Dinitro-2-methylphenol

4-Chloro-3-methylphenol

4-Bromophenyl phenyl ether

4-Chlorophenyl phenyl ether

3-Methylphenol + 4-Methylphenol

Date Received: 08/09/12 18:05	ceived: 08/09/12 18:05							Wati	x. 3011u
Method: 8270C - Semivolatile	Organic Compou	nds (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	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5
Azobenzene)									
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

3300

3300

8300

3300

4200

3300

3300

3300

3300

3300

8300

8300

3300

3300

4200

3300

600 ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

600 ug/Kg

800 ug/Kg

600

1500

750 ug/Kg

1100

750 ug/Kg

700 ug/Kg

1200

850 ug/Kg

800 ug/Kg

900

1400

700 ug/Kg

850

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

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08/13/12 07:19

08/13/12 07:19

08/13/12 07:19

08/13/12 07:19

08/13/12 07:19

ND

TestAmerica Job ID: 440-19898-1

#### Lab Sample ID: 440-19898-4 Matrix: Solid

5

5 5

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5 5

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5 5

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5

MDL Unit

D

Prepared

Analyte

#### Client Sample ID: SB-25-0.5 Date Collected: 08/09/12 11:22 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

#### Lab Sample ID: 440-19898-5 Matrix: Solid

Analyzed

5

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	TJN	ug/Kg		2	.97	123-42-2	08/10/12 08:51	08/13/12 07:19	5
Tributyl phosphate	4200	TJN	ug/Kg		7.	.88	126-73-8	08/10/12 08:51	08/13/12 07:19	5
4-(Trifluoromethyl)mandelic acid	13000	TJN	ug/Kg		8	.73	395-35-7	08/10/12 08:51	08/13/12 07:19	5
Diphenyl phosphate	3100	TJN	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

Method: 8015B - Gasoline Ra	nge Organics - (G	C)							
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	e 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

1.2.4-Trichkorobenzene         ND         330         50         ug/kg         08/10/12 08:51         08/13/12 07:40         1           1.2.Dichorobenzene         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           1.2.Dichorobenzene         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           2.4.5.Trichlorophenol         ND         330         130         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         130         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.2-Dichlorobenzene       ND       330       60       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         1.3-Dichlorobenzene       ND       330       60       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       75       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlyrophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       65       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40 <td>1,2,4-Trichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>50</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1.2-Diphenylhydrazine(as         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           Azoberzene         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           1.4-Dichloroberzene         ND         330         60         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           2.4.5-Trichlorophenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbyhenol         ND         330         100         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbyhenol         ND         330         80         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene         ND         330         65         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene <td>1,2-Dichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>60</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Azobenzene         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-Dintorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Dintorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Dintorobuene         ND         330         80         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Chiorophthalene         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Chiorophthalene         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Mitophenol <td< td=""><td>1,2-Diphenylhydrazine(as</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></td<>	1,2-Diphenylhydrazine(as	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-Si-Tichlorophenol       ND       330       150       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-Dichlorophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       95       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       65       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       70       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	Azobenzene)									
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       175       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       170       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktorobhenol       ND       360       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40 <td>1,3-Dichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>90</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
24.5-Trichlorophenol       ND       330       130       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4.0-Chirophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dintorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dintorobuene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.6-Dintorobuene       ND       330       85       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Chiorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Chiorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Metryhphenol       ND       330       80       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	1,4-Dichlorobenzene	ND		330	65	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-Dinitrophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       95       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,6-Dinitrobluene       ND       330       95       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-Methylphenol       ND       330       70       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         2-Nitrophenol       ND       330       60       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-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-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,6-Dinitrobluene       ND       330       95       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,Chlorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,Methylphenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,Nitroanline       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         3,3'Dichloroberzidine       ND       330       75       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-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-Dinitrobluene         ND         330         80         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2,6-Dinitrobluene         ND         330         65         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2,6-Dinitrobluene         ND         330         70         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-Methylphenol         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanline         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'Dichtorobenzidine         ND         330         75         ug/kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol	2,4-Dichlorophenol	ND		330	60	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-Chlorophenol         ND         330         70         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-Methylphenol         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanlline         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol	2,4-Dimethylphenol	ND		330	100	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-Methylaphthalene         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Methylaphthalene         ND         330         60         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           3.3'-Dichlorobenzidine         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Shoronaline	2,4-Dinitrophenol	ND		660	110	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-Methylphenol         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Methylphenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanline         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         65         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dintro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.Chlorora-methylphenol <td>2,4-Dinitrotoluene</td> <td>ND</td> <td></td> <td>330</td> <td>80</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	2,4-Dinitrotoluene	ND		330	80	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-Nitrophenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-simethylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-sime	2,6-Dinitrotoluene	ND		330	95	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-Nitroaniline         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         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           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-3-methylphenol         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroaphen	2-Chloronaphthalene	ND		330	65	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           3,3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3,3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4,6-Dinitro-2-methylphenol         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-Chloroani	2-Chlorophenol	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           3,3'-Dichlorobenzidine         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         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroaniline         ND         330         80         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroph	2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-NitroanilineND33060ug/Kg08/10/12 08:5108/13/12 07:4012-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4013,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloroa-illineND330330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070<	2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4013,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloroa-inilineND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33080ug/Kg08/10/12 08:5108/13/12 07:4014-Nitrophenol+ 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070ug/Kg08/10/12 08:5108/13/12 07:401Acenaphthylene <t< td=""><td>2-Nitroaniline</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></t<>	2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND330 <t< td=""><td>2-Nitrophenol</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></t<>	2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-anilineND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33080ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/1	3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33060ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33080ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4-Chloro-3-methylphenol	ND		330	70	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       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       330       70       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	4-Chloroaniline	ND		330	120	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       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         Aniline       ND       330       70       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	4-Chlorophenyl phenyl ether	ND		330	85	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         330         70         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	3-Methylphenol + 4-Methylphenol	ND		330	80	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	4-Nitroaniline	ND		830	90	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	4-Nitrophenol	ND		830	140	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	Acenaphthene	ND		330	60	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	Acenaphthylene	ND		330	70	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	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

TestAmerica Job ID: 440-19898-1

#### Lab Sample ID: 440-19898-5 Matrix: Solid

Lab Sample ID: 440-19898-6

Matrix: Solid

660

MDL Unit

660 ug/Kg

D

Prepared

08/10/12 08:51

Analyte

Benzidine

#### Client Sample ID: SB-26-0.5 Date Collected: 08/09/12 11:38 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

#### Lab Sample ID: 440-19898-6 Matrix: Solid

Analyzed

08/13/12 07:40

Dil Fac

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-hvdroxy-4-methyl-	8000	TJN			3	.00	123-42-2	08/10/12 08:51	08/13/12 07:40	1
4-(Trifluoromethyl)mandelic acid	570	TJN	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

Date Collected: 08/09/12 11:38 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 Rang	e 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

Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compou Analyte Result	Inds (GC/MS) 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 ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Azobenzene)								
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	
Benzo[a]pyrene ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-6

Matrix: Solid

Lab Sample ID: 440-19898-7 Matrix: Solid

MDL Unit

D

Prepared

#### Client Sample ID: SB-26-3 Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

Analyte

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

#### Lab Sample ID: 440-19898-7 Matrix: Solid

Analyzed

5

Dil Fac

	2
	9

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	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobenzene	ND		330		70	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobutadiene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorocyclopentadiene	ND		830		90	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Hexachloroethane	ND		330		65	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Indeno[1 2 3-cd]pyrene	ND		330		130	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Isophorone	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Naphthalene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Nitrobenzene	ND		330		70	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
N-Nitrosodi-n-propylamine	ND		250		70	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
N-Nitrosodinbenylamine	ND		330		80	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Pentachlorophenol	ND		830		150	ua/Ka		08/10/12 08:51	08/13/12 04:10	· · · · · · · · · · · · · · · · · · ·
Phenanthrene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Phonol	150		330		90	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Pyrene	ND	• • • • • • • • • • •	330		80	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
his (2-chloroisonronyl) ether	ND		330		60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
	ND		000		00	ug/itg		00/10/12 00:01	00/10/12 04.10	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	8700	TJN	ug/Kg		3	.00	123-42-2	08/10/12 08:51	08/13/12 04:10	1
Tributyl phosphate	1500	TJN	ug/Kg		7	.86	126-73-8	08/10/12 08:51	08/13/12 04:10	1
4-(Trifluoromethyl)mandelic acid	5200	TJN	ug/Kg		8	.72	395-35-7	08/10/12 08:51	08/13/12 04:10	1
Diphenyl phosphate	1300	TJN	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 Rang	ge Organics - (G	C)	-				_	_		
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 Date Collected: 08/09/12 12:02

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 Rang	e 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

Date Collected: 08/09/12 12:24

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Org	janic Compou	nds (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	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Azobenzene) 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

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-7

Matrix: Solid

Lab Sample ID: 440-19898-8 Matrix: Solid

33000

33000

MDL Unit

5000 ug/Kg

11000 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

#### Client Sample ID: SB-25-3 Date Collected: 08/09/12 12:24 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

#### Lab Sample ID: 440-19898-8 Matrix: Solid

Analyzed

08/13/12 08:01

08/13/12 08:01

Dil Fac

50

50

Benzo[k]fluoranthene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Benzoic acid	ND		83000	1500	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Benzyl alcohol	ND		33000	2000	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethoxy)methane	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethyl)ether	ND		17000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Bis(2-ethylhexyl) phthalate	ND		33000	900	0 ug/ł	٨g	08/10/12 08:51	08/13/12 08:01	50
Butyl benzyl phthalate	ND		33000	800	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Chrysene	ND		33000	750	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Dibenz(a,h)anthracene	ND		42000	1000	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Dibenzofuran	ND		33000	600	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Diethyl phthalate	ND		33000	950	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Dimethyl phthalate	ND		33000	650	0 ug/ł	<g< td=""><td>08/10/12 08:51</td><td>08/13/12 08:01</td><td>50</td></g<>	08/10/12 08:51	08/13/12 08:01	50
Di-n-butyl phthalate	ND		33000	900	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Di-n-octyl phthalate	ND		33000	900	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Fluoranthene	ND		33000	700	0 ug/ł	<b>K</b> g	08/10/12 08:51	08/13/12 08:01	50
Fluorene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorobenzene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorobutadiene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorocyclopentadiene	ND		83000	900	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachloroethane	ND		33000	650	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Indeno[1,2,3-cd]pyrene	ND		33000	1300	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Isophorone	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Naphthalene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Nitrobenzene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodi-n-propylamine	ND		25000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodiphenylamine	ND		33000	800	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Pentachlorophenol	ND		83000	1500	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Phenanthrene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Phenol	ND		33000	900	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Pyrene	ND		33000	800	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
bis (2-chloroisopropyl) ether	ND		33000	600	0 ug/ł	Кg	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	TJN	ug/Kg		7.88	126-73-8	08/10/12 08:51	08/13/12 08:01	50
2,3,4,5-Tetrafluorobenzonitrile	660000	TJN	ug/Kg		8.74	16582-93-7	08/10/12 08:51	08/13/12 08:01	50
Diphenyl phosphate	160000	TJN	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 Rang	e Organics - (G	C)							
Analyte	Result	Qualifier	RL	MD	L Unit	t D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	15	0 ug/ł	<g< td=""><td></td><td>08/15/12 22:06</td><td>1</td></g<>		08/15/12 22:06	1

Benzo[a]pyrene

Client Sample ID: SB-25-3 Date Collected: 08/09/12 12:24							Lab Sam	ple ID: 440-1 Matri	9898-8 x: Solid
Date Received: 08/09/12 18:05									
Surrogate	%Pecovery	Qualifier	l imite				Prepared	Analyzod	Dil Eac
4-Bromofluorobenzene (Surr)	/%Recovery		65 140				Frepared	08/15/12 22:06	
	59	~	05 - 140					00/13/12 22.00	,
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
	<i></i>	0 ""					- <i>.</i>		<b>5</b> .7 <b>5</b>
Surrogate	%Recovery	Qualifier					Prepared	Analyzed	DII Fac
II-Oclacosane	110		40 - 140				00/13/12 09.03	08/17/12 09.07	5
Client Sample ID: EB-0809	12						Lab Sam	ple ID: 440-1	9898-9
Date Collected: 08/09/12 15:30								Matrix	k: Water
Date Received: 08/09/12 18:05									
Method: 8270C - Semivolatile	Organic Compou	nds (GC/MS)	DI DI	MDI	11		Drevered	A mellume d	
Analyte		Quaimer	RL			D			
			9.5	2.4	ug/L		00/10/12 15.50	08/20/12 04:28	1
			9.5	2.9	ug/L		00/10/12 15.50	08/20/12 04.20	1
1,2-Diphenylhydrazine(as	ND		19	2.4	ug/L		00/10/12 15.50	06/20/12 04.26	I
1.3-Dichlorobenzene	ND		9.5	2.9	ua/L		08/16/12 15:58	08/20/12 04:28	1
1.4-Dichlorobenzene	ND		9.5	2.4	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4.5-Trichlorophenol	ND		19	2.9	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4.6-Trichlorophenol	ND		19	4.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dichlorophenol	ND		9.5	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dimethylphenol	ND		19	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dinitrophenol	ND		19	7.6	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dinitrotoluene	ND		9.5	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.6-Dinitrotoluene	ND	*	9.5	1.9	ua/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
		*	0.5	2.4			08/16/12 15:58	08/20/12 04.28	1

1

08/20/12 04:28

9.5

2.9 ug/L

08/16/12 15:58

ND

9.5

9.5

9.5

19

MDL Unit

2.4 ug/L

9.5 ug/L

ug/L

1.9 ug/L

3.8

D

Prepared

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

#### Client Sample ID: EB-080912 Date Collected: 08/09/12 15:30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

ND

Date Received: 08/09/12 18:05

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

Benzo[k]fluoranthene

Benzoic acid

#### Lab Sample ID: 440-19898-9 Matrix: Water

Analyzed

08/20/12 04:28

08/20/12 04:28

08/20/12 04:28

08/20/12 04:28

5

Dil Fac

1

1

1

		-							00/45/40 00 55	
Method: 8015B - Gasoline Rang Analyte	e Organics - (G Result	C) Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
_										
Phenol-d6 (Surr)	56		35 - 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
Nitrobenzene-d5 (Surr)	68		45 - 120					08/16/12 15:58	08/20/12 04:28	
2.4.6-Tribromophenol (Surr)	57		40 - 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-Fluorobiphenvl	66							08/16/12 15:58	08/20/12 04:28	1
Surrogate	%Recoverv	Qualifier	Limits					Prepared	Analvzed	Dil Fac
Tentatively Identified Compound	None		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
bis (2-chloroisopropyl) ether	ND		9.5		2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pyrene	ND	••••••	9.5		3.8	ua/L		08/16/12 15:58	08/20/12 04:28	1
Phenol	33	л	9.5		1.9	3/- ua/l		08/16/12 15:58	08/20/12 04.28	1
Phenanthrene	ND	*	9.5		3.3	ua/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
N-Nitrosodinhenvlamine		*	9.5		1 9	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodi-n-propylamine			95		2.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Nitrobenzene	ND		19		2.0	ug/L		08/16/12 15:58	08/20/12 04:28	' 1
Nanhthalene		*	9.5		2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
			19		20	ug/L		08/16/12 15:58	08/20/12 04:28	1
			9.5		3.3	ug/L		08/16/12 15:58	08/20/12 04:28	ا 1
Hexachloroothano			19		4.0	ug/L		08/16/12 15:58	08/20/12 04.28	1
Hexachioroputadiene	ND		9.5		3.0	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachiorobenzene	ND		9.5		2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1 م
Fluorene	ND	* +	9.5		2.9	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
Di-n-octyl phthalate	ND		19		3.3	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
Dimethyl phthalate	ND		9.5		2.4	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
Dibenzofuran	ND	*	9.5		3.8	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
Chrysene	ND	*	9.5		2.4	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
Bis(2-ethylhexyl) phthalate	ND	*	48		3.8	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-chloroethoxy)methane	ND		9.5		2.9	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

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

Lab Sample ID: 440-19898-9

Matrix: Water

#### Client: MWH Americas Inc Project/Site: GE duarte

#### Client Sample ID: EB-080912

Date Collected: 08/09/12 15:30 Date Received: 08/09/12 18:05

Method: 8015B - Diesel Range O	rganics (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

Initial

Amount

15.02 g

5.37 g

30.03 g

Final

Amount

2 mL

10 mL

2 mL

Batch

44471

44815

44867

45421

46023

Number

Dil

2

1

1

Factor

Run

Client Sample ID: SB-27-0.5

Batch

Туре

Prep

Analysis

Analysis

Analysis

Prep

Batch

Method

3546

8270C

8015B

8015B

**CALUFT** 

Date Collected: 08/09/12 09:58

Date Received: 08/09/12 18:05

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 440-19898-1

Analyst

AG

AI

RG

JR

Lab Sample ID: 440-19898-2

Prepared

or Analyzed

08/10/12 08:51

08/13/12 05:55

08/13/12 17:38

08/17/12 10:49

08/15/12 09:03 AD

Matrix: Solid

Lab

TAL IRV

TAL IRV

TAL IRV

TAL IRV

TAL IRV

Matrix: Solid

# 6

## Client Sample ID: SB-27-3

#### Date Collected: 08/09/12 10:23

Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 08/09/12 10:48 Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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**

Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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 Sample ID: 440-19898-3 Matrix: Solid

## Lab Sample ID: 440-19898-4

Matrix: Solid

Lab Sample ID: 440-19898-6

#### Lab Sample ID: 440-19898-5 Matrix: Solid

Date Collected: 08/09/12 11:22 Date Received: 08/09/12 18:05

Client Sample ID: SB-25-0.5

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Collected: 08/09/12 11:38

Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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

Date Collected: 08/09/12 12:24

#### Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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 Sample ID: 440-19898-7

Lab Sample ID: 440-19898-8

Matrix: Solid

Matrix: Solid

Matrix: Solid

#### Lab Sample ID: 440-19898-9 Matrix: Water

#### Client Sample ID: EB-080912 Date Collected: 08/09/12 15:30

#### Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: MB 440-44471/1-A

**Client Sample ID: Method Blank** 

5 6 7

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 44815								Prep Batch	n: 44471
	MB	МВ							
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 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	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Azobenzene)			220	00	ua/Ka		09/10/12 09-51	09/12/12 00:20	
			330	90	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
			330	120	ug/Kg		00/10/12 00:51	08/13/12 00:39	1
2,4,5- michorophenol			330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	······ 1
			330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dimethylphenol			330	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dinitrophenol			660	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	······
			330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			330	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chloronaphthalene			330	65	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Chloronhenol			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylnanhthalene			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Methylnhenol			330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitroaniline			330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2-Nitronhenol			330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3 3'-Dichlorobenzidine			830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	····· 1
3-Nitroaniline			330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4 6-Dipitro-2-methylphenol			420	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Bromonhenyl nhenyl ether			330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloro-3-methylphenol			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chloroaniline			330	120	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chlorophenyl phenyl ether			330	85	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
3-Methylphenol + 4-Methylphenol			330	80	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Nitroaniline			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	· · · · · · · · · · · · · · · · · · ·
Acenaphthene	ND		330	60	ug/Ka		08/10/12 08:51	08/13/12 00:39	1
Acenaphthylene			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			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
Benzolalanthracene	ND		330	70	ua/Ka		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Benzolalpyrene	ND		330	55	ug/Ka		08/10/12 08:51	08/13/12 00:39	1
Benzo[b]fluoranthene	ND		330	50	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Benzola h ilpervlene	ND		330	110	ua/Ka		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Benzo[k]fluoranthene	ND		330	70	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Benzoic acid	ND		830	150	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Benzyl alcohol	ND		330	200	ua/Ka		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Bis(2-chloroethoxy)methane	ND		330	70	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Bis(2-chloroethyl)ether	ND		170	60	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Bis(2-ethylhexyl) phthalate			330	90 90	ua/Ka		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Butyl benzyl phthalate			330	80	ua/Ka		08/10/12 08:51	08/13/12 00:39	, 1
Chrysene			330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Dibenz(a h)anthracene			420	100	ua/Ka		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Dibenzofuran			330	60	ua/Ka		08/10/12 08:51	08/13/12 00:39	1
Diethyl obthalate			330	95	ua/Ka		08/10/12 08:51	08/13/12 00:39	, 1
			330	65	ua/Ka		08/10/12 08:51	08/13/12 00:30	'1
Dimotry primate	ND		550	05	aging		00/10/12 00.JT	00/10/12 00.09	I

Lab Sample ID: MB 440-44471/1-A

Client Sample ID: Method Blank	
Prep Type: Total/NA	_
Prep Batch: 44471	

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 44815								Prep Batch	n: 44471
	MB	MB							
Analyte	Result	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
	MB	МВ							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	7300	TJN	ug/Kg		3.00	123-42-2	08/10/12 08:51	08/13/12 00:39	1
	MB	МВ							
Surrogate	%Recovery	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					c	lient Sample I	D: Lab Control	Sample

#### 44/1/2 Matrix: Solid

#### Analysis Batch: 44815 Prep Batch: 44471 Spike LCS LCS %Rec. Analyte Added **Result Qualifier** Unit D %Rec Limits 1,2,4-Trichlorobenzene 3330 2140 64 40 - 120 ug/Kg 1,2-Dichlorobenzene 3330 2130 ug/Kg 64 40 - 120 3330 2240 67 50 - 125 1,2-Diphenylhydrazine(as ug/Kg Azobenzene) 3330 2060 62 1,3-Dichlorobenzene ug/Kg 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 73 2450 ug/Kg 45 - 120 3330 2,4-Dimethylphenol 2050 ug/Kg 62 40 - 120 2,4-Dinitrophenol 3330 2230 67 25 - 120 ug/Kg 71 2,4-Dinitrotoluene 3330 2360 55 - 125 ug/Kg 2,6-Dinitrotoluene 3330 2400 ug/Kg 72 55 - 125

#### Prep Type: Total/NA

**TestAmerica** Irvine 8/23/2012

**Client Sample ID: Lab Control Sample** 

## 2 3 4 5 6 7 8 9 10 11 12

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2	-A
Matrix: Solid	

Matrix: Solid						Prep Type: Total/NA
Analysis Batch: 44815						Prep Batch: 44471
	Spike	LCS	LCS			%Rec.
Analyte	Added	Result	Qualifier Un	it D	%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
Lab Sample ID: 440-19898-7 MS

Client Sample ID: SB-26-3

### 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
· · · · · · · · · · · · · · · · · · ·	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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
LCS	CS						

	200	200	
Surrogate	%Recovery	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

Matrix: Solid									Prep Typ	be: Total/NA
Analysis Batch: 44815									Prep B	atch: 44471
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

2260

1930

2320

2310

2350

ND F

Result Qualifier

Unit

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

D

%Rec

68

58

70

0

70

71

Spike

Added

3320

3320

3320

3320

3320

3320

Analysis Batch: 44815

Analyte

Aniline

Anthracene

Benzidine

Acenaphthylene

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[g,h,i]perylene Benzo[k]fluoranthene

Benzo[a]pyrene

Benzoic acid Benzyl alcohol **Client Sample ID:** 

%Rec.

Limits

45 - 120

25 - 120

55 - 120

20 - 120

50 - 120

45 - 125

## 7

L Sample ID: 5B-20-5	
Prep Type: Total/NA	
Prep Batch: 44471	
Rec.	
mits	
100	

	3320	2460	ug/Kg	74	45 - 125
	3320	3080	ug/Kg	93	25 _ 130
	3320	2570	ug/Kg	77	45 - 125
	3320	2540	ug/Kg	77	20 - 120
	3320	2010	ug/Kg	61	20 - 120
	3320	1970	ug/Kg	59	45 - 120
	3320	1960	ug/Kg	59	35 _ 110
	3320	2240	ug/Kg	67	45 _ 130
	3320	2520	ug/Kg	76	45 - 125
	3320	2260	ug/Kg	68	55 - 120
	3320	2450	ug/Kg	74	25 _ 135
	3320	2140	ug/Kg	65	50 - 120
	3320	2410	ug/Kg	72	50 - 125
	3320	2250	ug/Kg	68	45 _ 125
	3320	2190	ug/Kg	66	50 - 125
	3320	2630	ug/Kg	79	50 _ 135
	3320	2130	ug/Kg	64	45 _ 120
	3320	2180	ug/Kg	66	50 - 120
	3320	2270	ug/Kg	68	50 - 120
	3320	1930	ug/Kg	58	40 - 120
	3320	1980	ug/Kg	60	20 - 125
	3320	1920	ug/Kg	58	35 - 120
	3320	2810	ug/Kg	85	20 - 130
	3320	2090	ug/Kg	63	40 - 120
	3320	1960	ug/Kg	59	40 - 120
	3320	1970	ug/Kg	59	40 - 120
	3320	2370	ug/Kg	71	35 - 120
	3320	2390	ug/Kg	72	45 - 125
	3320	2330	ug/Kg	70	30 - 120
	3320	2260	ug/Kg	68	50 - 120
J	3320	2430	ug/Kg	69	40 - 120
	3320	2460	ug/Kg	74	40 - 125
	3320	1980	ug/Kg	60	40 - 120
MS					

Lab Sample ID: 440-19898-7 MS	
Matrix: Solid	

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Sample Sample

ND

ND

ND

ND

ND

ND

ND

ND

ND ND

ND

Result Qualifier

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
	MS	MS					
Surrogate	%Recovery	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)

Dimethyl phthalate

Lab Sample ID: 440-19898-7 MSD

### Client Sample ID: SB-26-3 5 6 7 8 9 10 11

Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 44815									Prep	Batch:	44471
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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		ua/Ka		72	35 - 120	2	25
4-Bromophenyl phenyl ether	ND		3330	2300		ua/Ka		69	45 - 120	0	20
4-Chloro-3-methylphenol	ND		3330	2370		ua/Ka		71	50 - 125	2	25
4-Chloroaniline	ND		3330	1710		ua/Ka		51	20 - 120	0	30
4-Chlorophenyl phenyl ether	ND		3330	2090		ua/Ka		63	50 120	1	25
3-Methylphenol + 4-Methylphenol	ND		3330	2450		ug/Kg		73	50 120		25
4-Nitroaniline	ND		3330	2010		ug/Kg		60	40 125	5	30
4-Nitronhenol			3330	2010		ug/Kg		68	35 125	5	30
Aconophthono			3330	2060		ug/Kg		62	45 120	1	25
			3330	2000		ug/Kg		60	45 120	1	20
Anilino			2220	1010		ug/Kg		57			20
Anthree			2220	1910		ug/Kg		57	20 - 120 55 120	ا د	30
Ponzidino			2220	2200	-	ug/Kg		00	20 120		20
			2220	2250		ug/Kg		60	20 - 120 50 120	201	
Benzolajarunacene	ND		3330	2200		ug/Kg		00	00 - 120 45 - 105	ა ი	20
	ND		3330	2300		ug/Kg		09	40 - 120	2	20
Benzolbjiluorantnene	ND		3330	2410		ug/Kg		/2	45 - 125	2	30
Benzolg,n,Ijperviene	ND		3330	3160		ug/Kg		95	25 - 130	3	30
	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

1

25

67

45 - 125

2230

ug/Kg

3330

ND

Lab Sample ID: 440-19898-7 MSD

Client Sample ID: SB-26-3

## 5 6 7

0					
Kg	62	20 - 125	4	30	9
Kg	58	35 - 120	1	30	
Kg	84	20 - 130	1	30	
Kg	64	40 - 120	2	25	
Kg	60	40 - 120	3	25	
Kg	62	40 - 120	4	25	
Kg	73	35 - 120	2	25	
Kg	71	45 - 125	2	25	
Kg	69	30 - 120	1	25	
Kg	65	50 - 120	4	25	

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 45901

Method: 8270C - Semivolatile Organic Compounds	(GC/MS)	(Continued)

Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 44815									Prep	Batch:	44471
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

Matrix: Water

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

Prepared

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

Prep Type: Total/NA

Prep Batch: 45901

Dil Fac

1

1

## 5

7
8
9

9	

08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
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08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	

Analysis Batch: 46371						
-	MB	МВ				
Analyte	Result	Qualifier	RL	MDL	Unit	D
2-Nitroaniline	ND		20	2.0	ug/L	
2-Nitrophenol	ND		10	3.5	ug/L	
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L	
3-Nitroaniline	ND		20	3.0	ug/L	
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L	
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L	

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

RL

10

10

Unit

ug/L

MDL Unit

4.0 ug/L

2.5 ug/L

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

MB MB

MB MB

8.41 TJN

MB MB

60

49 62

66

71

58

Qualifier

%Recovery

Est. Result Qualifier

ND

ND

**Result Qualifier** 

Analysis Batch: 46371

bis (2-chloroisopropyl) ether

Tentatively Identified Compound

Matrix: Water

Analyte

Pyrene

Tritetracontane

2-Fluorobiphenyl

2-Fluorophenol (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

2,4,6-Tribromophenol (Surr) Nitrobenzene-d5 (Surr)

Surrogate

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 45901

Dil Fac

1

1

							7
it /L	<u>D</u>	<b>RT</b> 10.52	CAS No. 7098-21-7	Prepared 08/16/12 15:58	Analyzed	Dil Fac	8
Limits				Prepared	Analyzed	Dil Fac	9
50 - 120	-			08/16/12 15:58	08/19/12 22:16	1	
30 - 120				08/16/12 15:58	08/19/12 22:16	1	
40 - 120				08/16/12 15:58	08/19/12 22:16	1	
45 - 120				08/16/12 15:58	08/19/12 22:16	1	
50 - 125				08/16/12 15:58	08/19/12 22:16	1	
35 - 120				08/16/12 15:58	08/19/12 22:16	1	

Prepared

08/16/12 15:58

08/16/12 15:58

D

### Lab Sample ID: LCS 440-45901/2-A Matrix: Water

Analysis Batch: 46371

Analysis Batch: 46371							Prep Ba	itch: 45901
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	100	61.3		ug/L		61	60 - 120	
Azobenzene)								
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	

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

2,4,6-Tribromophenol (Surr)

### 2 3 4 5 6 7 8 9 10 11 12

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

44

61

62

61

51

Lab Sample ID: LCS 440-45	901/2-A						Client	t Sample	ID: Lab Co	ntrol Sample
Matrix: Water									Prep T	ype: Total/NA
Analysis Batch: 46371									Prep	Batch: 45901
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%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		ua/L		40	40 - 120	
Hexachlorocvclopentadiene			100	42.9		ua/L		43	25 - 120	
Hexachloroethane			100	38.5		ua/L		39	35 - 120	
Indeno[1,2,3-cd]pyrene			100	68.4		ua/L		68	45 - 135	
Isophorone			100	63.5		ua/L		64	50 - 120	
Naphthalene			100	51.9	*	<u>-</u>		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-Nitrosodinhenvlamine			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	
his (2-chloroisonronyl) ether			100	58 0		ug/L		50	45 120	
			100	50.9		uy/L		00	70 - 120	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
2-Fluorobiphenyl	58		50 - 120							

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30 - 120

40 - 120

45 \_ 120

50 - 125

35 - 120

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A Matrix: Water				Client Sample ID: Lab Control Sample D Prep Type: Total/ Prep Batch: 45							
Analysis Batch: 463/1	0	1.000	1.000				Prep	Batch:	45901		
Analyte	Spike	LCSD Result	LCSD Qualifier	Unit	р	%Rec	%Rec. Limits	RPD	L imit		
1 2 4-Trichlorobenzene		48.1		ua/I		48	45 - 120	5	20		
1.2-Dichlorobenzene	100	44.0		ua/L		44	40 - 120	1	25		
1 2-Dinhenylhydrazine(as	100	64.6		ua/L		65	60 - 120	5	25		
Azobenzene)				3,-				-			
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		ua/L		57	50 - 120	4	20		
2-Nitroaniline	100	67.3		ua/L		67	65 - 120	8	20		
2-Nitrophenol	100	62.8		ua/L		63	50 - 120	5	25		
3.3'-Dichlorobenzidine	100	54.1		ua/L		54	45 - 135	24	25		
3-Nitroaniline	100	64.5		ua/L		65	60 - 120	6	25		
4 6-Dinitro-2-methylphenol	100	65.6		ua/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		ua/L		63	60 - 120	4	25		
4-Chloroaniline	100	63 7		ua/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		ua/l		60	50 - 120	-	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		
	100	63.0		ug/L		63	60 120	10	20		
Acenaphthylene	100	65.8		ug/L		66	60 120	.0	20		
Aniline	100	64.3		ug/L		64	35 - 120	1			
Anthracene	100	64.8		ug/L		65	65 120	7	20		
Benzidine	100	63.3		ug/L		63	30 160	1	35		
Benzolalanthracene	100	64.6		ug/L		65	65 120		20		
Benzolalpyrene	100	65.8		ug/L		66	55 130	, q	25		
Benzo[h]fluoranthene	100	65.4		ug/L		65	55 125	5	25		
Benzola h ilpervlene	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		
Benzul alcohol	100	65.4		ug/L		65	50 120		20		
Bic/2 chloroothoxy)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-ethylbeyy)) phthalate	100	61.0	*	ug/L		62	65 130				
	100	01.9 60 1		ug/L		62	55 120	р р	20 20		
	100	00.1		ug/L		60	65 100	0	20		
	100	00.0		ug/L		60	50 120	ן ב	20 25		
	100	02.U	*	ug/L		62	00 - 100 65 400	0	20		
	100	03.5		ug/L		03 67	55 120	0	20		
Dimethyl phthalato	100	00.0		ug/L		01 64	30 120	ວ ຂ	00 		
	100	04.2		uy/L		04	50 - 120	0	30		

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### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A Matrix: Water		Clie	ent San	ple ID:	Lab Contro Prep T	l Sampl	e Dup tal/NA		
Analysis Batch: 46371							Prep	Batch:	45901
· · · · · · · · · · · · · · · · · · ·	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
LCSD_LCSI	)								

	LUGD	LUGD	
Surrogate	%Recovery	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										Client S	Sample ID: Metho	od Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 44867												
-	МВ	MB										
Analyte	Result	Qualifier	RL		MDL	Unit		D	Ρ	repared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		150	ug/Kg					08/13/12 10:20	1
	MB	МВ										
Surrogate	%Recovery	Qualifier	Limits						Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		65 - 140					-			08/13/12 10:20	1
 Lab Sample ID: LCS 440-44867/2								CI	ient	Sample	e ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 44867												
-			Spike	LCS	LCS						%Rec.	
Analyte			Added	Result	Qual	lifier	Unit		D	%Rec	Limits	
GRO (C4-C12)			1600	1410			ug/Kg		_	88	70 - 135	

Limits 65 - 140

Spike

Added

Limits

65 - 140

1600

LCSD LCSD

1430

**Result Qualifier** 

Unit

ug/Kg

Analysis Batch: 44867

4-Bromofluorobenzene (Surr)

Analysis Batch: 44867

4-Bromofluorobenzene (Surr)

Matrix: Solid

Matrix: Solid

GRO (C4-C12)

Matrix: Solid

Analyte

Surrogate

Surrogate

Lab Sample ID: LCS 440-44867/2

Lab Sample ID: LCSD 440-44867/3

Lab Sample ID: 440-19872-A-3 MS

TestAmerica Job ID: 440-19898-1

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup											
Prep Type: Total/NA											
			%Rec.		RPD						
	D	%Rec	Limits	RPD	Limit	9					
g		89	70 - 135	1	20	_					

Prep Type: Total/NA

### **Client Sample ID: Matrix Spike** Prep Type: Total/NA

Analysis Batch: 44867										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
GRO (C4-C12)	ND		1450	1070		ug/Kg		74	60 - 140	 
	MS	MS								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		65 - 140

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

LCS LCS

LCSD LCSD %Recovery Qualifier

116

%Recovery Qualifier

128

### Lab Sample ID: 440-19872-A-3 MSD Matrix: Solid alvaia Pate 44967

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1430	1010		ug/Kg		71	60 - 140	5	30
	MSD	MSD									

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		65 - 140
 Lab Sample ID: MB 440-45258/3			

### **Client Sample ID: Method Blank** Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Water	
Analysis Batch: 452	258

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/14/12 15:17	1
	MB	МВ							
Surrogate	%Recovery	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 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 45258 Spike LCS LCS %Rec. Analyte Added **Result Qualifier** Unit D %Rec Limits GRO (C4-C12) 800 667 83 80 - 120 ug/L

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Lab Sample ID: LCS 440-45258/2

TestAmerica Job ID: 440-19898-1

**Client Sample ID: Lab Control Sample** 

### 1 2 3 4 5 6 7 8 9 10 11 12

Method: 8015B - Gasoline Range Organics - (GC) (Continued)	

Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	105	105									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		65 - 140								
Lab Sample ID: 440-19892-A-3	MS							Client	Sample ID:	Matrix	Spike
Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
GRO (C4-C12)	42	J	800	673		ug/L		79	65 - 140		
	MS	MS									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		65 - 140								
Lab Sample ID: 440-19892-A-3	MSD					С	lient S	ample ID	): Matrix Sp	ike Duj	plicate
Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	42	J	800	654		ug/L		77	65 - 140	3	20
	MSD	MSD									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		65 - 140								
Lab Sample ID: MB 440-45520/	4							<b>Client S</b>	ample ID: N	<b>lethod</b>	Blank
Lab Sample ID: MB 440-45520/ Matrix: Solid	4							Client S	ample ID: M Prep Ty	/lethod ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520	4							Client S	ample ID: M Prep Ty	Method ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520	4	MB MB						Client S	ample ID: M Prep Ty	Aethod ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte	4 	MB MB esult Qualifier			MDL Unit		D	Client S Prepared	ample ID: M Prep Ty Analyze	Method ype: To	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier	<u></u>		MDL Unit		D F	Client S Prepared	Gample ID: M Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 R(	MB MB esult Qualifier ND MB MB	RL 400		MDL Unit		DF	Client S	Cample ID: M Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate	4 <u></u> % <i>R</i> eco	MB MB esult Qualifier ND MB MB vvery Qualifier	RL 400 <i>Limits</i>		MDL Unit 150 ug/Kg		<u>D</u> F	Client S Prepared	Gample ID: N Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac 1 Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB wery Qualifier 98	RL 400 <u>Limits</u> 65 - 140		MDL Unit 150 ug/Kg		DF	Client S Prepared	Cample ID: N Prep Ty 	Method           ype: To           ed           5:06           ed           5:06	Blank tal/NA Dil Fac 1 Dil Fac 1
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D _ F	Client S Prepared	Cample ID: N Prep Ty 08/15/12 1 Analyze 08/15/12 1	Aethod           ype: To           ad         -           5:06         -           ad         -           ad         -           ad         -           ad         -           5:06         -	Blank tal/NA Dil Fac 1 Dil Fac 1
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 08/15/12 1 Analyze 08/15/12 1 e ID: Lab Co	Aethod           ype: To           ad           5:06           -           ad           (5:06)           -           ontrol S	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid	4 	MB MB esult Qualifier ND MB MB very Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 08/15/12 1 Analyze 08/15/12 1 BID: Lab Co Prep Ty	Aethod           ype: To           ad           5:06           -           ad           5:06	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520	4 	MBMBesultQualifierNDMBMBveryQualifier98	RL 400 <i>Limits</i> 65 - 140		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 08/15/12 1 08/15/12 1 08/15/12 1 e ID: Lab Co Prep Ty	Aethod           ype: To           2d           5:06           -           2d           -           2d           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520	4  %Reco	MB MB esult Qualifier ND MB wery Qualifier 98	— RL 400 — Limits 65 - 140 Spike	LCS	MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 	Aethod ype: To ed 5:06 - (5:06	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte	4 	MB MB esult Qualifier MB MB every Qualifier 98	RL 400 	LCS Result	MDL Unit 150 ug/Kg LCS Qualifier	Unit	D F F Clien	Client S Prepared Prepared t Sample	Analyze Analyze O8/15/12 1 Analyze O8/15/12 1 DS Lab Co Prep Ty %Rec. Limits	Aethod ype: To ed 5:06 /5:06 /5:06 ontrol S ype: To	Blank tal/NA Dil Fac 1 Dil Fac 1 sample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 400 65 - 140 65 - 140 1600	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample %Rec 92 92	Analyze           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           9/08/15/12 1           9/08/15/12 1           9/08/15/12 1           9/08/15/12 1           10: Lab Coo           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - sof 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:00 - 5:00 - 5:06 - 5:0 - 5:00 - 5:00 - 5	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 LCS	Limits           65 - 140           Spike           Added           1600	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F F Clien D	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           WRec.           Limits           70 - 135	Aethod ype: To ed 5:06 - whtrol S ype: To	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	Limits           65 - 140           Spike           Added           1600           Limits	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F F Clien	Client S Prepared Prepared t Sample %Rec 92 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Bib: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod           ype: To           5:06           5:06           -           5:06           -           ype: To	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier MB MB every Qualifier 98 LCS Qualifier	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           BID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - votrol S ype: To	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 LCS Qualifier	Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D	Client S Prepared Prepared t Sample %Rec 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 mample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 Unable Content of the second	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D -	Client S Prepared Prepared t Sample %Rec 92	Analyze OB/15/12 1 Analyze 08/15/12 1 Analyze 08/15/12 1 Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty	Aethod ype: To 2d 5:06 - 20 5:06 - 20 5:00 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 - 20 5:06 5:06 5:06 5:06 5:06 5:06 5:06 5:0	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 Unable Content of the second	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Clien D	Client S Prepared Prepared t Sample	Analyze OB/15/12 1 Analyze OB/15/12 1 Analyze OB/15/12 1 DI: Lab Co Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty	Aethod ype: To ed 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	RL         400         Limits         65 - 140         Spike         Added         1600         Limits         65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D	Client S Prepared t Sample %Rec 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135           Lab Control           Prep Ty           %Rec.	Aethod ype: To 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520 Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480 LCSD Result	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D nt San	Client S Prepared t Sample %Rec 92	Analyze OB/15/12 1 Analyze OB/15/12 1 Analyze OB/15/12 1 DI: Lab Co Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty %Rec. Limits	Aethod ype: To 5:06 - ontrol S ype: To ype: To RPD	Blank tal/NA Dil Fac 1 ample tal/NA le Dup tal/NA RPD Limit

Lab Sample ID: LCSD 440-45520/3

**Client Sample ID: Lab Control Sample Dup** 

# 5 6 7 8 9 10 11

Client Sample ID: Matrix Spike								
	Prep Type: Total/NA							
	%Rec.							

Method: 8015B - Gasoline Range	e Organics - (GC) (Continued)
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Matrix: Solid									Prep <sup>-</sup>	Type: Tot	tal/NA
Analysis Batch: 45520											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		65 - 140								
Lah Sampla ID: 440 20026 A 4	MS							Client	Sample ID	Motrix	Sniko
Lab Sample ID. 440-20036-A-1 Matrix: Solid	NI S							Client	Drop <sup>-</sup>		Spike
Analysis Detable 45520									Frep	Type: To	lai/NA
Analysis Batch: 45520	Sample	Sample	Spiko	ме	MS				% Poc		
Analyta	Booult	Ouglifier	Spike	Beault	Qualifiar	Unit	п	% Baa	%Rec.		
		Quaimer	Audeu	Result	Quaimer						
GRU (04-012)	ND		1470	1160		ug/Kg		79	60 - 140		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		65 - 140								
	MOD					0		succession of the	Materia O		lieste
Lab Sample ID: 440-20036-A-1	IVISD					CI	ient Sa	ampie iL	Drem	ріке Dup	
Matrix: Solid									Prep	iype: io	
Analysis Batch: 45520	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	85		65 - 140								

### Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45524/1 Matrix: Water Analysis Batch: 45425	- <b>A</b>									Client Sa	mple ID: Meth Prep Type: Prep Bato	od Blank Total/NA h: 45524
Analyte	Res	ult Qualifie	r	RL	MDL	Unit		D	Р	repared	Analyzed	Dil Fac
C13-C22		ND		0.50	0.10	mg/L			08/1	5/12 13:16	08/16/12 08:54	1
C23-C40		ND		0.50	0.10	mg/L			08/1	5/12 13:16	08/16/12 08:54	1
		MB MB										
Surrogate	%Recov	ery Qualifie	r Limit	s					P	repared	Analyzed	Dil Fac
n-Octacosane		81	45 - 1	20					08/1	5/12 13:16	08/16/12 08:54	1
Lab Sample ID: LCS 440-45524/2 Matrix: Water	2-A							CI	lient	Sample	ID: Lab Contro Prep Type:	l Sample Total/NA
Analysis Batch: 45426			<b>.</b>								Prep Bato	h: 45524
			Spike	LCS	LCS				_	~ <del>-</del>	%Rec.	
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28			1.00	0.801			mg/L			80	40 - 115	
	LCS I	cs										
Surrogate	%Recovery	Qualifier	Limits									
n-Octacosane	76		45 _ 120									

### Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 440-45	524/3-A						CI	ient	Sam	nple ID: L	ab Contro	I Samp	le Dup
Matrix: water											Prep I	ype: IC	
Analysis Batch: 45426			Spiko		1.095	<b>`</b>					Prep %Poc	Batch	45524 000
Analyta			Spike	Booult	Ouali	ifian	Unit			% Boo	%Rec.	000	
	·			Result	Quali	mer	Unit		- <u> </u>				
010-028			1.00	0.001			mg/L			00	40 - 115	10	25
	LCSD	LCSD											
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	64		45 - 120										
Lab Sample ID: MB 440-4612	1/1 <b>-A</b>									<b>Client S</b>	ample ID: I	Method	I Blank
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
		MB MB											
Analyte	R	esult Qualifier	RL	-	MDL	Unit		D	Р	repared	Analyz	ed	Dil Fac
C13-C22		ND	5.0	)	3.5	mg/Kg		_	08/1	7/12 12:04	08/18/12 0	01:54	1
C23-C40		ND	5.0	)	3.5	mg/Kg			08/1	7/12 12:04	08/18/12 (	01:54	1
		MB MB											
Surrogate	%Reco	overy Qualifier	Limits	_					P	repared	Analyz	ed	Dil Fac
n-Octacosane		77	40 - 140						08/1	7/12 12:04	08/18/12 (	01:54	1
Lab Sample ID: LCS 440-4612 Matrix: Solid Analysis Batch: 46023	21/2-A							С	lient	t Sample	ID: Lab Co Prep T Prep	ontrol S ype: To Batch:	Sample otal/NA : 46121
-			Spike	LCS	LCS						«Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28			33.3	24.2	-		mg/Kg			73	45 - 115		
	LCS	LCS											
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	72		40 - 140										
Lab Sample ID: LCS 440-4612	21/3-A							С	lient	t Sample	ID: Lab Co	ontrol S	Sample
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
			Spike	LCS	LCS						%Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28			33.3	22.7			mg/Kg			68	45 - 115		
	1.00	105											
Ourseason of a	LUS	203	1										
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	68		40 - 140										
Lab Sample ID: LCS 440-4612	21/4-A							С	lient	Sample	ID: Lab Co	ontrol S	Sample
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
			Spike	LCS	LCS						%Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28	·		33.3	25.2			mg/Kg			75	45 - 115		
	1.00	1.05											
Ourse and the		263	1										
	%Recovery	Qualifier											
n-Octacosane	74		40 - 140										

### Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-461 Matrix: Solid Analysis Batch: 46023	21/5-A						Client	t Sample	e ID: Lab Co Prep Ty Prep	ontrol Sample ype: Total/NA Batch: 46121
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
C10-C28			33.3	24.5		mg/Kg		74	45 - 115	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
n-Octacosane	73		40 - 140							
n-Octacosane 	/3		40 - 140							

Prep Type

Total/NA

Prep Type

Matrix

Solid

Matrix

**GC/MS Semi VOA** 

Prep Batch: 44471

Lab Sample ID

440-19898-1

440-19898-2

440-19898-3

440-19898-4

440-19898-5

440-19898-6

440-19898-7

440-19898-8

440-19898-7 MS

440-19898-7 MSD

LCS 440-44471/2-A

MB 440-44471/1-A

Analysis Batch: 44815

Method

3546

3546

3546

3546

3546

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3546

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3546

3546

Method

Prep Batch

Prep Batch

### 10

_	
Lab Sample ID	Client Sample ID
440 40000 4	00.07.0.5

**Client Sample ID** 

SB-27-0.5

SB-27-3

SB-28-3

SB-25-0.5

SB-26-0.5

SB-26-3

SB-26-3

SB-26-3

SB-25-3

Lab Control Sample

Method Blank

SB-28-0.5

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	Ргер Туре	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	CALUFT	
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	Ргер Туре	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	Ргер Туре	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
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
Lab Sample ID	Client Sample ID	Ргер Туре	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 MB 440-45524/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
Analysis Batch: 46023					

Lab Sample ID	Client Sample ID	Ргер Туре	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 Pre	p Batch
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	CALUFT	
MB 440-46121/1-A	Method Blank	Total/NA	Solid	CALUFT	

### 2 3 4 5 6 7

### 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.	5
F	MS or MSD exceeds the control limits	0
х	Surrogate is outside control limits	
*	LCS or LCSD exceeds the control limits	
GC/MS Sem	ni VOA TICs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	8
Ν	Presumptive evidence of material.	U
Т	Result is a tentatively identified compound (TIC) and an estimated value.	9
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.	
Х	Surrogate is outside control limits	
GC Semi VC	DA	
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.
<del></del> ¢	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)

### 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

TestAmerica Irvine			TestAmerico
Suite 100	Chain	of Custody Record	THE LEADER IN ENVIRONMENTAL TESTIN
Irvine, CA 92614 phone 949.261.1022 fax 949.260.3299			TestAmerica Laboratories, Inc.
Client Contact	Project Manager: Michael Flaugher	lite Contact: Joan Dolmat Date: 🍸	G/12 COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	ab Contact: Jonathan Bousselaire Carrier:	f of <u>f</u> COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time		Job No.
Arcadia, CA 91007	Calendar ( C ) or Work Days (W) 10	(66	-
626-568-6671 Phone	TAT if different from Below	),T+ (82) (A2) (A2)	
626-568-6515 FAX	2 wccks	etiles (801 (716 (801 (716	SDG No.
Project Name: GE Duarte	1 week	B) colo colo fent fent	
Site:1700 Business Center Drive, Duarte, CA	2 days	0A0)) SI (-EZC (ISIO)	
P O # 10501103 010103	i day	12 (8 2222/C 12 (8 12 (8 12 (8 14 Her 12 (8 14 Her 14 Her	Sampler:
Sample Identification	Sample Sample Sample Matrix Cont B	TPH C4-C Chromium Chromium TPH C13-( CAM List- TPH C4-C TPH C4-C	Sample Specific Notes:
58-27-0.5	34/120958 REV SK 1	X X X X X	
56-27-3	1 1023 RBC Suc 1		
56-25-015	1 1048 REC SOL		
56-38-3	1102 REP Sol		
58-25-0.5	1122 REV-Soil 1		
58-210-0.5	1 1138 REV SILL 1		
26-26-3	1202 REC SUL	XXXXX	
56-25-3	1224 REC Soul (		
EB-080912	V 1530 2468 As 7	XXXX X IIII	
		71	
		89/13	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=Na(	OH; 6= Other		and the second s
Possible Hazard Identification	Poison B  Unknown	Sample Disposal ( A fee may be assessed if         Image: Construction of the second	samples are retained longer than 1 month) Lab — Archive For Months
Special Instructions/QC Requirements & Comments:			
			×
			بر ۲۰۰۰ ۲۰۰۰ میں اور
Kelinquished by: Gon Du L	Company. WWH SAN 530	Received by: Active Com	TH-I 2/5/12 1535
Relinquished by: Call	$\frac{\text{Company:}}{7M+T} = \frac{\text{Date/Time:}}{8/7/12/80}$	Received by:	pany: Date/Time:
Relinquished by:	Company: Date/Time:	Received by:	pany: Date/Time: TAPT 05.05
на страната стали и насел намението со констали с окоат и пола положения и окоатель в констали и на марим		9 10 11 N	- 2 3 4 5 6 7 8

Page 50 of 51

8/23/2012

1140-14898

### Login Sample Receipt Checklist

### Client: MWH Americas Inc

### Login Number: 19898 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	

List Source: TestAmerica Irvine



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

forthe Boular

Authorized for release by: 8/30/2012 7:17:26 AM

Jonathan Bousselaire Project Manager I jonathan.bousselaire@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Certification Summary	73
Chain of Custody	74
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### Sample Summary

Client: MWH Americas Inc Project/Site: GE duarte TestAmerica Job ID: 440-20036-1

3	
5	
8	
9	

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 4.7° 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.

### TestAmerica Job ID: 440-20036-1

### 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 Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Org	<mark>ganic Compou</mark> Result	nds (GC/M Qualifier	S) RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
1.2.4-Trichlorobenzene	ND		16000	2500	ua/Ka		08/13/12 09:24	08/16/12 17:07	25
1.2-Dichlorobenzene	ND		16000	3000	ua/Ka		08/13/12 09:24	08/16/12 17:07	25
1,2-Diphenylhydrazine(as	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

Lab Sample ID: 440-20036-1

Matrix: Solid

### 2 3 4 5 6 7 8

12

RL

16000

16000

MDL Unit

ug/Kg

ug/Kg

4500

3500

D

Prepared

08/13/12 09:24

08/13/12 09:24

08/15/12 09:03

Analyte

Di-n-octyl phthalate

Fluoranthene

C23-C40

### Client Sample ID: SB-21-0.5 Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

630

### Lab Sample ID: 440-20036-1 Matrix: Solid

Analyzed

08/16/12 17:07

08/16/12 17:07

Dil Fac

25

25

5	
5	
-	

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	TJN	ug/Kg		7	7.66	126-73-8	08/13/12 09:24	08/16/12 17:07	25
Unknown	740000	ΤJ	ug/Kg		٤	8.53		08/13/12 09:24	08/16/12 17:07	25
Diphenyl phosphate	120000	TJN	ug/Kg		ç	0.32	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 Rang	e Organics - (G	C)								
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

100

70 mg/Kg

10

08/17/12 22:52

Client: MWH Americas Inc Project/Site: GE duarte

### 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

4-Nitroaniline

Method: 8270C - Semivolatile Org	janic Compou	nds (GC/MS)		MDI	11	-	Durant	American	D!!
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DILFac
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	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Azobenzene)									
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

### Lab Sample ID: 440-20036-2

Matrix: Solid

10

08/16/12 17:28

08/13/12 09:24

17000

1800 ug/Kg

ND

TestAmerica Job ID: 440-20036-1

5

RL

MDL Unit

D

Prepared

Analyte

### Client Sample ID: SB-21-3 Date Collected: 08/09/12 16:28 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

### Lab Sample ID: 440-20036-2 Matrix: Solid

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
Chrvsene	ND		6600	1500	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dibenz(a.h)anthracene	ND		8400	2000	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dibenzofuran	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Diethvl phthalate	ND		6600	1900	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dimethyl phthalate	ND		6600	1300	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Di-n-butyl phthalate	ND		6600	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Di-n-octyl phthalate	ND		6600	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Fluoranthene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Fluorene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobenzene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobutadiene	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorocyclopentadiene	ND		17000	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachloroethane	ND		6600	1300	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Indeno[1 2 3-cd]pyrene	ND		6600	2600	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Isophorone	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Naphthalene	ND		6600	1200	ua/Ka		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	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodinhenvlamine	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
			6600	1200	ug/Kg		08/13/12 00:24	08/16/12 17:28	10
Phenol			6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dyropo			0000	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
his (2 chloroisopropyd) othor			6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
	ND		0000	1200	ug/ng		00/13/12 09.24	00/10/12 17.20	10
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tributyl phosphate	54000	TJN	ug/Kg	7	.65	126-73-8	08/13/12 09:24	08/16/12 17:28	10
Unknown	170000	ΤJ	ug/Kg	8	.52		08/13/12 09:24	08/16/12 17:28	10
Diphenyl phosphate	29000	TJN	ug/Kg	9	.31	838-85-7	08/13/12 09:24	08/16/12 17:28	10
Docosane	5500	TJN	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

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 Sam	ple ID: 440-2 Matr	20036-2 ix: Solid
Method: 8270C - Semivolatile Org	janic Compou	inds (GC/M	S) (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 - (G	C)							
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 Or	ganics (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
Analyte Cr (VI)	Result	Qualifier	RL	MDL 1.5	<b>Unit</b> mg/Kg	<u>D</u>	Prepared 08/16/12 15:44	Analyzed 08/17/12 11:51	<b>Dil Fac</b> 10
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier		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 ND		1.0	0.00	mg/Kg		08/18/12 12:47	00/20/12 15.22	Э 
			0.50	0.20	mg/Kg		00/10/12 12.47	08/20/12 15.22	5
Chromium	0.29	J	1.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cobalt	5.2		1.0	0.00	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
Copper	5.4		2.0	0.38	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
	65		2.0	0.50	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
Molybdenum	ND		2.0	0.20	ma/Ka		08/18/12 12:47	08/22/12 16:59	5
Nickel	8.0		2.0	0.20	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
Selenium	ND		2.0	1.0	mg/Ka		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 Sam	ple ID: 440-2	.0036-6

welliou. 02/00 - Semivolatile Orga	nic Compou	ius (GC/Wi	<b>&gt;</b> )						
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

Di-n-octyl phthalate

Fluoranthene

### 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 Org Analyte	ganic Compou Result	nds (GC/MS) Qualifier	(Continued) RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
1.2-Diphenylhydrazine(as	ND		660	120	ug/Ka		08/13/12 09:24	08/16/12 17:49	1
Azobenzene)				0	5.9				
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/Ka		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/Ka		08/13/12 09:24	08/16/12 17:49	1
Chrysene	ND		660	150	ug/Ka		08/13/12 09:24	08/16/12 17:49	1
Dibenz(a.h)anthracene	ND		840	200	ua/Ka		08/13/12 09:24	08/16/12 17:49	1
Dibenzofuran	ND		660	120	ua/Ka		08/13/12 09:24	08/16/12 17:49	1
Diethvl phthalate	ND		660	190	ua/Ka		08/13/12 09:24	08/16/12 17:49	1
Dimethyl phthalate	ND		660	130	ua/Ka		08/13/12 09:24	08/16/12 17:49	 1
Di-n-butyl phthalate	ND		660	180	ug/Ka		08/13/12 09:24	08/16/12 17:49	1

1

1

08/16/12 17:49

08/16/12 17:49

08/13/12 09:24

08/13/12 09:24

660

660

180 ug/Kg

140 ug/Kg

ND

ND

RL

MDL Unit

D

Prepared

Analyte

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### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

### Lab Sample ID: 440-20036-6 Matrix: Solid

Analyzed

5

Dil Fac

Fluorene	ND		660	1	40	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Hexachlorobenzene	ND		660	1	40	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Hexachlorobutadiene	ND		660	1	20	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Hexachlorocyclopentadiene	ND		1700	1	80	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Hexachloroethane	ND		660	1	30	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Indeno[1,2,3-cd]pyrene	ND		660	2	60	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Isophorone	ND		660	1	20	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Naphthalene	ND		660	1	20	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Nitrobenzene	ND		660	1	40	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
N-Nitrosodi-n-propylamine	ND		500	1	40	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
N-Nitrosodiphenylamine	ND		660	1	60	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Pentachlorophenol	ND		1700	3	00	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Phenanthrene	ND		660	1	20	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Phenol	ND		660	1	80	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
Pyrene	ND		660	1	60	ug/Kg		08/13/12 09:24	08/16/12 17:49	1	
bis (2-chloroisopropyl) ether	ND		660	1	20	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	TJN	ug/Kg		2.	43	123-42-2	08/13/12 09:24	08/16/12 17:49	1	
Tributyl phosphate	8200	TJN	ug/Kg		7.	66	126-73-8	08/13/12 09:24	08/16/12 17:49	1	
Unknown	16000	ТJ	ug/Kg		8.	52		08/13/12 09:24	08/16/12 17:49	1	
Unknown	2700	ΤJ	ug/Kg		9.	31		08/13/12 09:24	08/16/12 17:49	1	
Nonadecane, 9-methyl-	560	TJN	ug/Kg		10.	90	13287-24-6	08/13/12 09:24	08/16/12 17:49	1	
Docosane	730	TJN	ug/Kg		11.	12	629-97-0	08/13/12 09:24	08/16/12 17:49	1	
Heptacosane	1100	TJN	ug/Kg		11.	40	593-49-7	08/13/12 09:24	08/16/12 17:49	1	
Unknown	570	ΤJ	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 C	rganics - (G	C)									
Analyte	Result	Qualifier	RL	М	DL	Unit	D	Prepared	Analyzed	Dil Fac	
GRO (C4-C12)	ND		380	1	40	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 Org	anics (DRO)	(6C)									
Analyte	Result	Qualifier	RL	м	DL	Unit	D	Prepared	Analyzed	Dil Fac	
 C13-C22	35				7.0	mg/Ka		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

Molybdenum

Nickel

Selenium

Thallium

Zinc

Silver

Vanadium

4-Nitroaniline

### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

- Method: 6010B - Metals (IC	CP)								
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

2.0

2.0

2.0

10

1.0

5.0

1.0

0.20 mg/Kg

0.20 mg/Kg

1.0 mg/Kg

0.80 mg/Kg

0.30 mg/Kg

0.50 mg/Kg

0.80 mg/Kg

ND

8.4

ND

ND

24

37

ND

ND

Client Sample	ID: SB-22-3
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### Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Org	ganic Compou	nds (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

### Lab Sample ID: 440-20036-7

08/22/12 17:01

08/20/12 15:23

08/22/12 17:01

08/20/12 15:23

08/20/12 15:23

08/20/12 15:23

08/20/12 15:23

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/13/12 09:24

Matrix: Solid

1

08/16/12 13:37

830

90 ug/Kg

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-6 Matrix: Solid

5 5

5

5 5

5

5 5

5

5

5

5

5

5

5

5

RL

830

MDL Unit

140 ug/Kg

D

Prepared

08/13/12 09:24

Analyte

4-Nitrophenol

### Client Sample ID: SB-22-3 Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

### Lab Sample ID: 440-20036-7 Matrix: Solid

Analyzed

08/16/12 13:37

5

Dil Fac

1

	8
_	
	9

Acenaphthene	ND		330		60	ug/Kg		08/13/12 09:24	08/16/12 13:37	1
Acenaphthylene	ND		330	1	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	1	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	1	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
		• • • •		_						
Pentanona 4 hudrow 4 motified	Est. Result			<u> </u>		κι 	CAS NO.	Prepared	Analyzed	DII Fac
2-remanone, 4-nyuroxy-4-metnyi-	9200		ug/ng		2.	.40	125-42-2	00/13/12 09:24	00/10/12 13:3/	1
Inbutyi priospriate	550		ug/r\g		7.	51	120-13-0	00/13/12 09.24	00/10/12 13.3/	1
UIKIUWII	760	ı J	uy/ng		Ø.			00/13/12 09.24	00/10/12 13.3/	I
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
### TestAmerica Job ID: 440-20036-1

Lab Sample ID: 440-20036-7

Analyzed

08/16/12 13:37

08/16/12 13:37

08/16/12 13:37

Prepared

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

Matrix: Solid

Dil Fac

1

1

1

5

lient Sample ID: SB-22-	-3		
ate Collected: 08/10/12 11:22	2		
ate Received: 08/10/12 17:10	)		
Method: 8270C - Semivolati	le Organic Compou	nds (GC/MS	S) (Continued
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	60		30 - 120
Nitrobenzene-d5 (Surr) Terphenyl-d14 (Surr)	60 68		30 - 120 40 - 135

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	e Organics (DRO)	(GC)							

MDL Unit

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		10	0.80	ma/Ka		08/18/12 12:47	08/20/12 15:25	5

### Client Sample ID: SB-20-0.5

Date Collected: 08/10/12 13:10

### Lab Sample ID: 440-20036-8 Matrix: Solid

Date Received: 08/10/12 17:10

### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier F	L MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	330	0 500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Dichlorobenzene	ND	330	0 600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Diphenylhydrazine(as	ND	330	0 600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Azobenzene)								

**TestAmerica** Irvine 8/30/2012

Fluorene

Hexachlorobenzene

### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

### Lab Sample ID: 440-20036-8 Matrix: Solid

	9

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	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Bromophenyl phenyl ether	ND		3300	750	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chloro-3-methylphenol	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chloroaniline	ND		3300	1200	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chlorophenyl phenyl ether	ND		3300	850	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Nitroaniline	ND		8300	900	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Nitrophenol	ND		8300	1400	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Acenaphthene	ND		3300	600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Acenaphthylene	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Aniline	ND		4200	850	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Anthracene	ND		3300	800	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzidine	ND		6600	6600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]anthracene	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]pvrene	ND		3300	550	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzo[b]fluoranthene	ND		3300	500	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzola h ilpervlene	ND		3300	1100	ua/Ka		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	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzyl alcohol	ND		3300	2000	ua/Ka		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-ethylbeyy) phthalate	ND		3300	000	ug/Kg		08/13/12 00:24	08/16/12 18:09	5
Butyl benzyl obthalate			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
	ND		4200	1000	ug/Kg		08/13/12 00:24	08/16/12 18:09	5
Dibenzofuran			3300	000	ua/Ka		08/13/12 09:24	08/16/12 18:00	5
	םא חוא		3300	000	ug/Kg		08/13/12 09.24	08/16/12 19:00	5
			3300	900	ug/Kg		08/13/12 09.24	08/16/12 19:00	
			3300	000	ug/Kg		08/13/12 09.24	08/16/12 10:09	5
			3200	900	ug/Kg		08/13/12 09.24	00/10/12 10.09	5
	ND		3300	900	ug/Kg		08/13/12 09:24	00/10/12 18:09	5 
Fiuorantinene	ND		3300	700	uy/ng		00/13/12 09:24	00/10/12 18:09	5

08/13/12 09:24 08/16/12 18:09

08/16/12 18:09

08/13/12 09:24

5

5

3300

3300

700 ug/Kg

700 ug/Kg

ND

ND

RL

3300

8300

MDL Unit

600 ug/Kg

900 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

Hexachlorobutadiene

Hexachlorocyclopentadiene

### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

### Lab Sample ID: 440-20036-8 Matrix: Solid

Analyzed

08/16/12 18:09

08/16/12 18:09

5

Dil Fac

5

Hexachloroethane	ND		3300		650	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
ndeno[1,2,3-cd]pyrene	ND		3300		1300	ug/Ka		08/13/12 09:24	08/16/12 18:09	5
sophorone	ND		3300		600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
' Naphthalene	ND		3300		600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Vitrobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodi-n-propvlamine	ND		2500		700	ua/Ka		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	TJN	ug/Kg		2	.40	123-42-2	08/13/12 09:24	08/16/12 18:09	5
Tributyl phosphate	68000	TJN	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	ΤJ	ug/Kg		8	.53		08/13/12 09:24	08/16/12 18:09	5
Diphenyl phosphate	25000	TJN	ug/Kg		9	.31	838-85-7	08/13/12 09:24	08/16/12 18:09	5
Hexatriacontane	4000	TJN	ug/Kg		10	.91	630-6-8	08/13/12 09:24	08/16/12 18:09	5
1-Eicosene	4500	TJN	ug/Kg		11	.12	3452-7-1	08/13/12 09:24	08/16/12 18:09	5
Tritetracontane	6700	TJN	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 Or	ganics - (G	C)								
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 Orga	nics (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

Copper

Molybdenum

Lead

Nickel

Selenium

Thallium

Zinc

Silver

Vanadium

4-Chloroaniline

4-Nitroaniline

4-Chlorophenyl phenyl ether

3-Methylphenol + 4-Methylphenol

### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 6010B - Metals (IC	P)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Antimony	1.7	J	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:27
Arsenic	3.3		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:27
Barium	90		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27
Beryllium	ND		0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27
Cadmium	0.45	J	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27
Chromium	10		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27
Cobalt	5.2		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27
Copper	22		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:27

2.0

2.0

2.0

2.0

9.8

0.98

4.9

0.98

0.49

0.20

0.20

0.29

mg/Kg

mg/Kg

mg/Kg

mg/Kg

0.98 mg/Kg

0.78 mg/Kg

0.49 mg/Kg

0.78 mg/Kg

12

ND

11

ND

ND

23

57

ND

ND

ND

ND

ND

### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02

### Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile C	Organic Compou	inds (GC/MS	5)						
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	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Azobenzene)									
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

Matrix: Solid

08/20/12 15:27

08/22/12 17:14

08/20/12 15:27

08/22/12 17:14

08/20/12 15:27

08/20/12 15:27

08/20/12 15:27

08/20/12 15:27

Lab Sample ID: 440-20036-10

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

# Lab Sample ID: 440-20036-8 Matrix: Solid

5

5

5 5

5

5 5

5

5

5

5

5

5

5

5

Dil Fac 5

250

250

250

250

08/16/12 18:30

08/16/12 18:30

08/16/12 18:30

08/16/12 18:30

160000

160000

160000

410000

60000 ug/Kg

42000 ug/Kg

40000 ug/Kg

45000 ug/Kg

RL

410000

160000

MDL Unit

70000 ug/Kg

30000 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

4-Nitrophenol

Acenaphthene

### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

### Lab Sample ID: 440-20036-10 Matrix: Solid

Analyzed

08/16/12 18:30

08/16/12 18:30

Dil Fac

250

250

10			2	
	1			

2-Fluorobiphenyl	0	X	35 - 120				08/13/12 09:24	08/16/12 18:30	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diphenyl phosphate	2500000	TJN	ug/Kg	S	9.31	838-85-7	08/13/12 09:24	08/16/12 18:30	250
Unknown	350000	TJ	ug/Kg	ç	9.13		08/13/12 09:24	08/16/12 18:30	250
Unknown	19000000	TJ	ug/Kg	3	3.53		08/13/12 09:24	08/16/12 18:30	250
n-Octadecane	67000	J 	ug/Kg	٤	8.43	593-45-3	08/13/12 09:24	08/16/12 18:30	250
Tributyl phosphate	6200000	TJN	ug/Kg	7	7.66	126-73-8	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
	ND		100000	30000	uy/Ny		00/13/12 09.24	00/10/12 10:00	230
r yrana his (2-chloroisonronyl) ether	םא חוא		160000	40000	ug/Kg ug/Kg		08/13/12 09:24	08/16/12 18:30	200 250
Pyrene		•	160000	40000	ug/Kg		08/13/12 00.24	08/16/12 18:30	250
Phanol	G2000		160000	20000 25000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Phenanthrene	<b>ט</b> א חוא		410000	30000	ug/Ng		08/13/12 09.24	00/10/12 10.30	200
Pentachloronhenol			410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodiphenylamine			160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodi-n-propylamine			120000	35000	ug/Ka		08/13/12 09:24	08/16/12 18:30	250
Nitrobenzene			160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Naphthalene			160000	30000	ug/Ka		08/13/12 09:24	08/16/12 18:30	250
Isophorone			160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Indeno[1 2 3-cd]nyrene			160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachloroethane	םא חוא		160000	32000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Hexachlorocyclonentadiene	םא חוא		100000	30000	ug/Ng		08/13/12 09.24	00/10/12 10.30	200
Hexachlorobutadiene			160000	30000	ug/Kg		08/13/12 00.24	08/16/12 18:30	250
Hexachlorobenzene	םא חוא		160000	35000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Fluorene	םא חוא		160000	35000	ug/Ng		08/13/12 09.24	00/10/12 10.30	200
Eluoranthono			160000	40000	ug/Kg		08/13/12 09:24	08/16/12 10:30	200
	ND ND		160000	45000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
	ND		160000	32000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
Directly i phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND ND		210000	20000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND		160000	40000	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
Bis(2-chloroethyl)ether	ND		85000	30000	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
Benzyl alcohol	ND		160000	100000	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
Benzo[k]fluoranthene	ND		160000	35000	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[b]fluoranthene	ND		160000	25000	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[a]anthracene	ND		160000	35000	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
Anthracene	ND		160000	40000	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
Acenaphthylene	ND		160000	35000	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

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

### Lab Sample ID: 440-20036-10 Matrix: Solid

Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
2-Fluorophenol (Surr)         0         X         25 - 120         08/13/12 09:24         08/	6/12 18:30 250
2,4,6-Tribromophenol (Surr) 0 X 35 - 125 08/13/12 09:24 08/	6/12 18:30 250
Nitrobenzene-d5 (Surr) 0 X 30 - 120 08/13/12 09:24 08/	6/12 18:30 250
Terphenyl-d14 (Surr) 0 X 40 - 135 08/13/12 09:24 08/	6/12 18:30 250
Phenol-d6 (Surr)         0 X         35 - 120         08/13/12 09:24         08/	6/12 18:30 250
- Method: 8015B - Gasoline Range Organics - (GC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
GRO (C4-C12)         230         J         380         140         ug/Kg         08/	7/12 03:30 1
Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
4-Bromofluorobenzene (Surr)         47         X         65 - 140         08/	7/12 03:30 1
- Method: 8015B - Diesel Range Organics (DRO) (GC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
C13-C22 13000 1500 1000 mg/Kg 08/15/12 09:03 08/1	7/12 14:13 60
C23-C40 ND 1500 mg/Kg 08/15/12 09:03 08/1	7/12 14:13 60
Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
n-Octacosane 132 40 - 140 08/15/12 09:03 08/	7/12 14:13 60
Method: 7199 - Chromium, Hexavalent (IC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
Cr (VI) ND 2.0 1.5 mg/Kg 08/16/12 15:44 08/ 	7/12 12:42 10
Method: 6010B - Metals (ICP)	
Analyte Result Qualifier RL MDL Unit D Prepared	nalyzed Dil Fac
Antimony 1.0 J 9.9 0.87 mg/Kg 08/18/12 12:47 08/2	.0/12 15:29 5
Arsenic         3.2         2.0         0.80 mg/Kg         08/18/12 12:47         08/2	.0/12 15:29 5
Barium 64 0.99 0.79 mg/Kg 08/18/12 12:47 08/2	.0/12 15:29 5
Beryllium 0.20 J 0.49 0.20 mg/Kg 08/18/12 12:47 08/2	0/12 15:29 5
Cadmium 0.41 J 0.49 0.20 mg/Kg 08/18/12 12:47 08/2	:0/12 15:29 5
Chromium 10 0.99 0.30 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Cobalt 5.2 0.99 0.30 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Copper 16 2.0 0.37 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Lead 6.4 2.0 0.49 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Molvbdenum ND 2.0 0.20 mg/Kg 08/18/12 12:47 08/2	2/12 17:15 5
Nickel 8.5 2.0 0.20 mg/Kg 08/18/12 12:47 08/2	0/12 15:29 5
Selenium 13 LBA 20 0.99 mg/Kg 08/18/12 12:47 08/2	2/12 17:15 5
ND         9.9         0.79         mg/Kg         08/18/12 12:47         08/2	
Haman 0.0 0.70 Highty 00/10/12/12.47 00/2	0/12 15:29 5
Vanadium 23 0.99 0.30 mg/Kg 08/18/12.12:47 08/2	20/12 15:29 5 0/12 15:29 5

### Client Sample ID: SB-20-5

Silver

Date Collected: 08/10/12 15:20

### Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Orga	anic Compou	nds (GC/MS	5)						
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

0.99

0.79 mg/Kg

64 ND

Matrix: Solid

08/20/12 15:29

Lab Sample ID: 440-20036-11

5

08/18/12 12:47

### Client Sample ID: SB-20-5 Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

### Lab Sample ID: 440-20036-11 Matrix: Solid

10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Azobenzene)									
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	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Chlorophenyl phenyl ether	ND		82000	21000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
3-Methylphenol + 4-Methylphenol	ND		82000	20000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Nitroaniline	ND		210000	22000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Nitrophenol	ND		210000	35000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
Acenaphthene	ND		82000	15000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
Acenaphthylene	ND		82000	17000	ua/Ka		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	ua/Ka		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
Benzolalanthracene			82000	17000	ug/Kg		08/24/12 13:40	08/27/12 06:30	250
Benzo[a]ovrene			82000	1/000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bonzo[b]fluoranthono	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzola h ilpopulopo			82000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[k]fluoranthana			82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bonzoic acid	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
			82000	50000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
			82000	17000	ug/Kg		08/24/12 13:49	08/27/12 00:30	250
Bis(2-chloroethoxy)methane	ND		62000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-critoroeuryr)ether			42000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	200
Bis(2-ethylnexyl) phthalate	ND		82000	22000	ug/Kg		00/24/12 13:49	00/27/12 00:30	250
	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		100000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	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

RL

82000

82000

82000

MDL Unit

17000 ug/Kg

17000 ug/Kg

15000 ug/Kg

D

Prepared

08/24/12 13:49

08/24/12 13:49

08/24/12 13:49

Analyte

Fluorene

Hexachlorobenzene

Hexachlorobutadiene

### Client Sample ID: SB-20-5 Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

### Lab Sample ID: 440-20036-11 Matrix: Solid

Analyzed

08/27/12 06:30

08/27/12 06:30

08/27/12 06:30

5

Dil Fac

250

250

250

9

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	TJN	ug/Kg		7	.89	126-73-8	08/24/12 13:49	08/27/12 06:30	250
Unknown	2600000	ΤJ	ug/Kg		8	.76		08/24/12 13:49	08/27/12 06:30	250
Unknown	98000	ΤJ	ug/Kg		g	.34		08/24/12 13:49	08/27/12 06:30	250
Diphenyl phosphate	410000	TJN	ug/Kg		g	.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 Rang	e Organics - (G	C)								
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 (	Drganics (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

			Lah Camp		026 40
Surrogate n-Octacosane	<u>%Recovery</u> <u>Qualifier</u>	Limits 40 - 140	Prepared 08/23/12 12:19	Analyzed 08/25/12 20:34	Dil Fac

### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Orga	anic Compou	nds (GC/MS	5)						
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

Matrix: Solid

RL

3300

3300

MDL Unit

600 ug/Kg

600 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

1,2-Dichlorobenzene

1,2-Diphenylhydrazine(as

### **Client Sample ID: Dup-1** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-12 Matrix: Solid

Analyzed

08/16/12 18:51

08/16/12 18:51

5

Dil Fac

5

Azobenzene)							
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: MWH Americas Inc Project/Site: GE duarte

### **Client Sample ID: Dup-1** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-12

Matrix: Solid

5

Analyte	Result	Qualifier			MDL	Unit	D	Prepared	Analyzed	Dil Fa
Fluoranthene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Fluorene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorobutadiene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorocyclopentadiene	ND		8300		900	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachloroethane	ND		3300		650	ug/Kg		08/13/12 09:24	08/16/12 18:51	
ndeno[1,2,3-cd]pyrene	ND		3300		1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	
sophorone	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Japhthalene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
litrobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
I-Nitrosodi-n-propylamine	ND		2500		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
I-Nitrosodiphenylamine	ND		3300		800	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Pentachlorophenol	ND		8300		1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Phenanthrene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
henol	1400	J	3300		900	ug/Kg		08/13/12 09:24	08/16/12 18:51	
yrene	ND		3300		800	ug/Kg		08/13/12 09:24	08/16/12 18:51	
is (2-chloroisopropyl) ether	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
entatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil F
-Pentanone, 4-hydroxy-4-methyl-	9200	TJN	ug/Kg		2	.40	123-42-2	08/13/12 09:24	08/16/12 18:51	
ributyl phosphate	56000	TJN	ug/Kg		7	.68	126-73-8	08/13/12 09:24	08/16/12 18:51	
-Octadecane	800	J	ug/Kg		8	.45	593-45-3	08/13/12 09:24	08/16/12 18:51	
Inknown	150000	ΤJ	ug/Kg		8	.55		08/13/12 09:24	08/16/12 18:51	
Diphenyl phosphate	24000	TJN	ug/Kg		9	.33	838-85-7	08/13/12 09:24	08/16/12 18:51	
ritetracontane	3800	TJN	ug/Kg		11	.43	7098-21-7	08/13/12 09:24	08/16/12 18:51	
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Fluorobiphenyl	68		35 - 120					08/13/12 09:24	08/16/12 18:51	
-Fluorophenol (Surr)	66		25 - 120					08/13/12 09:24	08/16/12 18:51	
,4,6-Tribromophenol (Surr)	83		35 - 125					08/13/12 09:24	08/16/12 18:51	
litrobenzene-d5 (Surr)	64		30 - 120					08/13/12 09:24	08/16/12 18:51	
ērphenyl-d14 (Surr)	91		40 _ 135					08/13/12 09:24	08/16/12 18:51	
Phenol-d6 (Surr)	76		35 - 120					08/13/12 09:24	08/16/12 18:51	
Aethod: 8015B - Gasoline Range	e Organics - (G	C)								
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil F
GRO (C4-C12)	ND		370		140	ug/Kg			08/15/12 19:24	
urrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Bromofluorobenzene (Surr)	72		65 - 140						08/15/12 19:24	
lethod: 8015B - Diesel Range O	rganics (DRO)	(GC)								
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil F
:13-C22	230		30		21	mg/Kg	_	08/15/12 09:03	08/18/12 00:33	
23-C40	240		30		21	mg/Kg		08/15/12 09:03	08/18/12 00:33	
urrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Octacosane	79		40 - 140					08/15/12 09:03	08/18/12 00:33	
lethod: 7199 - Chromium, Hexa	valent (IC)									
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil I
2r (\/l)	ЛИ		2.0		15	ma/Ka		08/16/12 15:44	08/17/12 12:54	

### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 6010B - Metals (ICP)

Analyte

Antimony

							Matri	x: Solid
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.4	J	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
20		20	0 79	ma/Ka		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	J8/20/12 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** Date Collected: 08/10/12 00:01

### Date Received: 08/10/12 17:10

....

4-Nitroaniline

Method: 8270C - Semivolatile Org	janic Compou	nds (GC/MS	)	MD	11	_	December	Amelianad	D!!
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	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Azobenzene)									
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

TestAmerica Job ID: 440-20036-1

## Lab Sample ID: 440-20036-12

### Lab Sample ID: 440-20036-13 Matrix: Solid

250

08/16/12 19:12

08/13/12 09:24

410000

45000 ug/Kg

ND

RL

410000

160000

MDL Unit

70000 ug/Kg

30000 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Client: MWH Americas Inc Project/Site: GE duarte

Analyte

4-Nitrophenol

Acenaphthene

### **Client Sample ID: Dup-2** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-13 Matrix: Solid

Analyzed

08/16/12 19:12

08/16/12 19:12

5

Dil Fac

250

250

250	
250	
250	
250	
250	
250	
250	
250	
250	
250	
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	TJN	ug/Kg		7	7.66	126-73-8	08/13/12 09:24	08/16/12 19:12	250
n-Octadecane	44000	J	ug/Kg		8	3.43	593-45-3	08/13/12 09:24	08/16/12 19:12	250
Unknown	15000000	ΤJ	ug/Kg		8	3.53		08/13/12 09:24	08/16/12 19:12	250
Unknown	170000	ΤJ	ug/Kg		g	9.16		08/13/12 09:24	08/16/12 19:12	250
Diphenyl phosphate	1800000	TJN	ug/Kg		g	9.31	838-85-7	08/13/12 09:24	08/16/12 19:12	250
Surrogate	%Recovery	Qualifier	l imits					Prenared	Analyzed	Dil Fac

250

08/16/12 19:12

08/13/12 09:24

35 - 120

0 X

### 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

5

Method: 8270C - Semivolatile Org	ganic Compou	nds (GC/M	S) (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 - (G	C)							
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 O	rganics (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, Hexay	valent (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
					0 0				

### Client Sample ID: EB-081012

Date Collected: 08/10/12 15:28

Date Received: 08/10/12 17:10
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Method: 8270C - Semivolatile	Organic Compounds (GC/MS)							
Analyte	Result Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	9.6	2.4 u	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,2-Dichlorobenzene	ND	9.6	2.9 u	ug/L		08/16/12 15:58	08/20/12 05:11	1

Matrix: Water

Lab Sample ID: 440-20036-14

### 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

IX: Water

Method: 8270C - Semivolatile Ord	anic Compounds (GC/MS) (	Continued)						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as	ND	19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Azobenzene)								
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	ua/L		08/16/12 15:58	08/20/12 05:11	1
Anthracene	ND *	9.6	2.4	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzidine	ND	19	9.6	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzolalanthracene	ND *	9.6	2.4	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzolalpyrene	ND	9.6	2.9	ua/l		08/16/12 15:58	08/20/12 05:11	1
Benzo[b]fluoranthene	ND	9.6	19	ua/l		08/16/12 15:58	08/20/12 05:11	1
Benzola h ilpervlene	ND	9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	
Benzo[k]fluoranthene	ND	9.6	24	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzoic acid	ND	19	96	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzyl alcohol	ND	19	33			08/16/12 15:58	08/20/12 05:11	· · · · · · · · · · · · · · · · · · ·
Bis/2-chloroethoxy/)methane	ND	9.6	2.0	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethyl)other	ND	9.0	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2 - othylboxyl) phthalata		9.0	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	· · · · · · · · · · · · · · · · · · ·
Butul bonzul phtholoto	ND	40	2.0	ug/L		00/10/12 15:50	08/20/12 05:11	1
	ND *	19	5.0 2.4	ug/L		00/10/12 15:50	08/20/12 05:11	1
		9.0	2.4	ug/L		08/10/12 15:58	08/20/12 05:11	
	UN * DN	19	2.9	ug/L		00/10/12 15:58	00/20/12 05:11	1
		9.0	3.ð	ug/L		00/10/12 15:58	00/20/12 05:11	1
Directly primate	<b>עוו</b> סוו	9.0	3.3	ug/L		00/10/12 15:58	00/20/12 05:11	۲ ۸
		9.6	2.4	ug/L		08/10/12 15:58	08/20/12 05:11	1
		19	2.9	ug/L		08/10/12 15:58	08/20/12 05:11	1
	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: MWH Americas Inc Project/Site: GE duarte

Cobalt

Copper

### 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

atrix: water

5

Method: 8270C - Semivolatile O	rganic Compou	nds (GC/N	IS) (Continue	d)					
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	ua/L		08/16/12 15:58	08/20/12 05:11	1
Nitrobenzene	ND		19	2.9	ua/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-Nitrosodiphenvlamine	ND	*	9.6	1.9	ua/L		08/16/12 15:58	08/20/12 05:11	1
Pentachlorophenol	ND		19	3.3	ua/L		08/16/12 15:58	08/20/12 05:11	1
Phenanthrene	ND	*	9.6	3.3	g/=		08/16/12 15:58	08/20/12 05:11	1
Phenol	ND		9.6	1.0	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pyrene			0.0 Q A	י.ש א א	ua/I		08/16/12 15:58	08/20/12 05:11	1
his (2-chloroisonronyl) othor			9.0	3.0 2.4	ug/L		08/16/12 15.50	08/20/12 05.11	1
	ND		9.0	2.4	ug/L		00/10/12 13:30	00/20/12 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	%Recoverv	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Eluorobinhenvl							08/16/12 15:58	08/20/12 05:11	1
2-Eluorophenol (Surr)	58		30 - 120				08/16/12 15:58	08/20/12 05:11	1
2 4 6-Tribromonbenol (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
Ternbenyl-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
	02		00 - 120				00,70,72,70.00	00/20/12 00.11	,
Method: 8015B - Gasoline Rang	je Organics - (G	C)							
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	%Recoverv	Qualifier	Limits				Prepared	Analvzed	Dil Fac
4-Bromofluorobenzene (Surr)	<u>97</u>		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	Analvzed	Dil Fac
n-Octacosane			45 _ 120				08/15/12 13.18	08/15/12 23:37	1
	01		.5 - 120				20.10.12.10.10	20.10.12.20.07	,
Method: 6010B - Metals (ICP) - I	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	JB	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

1

1

08/15/12 21:46

08/15/12 21:46

08/14/12 07:59

08/14/12 07:59

0.010

0.010

0.0020 mg/L

0.0030 mg/L

ND

ND

### 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) -	<b>Dissolved</b> (Conti	nued)							
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

Lab Sample ID: 440-20036-1

Matrix: Solid

5 6

### Client Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:53	MP	TAL IRV

### 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

Lab Sample ID: 440-20036-6

Matrix: Solid

Matrix: Solid

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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	ТК	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:59	MP	TAL IRV

### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:01	MP	TAL IRV

### TestAmerica Irvine 8/30/2012

### Client Sample ID: SB-22-3

Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Fina	al	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Αποι	unt	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:12	MP	TAL IRV

### Client Sample ID: SB-20-0.5

### Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Lab Sample ID: 440-20	036-8
Matrix	c: Solid

Lab Sample ID: 440-20036-10

Matrix: Solid

-	Batch	Batch		Dil	Initial	Fin	al	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amo	unt	Number	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:14	MP	TAL IRV

### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Fina	al	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amou	unt	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:15	MP	TAL IRV

### Lab Sample ID: 440-20036-7

Matrix: Solid

Lab Sample ID: 440-20036-11

Lab Sample ID: 440-20036-12

Lab Sample ID: 440-20036-13

Matrix: Solid

Matrix: Solid

Matrix: Solid

# 2 3 4 5 6 7

### Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ТМ	TAL IRV
Total/NA	Analysis	8015B		20			47884	08/25/12 20:34	JR	TAL IRV

### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

### Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Туре Run Factor Amount Number or Analyzed Analyst Lab Total/NA Prep 3546 15.06 g 2 mL 44894 08/13/12 09:24 AG TAL IRV Total/NA 8270C 45705 08/16/12 18:51 TAL IRV Analysis 5 AI Total/NA Analysis 8015B 1 5.39 g 10 mL 45520 08/15/12 19:24 ΤL 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 3060A 1.25 g 50 mL 45897 08/16/12 15:44 СН TAL IRV Prep 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 ΤK TAL IRV Total/NA 6010B 47215 08/22/12 17:17 MP TAL IRV Analysis 5

### **Client Sample ID: Dup-2**

### Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			30.04 g	5 mL	46433	08/20/12 08:52	ТМ	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:19	MP	TAL IRV

<b>Client Samp</b>	le ID: EB-0	)81012						Lab Sample	e ID: 44	0-20036-14
Date Collected	: 08/10/12 15	5:28						-	L. L.	Matrix: Water
Date Received	: 08/10/12 17	:10								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1045 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV

### 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Client Sample ID: Method Blank** 

Analyzed

08/16/12 11:31

08/16/12 11:31

D

Prepared

08/13/12 09:24

08/13/12 09:24

Prep Type: Total/NA Prep Batch: 44894

Dil Fac

1

1

Lab Sample ID: MB 440-44894/1-A					
Matrix: Solid					
Analysis Batch: 45705					
	MB	МВ			
Analyte	Result	Qualifier	RL	MDL	Unit
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg
1,2-Dichlorobenzene	ND		330	60	ug/Kg
1,2-Diphenylhydrazine(as	ND		330	60	ug/Kg

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

1,2-Diphenylhydrazine(as	ND	330	60	ug/Kg	08/13/12 09:24	08/16/12 11:31	1
Azobenzene)			~~				
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- I richlorophenol	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)

MB MB

ND

Result Qualifier

Analysis Batch: 45705

Matrix: Solid

Di-n-butyl phthalate

Di-n-octyl phthalate

Hexachlorobenzene

Hexachloroethane

Isophorone

Naphthalene

Nitrobenzene

Hexachlorobutadiene

Indeno[1,2,3-cd]pyrene

N-Nitrosodi-n-propylamine

bis (2-chloroisopropyl) ether

N-Nitrosodiphenylamine

Pentachlorophenol

Phenanthrene

Phenol

Pyrene

Hexachlorocyclopentadiene

Fluoranthene

Fluorene

Analyte

Lab Sample ID: MB 440-44894/1-A

			Client Sample ID: Method Blank Prep Type: Total/NA							
					Prep Batc	h: 44894	5			
RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	7			
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	8			
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	9			
330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
250	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1				

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	9110	TJN	ug/Kg		2.45	123-42-2	08/13/12 09:24	08/16/12 11:31	1

MB			
Qualifier Limits	Prepared	Analyzed	Dil Fac
35 - 120	0 08/13/12 09:24	08/16/12 11:31	1
25 - 120	0 08/13/12 09:24	08/16/12 11:31	1
35 - 12	5 08/13/12 09:24	08/16/12 11:31	1
30 - 120	0 08/13/12 09:24	08/16/12 11:31	1
40 - 13	5 08/13/12 09:24	08/16/12 11:31	1
35 - 120	0 08/13/12 09:24	08/16/12 11:31	1
	MB Qualifier Limits 35 - 120 25 - 120 35 - 125 30 - 120 40 - 135 35 - 120	MB         Prepared           Qualifier         Limits         Prepared           35 - 120         08/13/12 09:24           25 - 120         08/13/12 09:24           35 - 125         08/13/12 09:24           30 - 120         08/13/12 09:24           40 - 135         08/13/12 09:24           35 - 120         08/13/12 09:24	MB         Prepared         Analyzed           35 - 120         08/13/12 09:24         08/16/12 11:31           25 - 120         08/13/12 09:24         08/16/12 11:31           35 - 125         08/13/12 09:24         08/16/12 11:31           30 - 120         08/13/12 09:24         08/16/12 11:31           40 - 135         08/13/12 09:24         08/16/12 11:31           35 - 120         08/13/12 09:24         08/16/12 11:31           30 - 120         08/13/12 09:24         08/16/12 11:31           40 - 135         08/13/12 09:24         08/16/12 11:31           35 - 120         08/13/12 09:24         08/16/12 11:31

### Lab Sample ID: LCS 440-44894/2-A Matrix: Solid

### Analysis Batch: 45705

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,4-Trichlorobenzene		2180		ug/Kg		65	40 - 120	
1,2-Dichlorobenzene	3330	2110		ug/Kg		63	40 - 120	
1,2-Diphenylhydrazine(as	3330	2190		ug/Kg		66	50 - 125	
Azobenzene)								
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	

### **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 44894

**Client Sample ID: Lab Control Sample** 

## 2 3 4 5 6 7 8 9 10 11 12

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-4489	4/2-A
Matrix: Solid	

Matrix: Solid					Prep Type: Total/NA
Analysis Batch: 45705					Prep Batch: 44894
	Spike	LCS	LCS		%Rec.
Analyte	Added	Result	Qualifier Unit	D %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

Lab Sample ID: 440-20036-7 MS

# 5 6 7

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A		Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 45705							Prep Batch: 44894
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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

	LCS	LCS	
Surrogate	%Recovery	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

Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 45705									Prep Batc	h: 44894
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	ND		3330	2120		ug/Kg		64	50 - 125	
Azobenzene)										
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	

### Client Sample ID: SB-22-3

Α

Lab Sample ID: 440-20036-7 MS

Client Sample ID: SB-22-3

Prep Type: Total/NA	
Prep Batch: 44894	
Rec.	
mits	
120	

					9

Method: 8270C -	Semivolatile Or	rganic Com	pounds (	(GC/MS)	(Continued)
		game com	pounds		Continucu

Matrix: Solid									Prep Type: Total/N
Analysis Batch: 45705									Prep Batch: 4489
-	Sample	Sample	Spike	MS	MS				• %Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		ua/Ka		69	50 - 125
Dimethyl phthalate	ND		3330	2130		ug/Kg		64	45 - 125
Di-n-butyl phthalate	ND		3330	2010		ua/Ka		60	50 - 125
Di-n-octvl phthalate	ND		3330	2140		ua/Ka		64	50 - 135
Fluoranthene	ND		3330	1990		ug/Kg		60	45 - 120
Fluorene	ND		3330	2360		ua/Ka		71	50 - 120
Hexachlorobenzene	ND		3330	2220		ua/Ka		67	50 - 120
Hexachlorobutadiene	ND		3330	1940		ua/Ka		58	40 - 120
Hexachlorocyclopentadiene	ND		3330	1350		ua/Ka		41	20 - 125
Hexachloroethane	ND		3330	1760		ua/Ka		53	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2290		ua/Ka		69	20 - 130
Isophorone	ND		3330	1920		ua/Ka		58	40 - 120
Naphthalene	ND		3330	1800		ua/Ka		54	40 - 120
Nitrobenzene	ND		3330	1850		ua/Ka		56	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2000		ua/Ka		60	35 - 120
N-Nitrosodiphenylamine	ND		3330	2220		ua/Ka		67	45 - 125
Pentachlorophenol	ND		3330	2280		ua/Ka		69	30 - 120
Phenanthrene	ND		3330	2360		ua/Ka		71	50 - 120
Phenol	ND		3330	2120		ua/Ka		64	40 - 120
Pyrene	ND		3330	1960		ua/Ka		59	40 - 125
his (2-chloroisopropyl) ether			3330	1860		ua/Ka		56	40 120
				1000					10 - 120
	MS	MS							
Surrogate	%Recovery	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						

Lab Sample ID: 440-20036-7 MSD Matrix: Solid								С	lient Samp Prep	ole ID: SI Type: To	B-22-3 tal/NA
Analysis Batch: 45705	0	0	0	MOD	MOD				Prep	Batch:	44894
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	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		ua/Ka		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		ua/Ka		57	20 - 120	2	30
4-Chlorophenyl phenyl ether	ND		3330	2670		ua/Ka		80	50 - 120	6	25
3-Methylphenol + 4-Methylphenol	ND		3330	2330		ua/Ka		70	50 - 120	5	25
4-Nitroaniline	ND		3330	2090		ua/Ka		63	40 - 125	4	30
4-Nitrophenol	ND		3330	2290		ua/Ka		69	35 - 125	22	30
Acenaphthene	ND		3330	2340		ua/Ka		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
Benzolalanthracene	ND		3330	2550		ua/Ka		77	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2320		ug/Kg		70	45 - 125	1	25
Benzo[b]fluoranthene	ND		3330	2630		ua/Ka		79	45 - 125	1	30
Benzola.h.ilpervlene	ND		3330	3330		ua/Ka		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		ua/Ka		60	45 - 120	9	25
Bis(2-chloroethyl)ether	ND		3330	1940		ua/Ka		58	35 - 110	10	25
Bis(2-ethylhexyl) phthalate	ND		3330	2760		ug/Ka		83	45 - 130	4	25
Butyl benzyl phthalate	ND		3330	2330		ua/Ka		70	45 - 125	5	25
Chrysene	ND		3330	2220		ua/Ka		67	55 - 120	5	25
 Dibenz(a.h)anthracene	ND		3330	2910		ua/Ka		87	25 - 135	2	30
Dibenzofuran	ND		3330	2160		ua/Ka		65	50 - 120	- 7	25
Diethyl phthalate	ND		3330	2400		ug/Ka		72	50 - 125	5	25
Dimethyl phthalate	ND		3330	2240		ug/Kg		67	45 - 125	5	25

MSD MSD

2070

2230

2030

2480 2280

Result Qualifier

Unit

ug/Kg

Spike

Added

3330

3330

3330

3330

3330

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Sample Sample

ND

ND

ND

ND

ND

Result Qualifier

Analysis Batch: 45705

Matrix: Solid

Di-n-butyl phthalate

Di-n-octyl phthalate

Hexachlorobenzene

Fluoranthene

Fluorene

Analyte

Lab Sample ID: 440-20036-7 MSD

Client Sample ID: SB-22-3

Prep Type: Total/NA

Prep Batch: 44894

RPD

3

10

11

2

7

11

11

7

2

3

3

10

3

9

# 7

RPD

Limit

25

30

30

30

25

25

25

25

25

25

25

25

30

25

67	50 - 135	4	25
61	45 - 120	2	25
74	50 - 120	5	25
69	50 - 120	3	25
65	40 - 120	11	25

%Rec.

Limits

50 - 125

ug/Kg	67	50 - 135	4
ug/Kg	61	45 - 120	2
ug/Kg	74	50 - 120	5
ug/Kg	69	50 - 120	3
ug/Kg	65	40 - 120	11

%Rec

62

D

Hexachlorobutadiene	ND	3330	2160	ug/Kg	65	40 - 120
Hexachlorocyclopentadiene	ND	3330	1490	ug/Kg	45	20 - 125
Hexachloroethane	ND	3330	1970	ug/Kg	59	35 - 120
Indeno[1,2,3-cd]pyrene	ND	3330	2340	ug/Kg	70	20 - 130
Isophorone	ND	3330	2050	ug/Kg	62	40 - 120
Naphthalene	ND	3330	2010	ug/Kg	60	40 - 120
Nitrobenzene	ND	3330	2080	ug/Kg	62	40 - 120
N-Nitrosodi-n-propylamine	ND	3330	2140	ug/Kg	64	35 - 120
N-Nitrosodiphenylamine	ND	3330	2270	ug/Kg	68	45 - 125
Pentachlorophenol	ND	3330	2340	ug/Kg	70	30 - 120
Phenanthrene	ND	3330	2430	ug/Kg	73	50 - 120
Phenol	ND	3330	2330	ug/Kg	70	40 - 120
Pyrene	ND	3330	2030	ug/Kg	61	40 - 125
bis (2-chloroisopropyl) ether	ND	3330	2030	ug/Kg	61	40 - 120
	MSD MSD					

	III OD	MIGD	
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

### **Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 45901

**TestAmerica** Irvine 8/30/2012

Analysis Batch: 46371

Matrix: Water

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Prep Type: Total/NA Prep Batch: 45901

# 2 3 4 5 6

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

	MB	МВ							
Analyte	Result	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	ua/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	ua/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ua/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1.2.3-cd]pyrene	ND		20	3.5	ua/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			10	3.0	ua/l		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	· · 1
N-Nitrosodi-n-propylamine			-0	3.5	ua/l		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine			10	2.0	ua/l		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol			20	2.0 3.5	ua/l		08/16/12 15:58	08/19/12 22:16	· · · · · · · · · · · · · · · · · · ·
Phenanthrene			10	3.5	ua/l		08/16/12 15:58	08/19/12 22:16	1
Phenol			10	2.0	ua/l		08/16/12 15:58	08/19/12 22:16	י 1
	ND		10	2.0	~9, L		- 5, . 5, . E 10.00		

RL

10

10

D

Unit

ug/L

Limits

50 - 120

30 - 120

40 - 120

45 - 120

50 - 125

35 - 120

MDL Unit

4.0 ug/L

D

Prepared

08/16/12 15:58

08/16/12 15:58

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

MB MB

MB MB

8.41 TJN

MB MB

60

49

62

66

71

58

Qualifier

%Recovery

Est. Result Qualifier

ND

ND

**Result Qualifier** 

Analysis Batch: 46371

bis (2-chloroisopropyl) ether

Tentatively Identified Compound

Matrix: Water

Analyte

Pyrene

Tritetracontane

2-Fluorobiphenyl

Phenol-d6 (Surr)

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr) Terphenyl-d14 (Surr)

2,4,6-Tribromophenol (Surr)

Surrogate

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 45901

Dil Fac

1

2.5 ug/L		08/16/12 15:58	08/19/12 22:16	1	7
RT	CAS No.	Prepared	Analyzed	Dil Fac	0
10.52	7098-21-7	08/16/12 15:58	08/19/12 22:16	1	0
					9
		Prepared	Analvzed	Dil Fac	
		08/16/12 15:58	08/19/12 22:16	1	
		08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16	1 1	
		08/16/12 15:58 08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16 08/19/12 22:16	1 1 1	
		08/16/12 15:58 08/16/12 15:58 08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16 08/19/12 22:16 08/19/12 22:16	1 1 1 1	

### Lab Sample ID: LCS 440-45901/2-A Matrix: Water

Analysis Batch: 46371

Analysis Batch: 46371							Prep Ba	atch: 45901
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	100	61.3		ug/L		61	60 - 120	
Azobenzene)								
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	

Lab Sample ID: LCS 440-45901/2-A

**Client Sample ID: Lab Control Sample** 

# 2 3 4 5 6 7

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	7
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### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water									Prep Type: Total/NA
Analysis Batch: 46371									Prep Batch: 45901
			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%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
						-			
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						

	LCS	LCS	
Surrogate	%Recovery	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	Client Sample ID: Lab Control Sample Dup Pren Type: Total/N4										
Matrix: water							Prep	ype: Io			
Analysis Batch: 463/1	0 11	1.000	1.000				Prep	Batch:	45901		
Analyte	Spike	Result	Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit		
1 2 4-Trichlorobenzene	100	48.1		_ <u>ua/l</u>		48	45 120		20		
1 2-Dichlorobenzene	100	44.0		ua/l		44	40 - 120	1	25		
1 2-Dinhenvlhydrazine/as	100	64.6		ug/L		65	60 - 120	5	25		
Azobenzene)		0.110					001120	Ū	20		
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		ua/L		64	55 - 120	1	25		
4-Chlorophenyl phenyl ether	100	57.0	*	ua/L		57	65 - 120	2	20		
3-Methylphenol + 4-Methylphenol	100	59.9		ua/L		60	50 - 120	3	20		
4-Nitroaniline	100	66.9		ua/L		67	55 - 125	8	20		
4-Nitrophenol	100	68.5		ua/L		68	45 - 120	14	30		
Acenaphthene	100	63.0		ua/L		63	60 - 120	10	20		
Acenaphthylene	100	65.8		ua/L		66	60 - 120	8	20		
Aniline	100	64.3		ua/L		64	35 - 120	1	30		
Anthracene	100	64.8		ua/L		65	65 - 120	7	20		
Benzidine	100	63.3		ug/L		63	30 - 160	1	35		
Benzolalanthracene	100	64.6		ua/L		65	65 - 120	7	20		
Benzolajpyrene	100	65.8		ua/L		66	55 - 130	9	25		
Benzo[b]fluoranthene	100	65.4		ua/L		65	55 - 125	5	25		
Benzola, h. ilpervlene	100	81.3		ua/L		81	45 - 135	8	25		
Benzo[k]fluoranthene	100	67.8		ua/L		68	50 - 125	8	20		
Benzoic acid	100	63.5		ua/L		63	25 - 120	9	30		
Benzyl alcohol	100	65.4		ua/L		65	50 - 120	2	20		
Bis(2-chloroethoxy)methane	100	62.6		ua/l		63	55 - 120	5	20		
Bis(2-chloroethyl)ether	100	57.8		ua/L		58	50 - 120	0	20		
Bis(2-ethylhexyl) phthalate	100	61.9	*	ua/L		62	65 - 130	9	20		
Butyl benzyl phthalate	100	68 1		ua/L		68	55 - 130	8	20		
Chrysene	100	65.5		ua/L		66	65 - 120	7	20		
Dibenz(a,h)anthracene	100	62.0		ua/l		62	50 _ 135	6	25		
Dibenzofuran	100	63 5	*	ua/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		Client Sample ID: Lab Control Sample Du							
Matrix: Water				Prep 1	ype: To	tal/NA			
Analysis Batch: 46371							Prep	Batch:	45 <mark>90</mark> 1
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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

	MB	мв							
Analyte	Result	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	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Azobenzene)									
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

**Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 47570

Matrix: Solid

Lab Sample ID: MB 440-47570/1-A

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

# 5

	2	

Mothod: 8270C - 9	Somivolatilo Organic	Compounde	(CC/MS)	(Continued)
	Sennivolatile Organit	compounds		(Continueu)

Analysis Batch: 47938	MD	MD						Prep Batcl	n: <b>47570</b>
Amelia	NID De serité		D.	MDI	11		Description	A	D!!
	Result	Qualifier		MDL	Unit	<u>D</u>	Prepared	Analyzed	
	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
	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	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Indeno[1.2.3-cd]pvrene	ND		330	130	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Isophorone	ND		330	60	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Naphthalene	ND		330	60	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Nitrobenzene	ND		330	70	ug/Ka		08/24/12 07.27	08/27/12 02:40	· · · · · · · · · · · · · · · · · · ·
N-Nitrosodi-n-propylamine	ND		250	70	ug/Ka		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodiphenylamine			330	80	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Pentachloronhenol			830	150	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Phenanthrene	חוא		330	001	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenol	םאי סאי		330	00	ug/Kg		08/24/12 07.27	08/27/12 02:40	1
	ND		330	90	ayny		00/24/12 01.21	00/21/12 02.40	I

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A

**Client Sample ID: Method Blank** 

Matrix: Solid								Prep Type: 1	Total/NA	
Analysis Batch: 47938								Prep Batch	n: 47570	
	MB	MB								Þ
Analyte	Result	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	
	МВ	МВ								
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac	
Butane, 2-methoxy-2-methyl-	1190	TJN	ug/Kg		1.60	994-5-8	08/24/12 07:27	08/27/12 02:40	1	C
Unknown	7720	ΤJ	ug/Kg		2.95		08/24/12 07:27	08/27/12 02:40	1	
1-Eicosanol	299	TJN	ug/Kg		10.65	629-96-9	08/24/12 07:27	08/27/12 02:40	1	
	МВ	МВ								
Surrogate	%Recovery	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						c	lient Sample I	D: Lab Control	Sample	
Matrix: Solid								Prep Type: 1	Total/NA	
Analysis Batch: 48139								Prep Batcl	n: <b>47570</b>	

Analysis Baton. 40100	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	3330	2220		ug/Kg		67	50 _ 125	
Azobenzene)								
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	

**Client Sample ID: Lab Control Sample** 

# 2 3 4 5 6 7 8 9 10 11

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID:	LCS 440-47570/2-A
Matrix: Solid	

Matrix: Solid							Prep Type: Total/NA	
Analysis Batch: 48139							Prep Batch: 4757	
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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

# 2 3 4 5 - 6

Method: 8270C - Semivolatile Organic Compounds	(GC/MS) (Continued)

Lab Sample ID: 440-21307-A- Matrix: Solid	1-A MS							Client	Sample ID Prep T	: Matrix Spike ype: Total/NA
Analysis Batch. 47930	Sample	Sampla	Spiko	ме	MS				%Pee	Datch: 4/5/0
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	JF	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		ua/Ka		69	40 - 120	
2-Methylnaphthalene	ND		3330	2360		ua/Ka		71	40 - 120	
2-Methylphenol	ND		3330	2380		ua/Ka		71	40 - 120	
2-Nitroaniline	ND		3330	2680		ua/Ka		80	45 - 120	
2-Nitrophenol	ND		3330	2340		ua/Ka		70	40 - 120	
3 3'-Dichlorobenzidine	ND		3330	2050		ua/Ka		62	20 130	
3-Nitroaniline	ND		3330	2170		ua/Ka		65	30 120	
4 6-Dinitro-2-methylphenol			3330	1750		ug/Kg		52	35 120	
4-Bromonbenyl phenyl ether			3330	2500		ug/Kg		75	45 120	
4-Chloro-3-methylphenol			3330	2690		ug/Kg		81	50 125	
			3330	1820		ug/Kg		55	20 120	
			3330	2730		ug/Kg		82	50 120	
3 Methylphonel + 4 Methylphonel			3330	27500		ug/Kg		75	50 120	
4 Nitroapiline			3330	2500		ug/Kg		79	10 - 120 10 - 125	
4 Nitrophonol			3330	2090		ug/Kg		84	40 - 12J 35 125	
			2220	2000		ug/Kg		70	45 120	
Acenaphthylana			2220	2530		ug/Kg		70	45 - 120	
			2220	2040		ug/Kg		70 60	40 - 120	
Anthreesens			3330	2300		ug/Kg		09	20 - 120	
Antinacene			3330	2040		ug/Kg		70	55 - 120 20 - 120	
			3330	131		ug/Kg			20 - 120	
	ND		3330	2420		ug/Kg		73	50 - 120	
Benzolajpyrene	ND		3330	2520		ug/Kg		76	45 - 125	
Benzo[b]fluoranthene	ND		3330	2590		ug/Kg		/8	45 - 125	
Benzo[g,h,I]perylene	ND		3330	2830		ug/Kg		85	25 - 130	
	ND		3330	2650		ug/Kg		79	45 - 125	
Benzoic acid	ND		3330	319	JF	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	
# Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 47570

Lab Sample ID: 440-21307-A-1-A MS	
Matrix: Solid	

									i top typet tetastat
Analysis Batch: 47938									Prep Batch: 47570
	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

	MS	MS	
Surrogate	%Recovery	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									Prep	Batch:	47570
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	ND		3330	2240		ug/Kg		67	50 - 125	10	25
Azobenzene)											
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	JF	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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

# 5 6 7 8 9 10 11 12

Method: 8270C - Semivolatile Organic Compounds (C	GC/MS) (Continued)
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Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid

Matrix: Solid									Prep 1	ype: To	al/NA
Analysis Batch: 47938	Sample	Sample	Spike	MSD	MSD				Prep %Rec.	Batch:	47570 RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	JF	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 Matrix: Solid	-1-B MSD						Client Sa	ample IC	): Matrix Sp Prep T	oike Dup	olicate
Analysis Batch: 47938									Prep	Batch:	47570
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									
Surrogate	%Recovery	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 Matrix: Solid	)/4										Client S	Sample ID:	Method	Blank
Analysis Batch: 45520												Перт	ype. io	
Analysis Datch. 40020		мв	мв											
Analyte	Re	sult	Qualifier	RL		MDL	Unit		D	Р	repared	Analvz	ed	Dil Fac
GRO (C4-C12)		ND		400		150	ug/Kg				•	08/15/12	15:06	1
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limits						P	repared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		98		65 - 140					-			08/15/12	15:06	1
_ Lab Sample ID: LCS 440-4552	0/2								Cli	ent	Sample	e ID: Lab Co	ontrol S	ample
Matrix: Solid												Prep T	vpe: To	tal/NA
Analysis Batch: 45520														
				Spike	LCS	LCS						%Rec.		
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
GRO (C4-C12)				1600	1480			ug/Kg		_	92	70 - 135		
	LCS	LCS												
Surrogate	%Recovery	Qual	lifier	Limits										
4-Bromofluorobenzene (Surr)	107			65 - 140										
- Lab Sample ID: LCSD 440-455	520/3							Cli	ient S	Sam	ple ID:	Lab Contro	I Samp	e Dup
Matrix: Solid											· · · ·	Prep T	ype: To	tal/NA
Analysis Batch: 45520														
-				Spike	LCSD	LCS	D					%Rec.		RPD
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
GRO (C4-C12)				1600	1520			ug/Kg		_	95	70 - 135	3	20
	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	107			65 - 140										

# Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20036-1 M Matrix: Solid	S								Clie	ent Sample Prep 1	ID: SB	-21-0.5
Analysis Batch: 45520										Ticpi	ype. ie	
Analysis Datch. 40020	Sample	Sample	Spike	MS	MS					%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
GRO (C4-C12)	ND		1470	1160		ug/Kg		_	79	60 - 140		
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	98		65 - 140									
Lab Sample ID: 440-20036-1 M Matrix: Solid	SD								Clie	ent Sample Prep 1	ID: SB ype: To	-21-0.5 otal/NA
Analysis Batch: 45520	Sample	Sample	Snike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit		п	%Rec	l imits	RPD	Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		_	68	60 - 140	8	30
	MSD	MSD										
Surrogate	%Recoverv	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	85		65 - 140									
Lab Sample ID: MB 440-45781	28								Client S	Sample ID:	Method	Blank
Matrix: Water										Prep 1	уре: То	tal/NA
Analysis Batch: 45781												
	_	MB MB					_	_			-	
Analyte	R	esult Qualifier	RL		MDL Unit		_ D	Р	repared	Analyz	ed	Dil Fac
GRU (C4-C12)		ND	50		25 UG/L					08/16/12	23:26	1
		MB MB										
Surrogate	%Reco	overy Qualifier	Limits					P	repared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		101	65 - 140							08/16/12	23:26	1
 Lab Sample ID: LCS 440-45781	/27						Clie	ent	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water										Prep 1	ype: To	tal/NA
Analysis Batch: 45781												
			Spike	LCS	LCS					%Rec.		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
GRO (C4-C12)			800	749		ug/L		_	94	80 - 120		
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	133		65 - 140									
Lab Sample ID: 440-20015-A-9	MSD						Client	t Sa	ample ID	D: Matrix Sp	oike Du	plicate
watrix: water										Prep 1	ype: fo	tai/NA
Analysis Batch: 45781	Sample	Sample	Spike	MSD	MSD					%Rec		RbU
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RbU	Limit
GRO (C4-C12)			800	654	quality			_		65 _ 140	13	
/												_5
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									

 4-Bromofluorobenzene (Surr)
 136
 65 - 140

# Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Analysis Batch: 45781       Sample       Sample       Spike       MS       MS       MS       MS       %Rec.         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec.       Limits
Sample       Sample       Spike       MS       MS       MS       %Rec.         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec.       Limits       65.140
Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec       Limits         GRO (C4-C12)       ND       MS       MS       MS       MS       65.140       65.140         MS
GRO (C4-C12)       ND       800       744       ug/L       93       65.140         MS       MS <t< td=""></t<>
MS       MS         Surrogate       %Recovery       Qualifier       Limits         4-Bromofluorobenzene (Surr)       125       65 - 140         Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank Prep Type: Total/NA         Matrix: Solid       Analysis Batch: 45841         Analyte       Result       Qualifier         Result       Qualifier       RL         MB       MB         GRO (C4-C12)       ND       400         MB       MB         Surrogate       %Recovery         4-Bromofluorobenzene (Surr)       99         99       65 - 140
Surrogate       %Recovery       Qualifier       Limits         4-Bromofluorobenzene (Surr)       125       65 - 140         Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank Prep Type: Total/NA         Matrix: Solid       MB MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       08/16/12 20:45       1
4-Bromofluorobenzene (Surr)       125       65-140         Lab Sample ID: MB 440-45841/4 Matrix: Solid       Client Sample ID: Method Blank Prep Type: Total/NA         Analysis Batch: 45841       MB       MB         Analyte       Result       Qualifier       RL 400       MDL 150       Unit       D       Prepared       Analyzed       Dil Fac 08/16/12 20:45         Surrogate       %Recovery       Qualifier       Limits 65-140       Prepared       Analyzed       Dil Fac 08/16/12 20:45
Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank         Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       MB       Unit       D       Prepared       Analyzed       Dil Fac         MB
Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank         Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB <td< td=""></td<>
Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       MB       MB         MB       MB       MB       MB       MB       D       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofiluorobenzene (Surr)       99       65 - 140       Limits       Prepared       Analyzed       Dil Fac
MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       MB       MB       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofluorobenzene (Surr)       99       65 - 140       08/16/12 20:45       1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacGRO (C4-C12)ND400150ug/Kg08/16/12 20:451MBMBMBPreparedAnalyzedDil Fac4-Bromofluorobenzene (Surr)9965 - 14008/16/12 20:451
Market     Model     Market     Market
MB       MB       MB         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofluorobenzene (Surr)       99       65 - 140       08/16/12 20:45       1
MB     MB       Surrogate     %Recovery     Qualifier     Limits       4-Bromofluorobenzene (Surr)     99     65 - 140     08/16/12 20:45     1
Surrogate     %Recovery     Qualifier     Limits     Prepared     Analyzed     Dil Fac       4-Bromofluorobenzene (Surr)     99     65 - 140     08/16/12 20:45     1
4-Bromofluorobenzene (Surr) 99 65 - 140 08/16/12 20:45
Lab Sample ID: LCS 440-45841/2 Client Sample ID: Lab Control Sample
Matrix: Solid Pren Type: Total/NA
Analysis Batch: 45841
Spike LCS LCS %Rec.
Analyte Added Result Qualifier Unit D %Rec Limits
GRO (C4-C12) 1600 1450 ug/Kg 91 70 - 135
Surrogate %Recovery Qualitier Limits
4-Bromonuorobenzene (Surr) 121 65 - 140
Lab Sample ID: LCSD 440-45841/3 Client Sample ID: Lab Control Sample Dur
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 45841
Spike LCSD LCSD %Rec. RPD
Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit
GRO (C4-C12)         1600         1460         ug/Kg         91         70 - 135         0         200
LUGU LUGU Surragata % Pacavany Qualifiar Limite
A-Bromofluorobenzene (Surr) 118 65 140
Lab Sample ID: 440-20268-E-3 MS Client Sample ID: Matrix Spike
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 45841
Sample Sample Spike MS MS %Rec.
Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits
GRO (C4-C12)         ND         1590         1280         ug/Kg         80         60 - 140
MS_MS
surronate %Recovery Qualifier Limits
4-Bromofluorobenzene (Surr) 100 65 - 140

# Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20268-E-3	MSD					Cli	ent S	ample II	D: Matrix Sp	oike Duj	
Analysis Batch: 45841									Fieh i	ype. io	
Analysis Datch. 43041	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1480	1260		ua/Ka		85	60 - 140	2	30
( )						5 5					
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		65 - 140								
Lab Sample ID: MB 440-47717	14							Client	Samplo ID:	Mothod	Blank
Matrix: Solid								Chent	Pron T	ivne: To	
Analysis Batch: 47717									Fieh i	ype. io	
Analysis Datch. 41111		МВ МВ									
Analyte	R	esult Qualifier	F	RL	MDL Unit	D	P	Prepared	Analyz	ed	Dil Fac
GRO (C4-C12)		ND 4	4	00	150 ug/Kg		·		08/24/12	18:19	1
( )					5.5						
		MB MB									
Surrogate	%Reco	overy Qualifier	Limits				F	Prepared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		101	65 - 140	)					08/24/12	18:19	1
	7/0							• Comul			
Lab Sample ID: LCS 440-4771	//2						Client	t Sample			ample
Matrix: Solid									Prep I	ype: to	tal/NA
Analysis Batch: 47717			Sniko	201	109				%Pec		
Analyte			bebbA	Result	Qualifier	Unit	п	%Rec	l imite		
GBO (C4-C12)			1600	1330				83	70 135		
			1000						101100		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	116		65 - 140								
	47/0					011-0-0			Lak Cantur		
Lab Sample ID: LCSD 440-477	17/3					Clien	it San	npie iD:	Lab Contro	Samp	
Matrix: Solid									Prep I	ype: to	tal/NA
Analysis Batch: 47717			Spiko	1.050	1.050				% Poc		DDD
Analuto			Addod	Bosult	Qualifier	Unit	п	% Pac	/inec.	חסס	Limit
GBO (C4-C12)			1600	1410	Quaimer			88	70 135	6	20
			1000	1410		~9,9		00	10-100	0	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	123		65 - 140								
Γ											
Lab Sample ID: 440-21161-A-1	MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep I	ype: Io	tal/NA
Analysis Batch: 47717	Sample	Somelo	Spike	ме	Me				% Bee		
Analyta	Sample	Gualifiar	Shike	MS Baawle	Nio	Unit	~	0/ Doo	MRec.		
			1400	1070	Quaimer			% <b>κεc</b>	60 140		
	ND		1490	1270		uy/ny		00	00 - 140		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	118		65 - 140								

-										_					
Lab Sample ID: 440-21161-A	-1 MSD									Clie	nt Sa	ample ID	: Matrix S	pike Du	plicat
Matrix: Solid													Prep	iype: io	otal/N/
Analysis Batch. 47717	Sample	Sam	ple	Spike		MSD	MSD	,					%Rec.		RPI
Analyte	Result	Qual	lifier	Added		Result	Qual	lifier	Unit		D	%Rec	Limits	RPD	Limi
GRO (C4-C12)				1480		1260			ua/Ka			86	60 - 140	1	3
									3/3						
	MSD	MSD	)												
Surrogate	%Recovery	Qua	lifier	Limits											
4-Bromofluorobenzene (Surr) _	114			65 - 140											
Mothod: 2015B Diosol B	ango Organ	lee													
	ange Organ	ics		(60)											
Lab Sample ID: MB 440-4552	25/1-A											<b>Client Sa</b>	ample ID:	Method	Blan
Matrix: Water													Prep <sup>-</sup>	Type: To	otal/NA
Analysis Batch: 45425													Prep	Batch:	4552
		MB	MB												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	P	repared	Analy	zed	Dil Fa
C13-C22		ND			0.50		0.10	mg/L			08/1	5/12 13:18	08/15/12	21:35	
C23-C40		ND			0.50		0.10	mg/L			08/1	5/12 13:18	08/15/12	21:35	
		ΜВ	МВ												
Surrogate	%Reco	overy	Qualifier	Limit	ts						Р	repared	Analy	zed	Dil Fa
n-Octacosane		75		45 - 1	120						08/1	5/12 13:18	08/15/12	21:35	
- Lab Sample ID: LCS 440-455	25/2-4									C	liont	Sample	ID: Lah C	ontrol S	ample
Matrix: Water										Ŭ	non	Campio	Pren	Type: To	tal/N/
Analysis Batch: 45425													Prer	Batch:	4552
Analysis Batch. 40420				Spike		LCS	LCS						%Rec.	Daten.	40020
Analyte				Added		Result	Qual	lifier	Unit		D	%Rec	Limits		
C10-C28				1.00		0.775			mg/L			78	40 - 115		
	105	100													
Surrogate	%Recoverv	Qua	lifier	Limits											
n-Octacosane	80			45 - 120											
- - - 1 - 1:000 - 1:000 - 1:000											~				
Lab Sample ID: LCSD 440-45	525/3-A								C	lient	Sam	iple ID: L	ab Contro	o Samp	ie Dup
													Prep	iype: To	otal/NA
Matrix: Water													_		
Matrix: Water Analysis Batch: 45425				0		1.005	1.00	-					Prep	Batch:	4552
Matrix: Water Analysis Batch: 45425				Spike		LCSD	LCS	D	11-11		_	% <b>D</b>	Prep %Rec.	Batch:	4552 RPI

LCSDLCSDSurrogate%RecoveryQualifiern-Octacosane7945 - 120

Lab Sample ID: MB 440-46433/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Prep Batch: 46433 Analysis Batch: 46446 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac C13-C22 5.0 08/20/12 08:52 08/20/12 19:06 ND 3.5 mg/Kg 1 C23-C40 ND 5.0 3.5 mg/Kg 08/20/12 08:52 08/20/12 19:06 1 MB MB Qualifier Prepared Dil Fac Surrogate %Recovery Limits Analyzed 40 - 140 08/20/12 08:52 08/20/12 19:06 n-Octacosane 65 1

# Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46	433/2-A									С	lient	Sample	ID: Lab Contr	ol Sam
Matrix: Solid													Prep Type	· Total/I
Analysis Batch: 46446													Prep Ba	tch: 464
-				Spike		LCS	LCS						%Rec.	
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28				33.3		16.2			mg/Kg			49	45 - 115	
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
n-Octacosane	59			40 - 140										
Lab Sample ID: MB 440-473	86/1-A											<b>Client S</b>	ample ID: Met	hod Bla
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
		мв	MB											
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Analyzed	Dil I
C13-C22		ND			5.0		3.5	mg/Kg		—	08/2	3/12 12:19	08/24/12 17:5	9
C23-C40		ND			5.0		3.5	mg/Ka			08/2	3/12 12:19	08/24/12 17:5	9
								2 0						
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limits	s						P	repared	Analyzed	Dill
n-Octacosane		67		40 - 1	40						08/2	3/12 12:19	08/24/12 17:5	9
_ Lab Sample ID: LCS 440-47	386/2-A									с	lient	Sample	ID: Lab Contr	ol Samı
Matrix: Solid												•	Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
· ····· <b>,</b> · · · · · · · · · · · · · · · · · · ·				Spike		LCS	LCS						%Rec.	
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28				33.3		25.4			mg/Kg			76	45 - 115	
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
n-Octacosane 	71			40 - 140										
Lab Sample ID: 440-20877-/	A-12-D MS											Client	Sample ID: Ma	atrix Spi
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
	Sample	Sam	ple	Spike		MS	MS						%Rec.	
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28	ND			33.3		21.2			mg/Kg			64	40 - 120	
	MS	MS												
Surrogate	%Pecoverv	0u2	lifior	Limite										
n-Octacosane	58	Quu		40 - 140										
_														
Lab Sample ID: 440-20877-/	A-12-E MSD									Clie	nt Sa	ample ID	: Matrix Spike	Duplica
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
	Sample	Sam	ple	Spike		MSD	MSD	)					%Rec.	R
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits F	RPD Li
C10-C28	ND			33.3		22.8			mg/Kg			68	40 - 120	7
	MSD	MSD	)											
Surrogate	%Recoverv	Qua	lifier	Limits										
n-Octacosane				40 - 140										
	50													

Lab Sample ID: MB 440-45897/1-A

**Client Sample ID: Method Blank** 

# Method: 7199 - Chromium, Hexavalent (IC)

Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
		MB MB										
Analyte	R	esult Qualifier		RL	MDL Unit		D	Pre	epared	Analyz	ed	Dil Fac
Cr (VI)		ND		2.0	1.5 mg/k	ζg	(	08/16/	/12 15:44	08/16/12 2	22:33	10
Lab Sample ID: LCS 440-45897/2	2-A						Cli	ent S	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
			Spike	LCS	LCS					%Rec.		
Analyte			Added	Resul	t Qualifier	Unit		D	%Rec	Limits		
Cr (VI)			16.0	12.6	3	mg/Kg			79	65 - 110		
Lab Sample ID: 280-31767-B-2-C	MS								Client S	Sample ID:	: Matrix	Spike
Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
	Sample	Sample	Spike	MS	6 MS					%Rec.		
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%Rec	Limits		
Cr (VI)	ND		16.0	12.4	1	mg/Kg			77	55 _ 110		
Lab Sample ID: 280-31767-B-2-D	MSD						Client	t Sar	nple ID:	Matrix Sp	oike Dup	licate
Matrix: Solid									1 - C	Prep T	vpe: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
	Sample	Sample	Spike	MSE	MSD					%Rec.		RPD
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		16.0	11.8	3	mg/Kg			74	55 - 110	4	20
Lab Sample ID: 280-31767-B-2-E	MSI								Client S	Sample ID:	: Matrix	Spike
Matrix: Solid										Prep T	vpe: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
,	Sample	Sample	Spike	MS	I MSI					%Rec.		
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%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 Matrix: Solid Analysis Batch: 46570							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	d Blank Total/NA n: 46306
• • •	MB	MB				_	- ·		
Analyte	Result	Qualifier	RL	MDL	Unit	U	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

RL

1.0

RL

2.0

Chika

MDL Unit

MDL Unit

0.20 mg/Kg

0.80 mg/Kg

D

D

Prepared

08/18/12 12:47

Prepared

08/18/12 12:47

MB MB

ND

**Result Qualifier** 

MB MB

ND

Result Qualifier

Analysis Batch: 46570

Analysis Batch: 47215

Analysis Batch: 46570

Matrix: Solid

Matrix: Solid

Analyte

Analyte

Molybdenum

Silver

**Client Sample ID: Method Blank** 

Analyzed

08/20/12 15:11

**Client Sample ID: Method Blank** 

Analyzed

08/22/12 16:48

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 46306

Prep Batch: 46306

Dil Fac

5

7
8
9

Lab Sample ID: LCS 440-46306/2-A ^5 Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-46306/1-A ^5

Lab Sample ID: MB 440-46306/1-A ^5

Client Sample ID: Lab Control Sample Prep Type: Total/NA

0/ Doo

Prep Batch: 46306

Dil Fac

5

	эріке	L03	L03				/arec.	
Analyte	Added	Result	Qualifier	Unit	D	%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			Client Sample ID: Lab Control Sar					
Matrix: Solid					Prep 1	Type: Total/NA		
Analysis Batch: 47215							Prep	Batch: 46306
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Molybdenum	49.3	48.5		mg/Kg		98	80 - 120	

# Lab Sample ID: 440-20036-1 MS Matrix: Solid

Analy	/sis	Batch:	46570

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Client Sample ID: SB-21-0.5

Prep Type: Total/NA Prep Batch: 46306

# Method: 6010B - Metals (ICP) (Continued)

Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 46570									Prep	Batch:	4630
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/N/
Analysis Batch: 47215									Prep	Batch:	4630
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Molybdenum	ND		49.3	45.5		mg/Kg		92	75 - 125		
Lab Sample ID: 440-20036-1 MSD								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/N/
Analysis Batch: 46570									Prep	Batch:	4630
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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	2
Cadmium	0.48	J	49.5	53.9		mg/Kg		108	75 - 125	8	2
Chromium	11		49.5	56.6		mg/Kg		93	75 - 125	9	2
Cobalt	6.1		49.5	56.4		mg/Kg		102	75 - 125	9	2
Copper	23		49.5	68.5		mg/Kg		92	75 - 125	15	2
Lead	9.6		49.5	54.4		mg/Kg		90	75 _ 125	9	2
Nickel	9.6		49.5	57.6		mg/Kg		97	75 _ 125	9	2
Selenium	ND		49.5	45.1		mg/Kg		91	75 - 125	10	2
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	2
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								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 47215									Prep	Batch:	46306
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Mahyhdanum			49.5	11.6		ma/Ka		90	75 125	2	20

# Matrix: Water

Analysis Batch: 45739								Prep Batch	n: 45116
	MB	MB							
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 21:41	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

Prep Type: Dissolved

Lab Sample ID: MB 440-45063/1-C

**Client Sample ID: Method Blank** 

Client Sample II	D: Lab Control Sa	ample
08/14/12 07:59	08/15/12 21:41	1
00/14/12 01:00	00/10/12 21.41	

Prep Type: Dissolved

# Method: 6010B - Metals (ICP) (Continued)

Matrix: Water								Prep Type: Di	ssolved
Analysis Batch: 45739								Prep Batch	n: <b>45116</b>
	MB	MB							
Analyte	Result	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 Matrix: Water Analysis Batch: 45739

Analysis Batch: 45739							Prep Bat	tch: 45116
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 Matrix: Water Analysis Batch: 45739

Sa	mple	Sample	Spike	MS	MS				%Rec.
Analyte R	esult	Qualifier A	dded	Result	Qualifier	Unit	D	%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

# Client Sample ID: EB-081012

**Prep Type: Dissolved** Prep Batch: 45116

MS MS

1.05

1.01

1.06

1.04

1.03

0.502

**Result Qualifier** 

Unit

mg/L

mg/L

mg/L

mg/L

mg/L

Spike

Added

1.00

1.00

1.00

1.00

1.00

0.500

Analysis Batch: 45739

Matrix: Water

Analyte

Selenium

Thallium

Vanadium

Zinc

Silver

Nickel

Lab Sample ID: 440-20036-14 MS

Method: 6010B - Metals (ICP) (Continued)

Sample Sample

ND

ND

ND

ND

ND

ND

Result Qualifier

Client Sample ID: EB-081012

%Rec.

Limits

75 - 125

75 - 125

75 - 125

75 - 125

75 - 125

Prep Type: Dissolved

Prep Batch: 45116

# mg/L 100 75 - 125 Client Sample ID: EB-081012 Prep Type: Dissolved Prep Batch: 45116 %Rec. RPD

%Rec

105

100

106

104

103

D

# Lab Sample ID: 440-20036-14 MSD Matrix: Water

Analysis Batch: 45739									Prep	Batch:	45116
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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									Clie	ent Sa	ample ID: Metho Prep Type:	od Blank Total/NA
	МВ	МВ										
Analyte	Result	Qualifier		RL	MDL	Unit		D	Prepa	red	Analyzed	Dil Fac
Cr (VI)	ND		0.0	025 (	0.0050	mg/L					08/11/12 00:36	1
Lab Sample ID: LCS 440-44700/4								Clie	ent Sa	mple	ID: Lab Contro	Sample
Matrix: Water											Prep Type:	Total/NA
Analysis Batch: 44700												
			Spike	LCS	LCS						%Rec.	
Analyte			Added	Resul	t Qua	lifier	Unit		D %I	Rec	Limits	
Cr (VI)			0.100	0.105	5		mg/L			105	90 - 110	

# Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 440-20036-14 MS Matrix: Water Analysis Batch: 44700								Clier	nt Sample Prep	ID: EB-0 Type: Tot	81012 tal/NA
Analysis Batom 44700	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cr (VI)	ND		0.300	0.319		mg/L		106	85 _ 115		
 Lab Sample ID: 440-20036-14 MSD	1							Clier	nt Sample	ID: EB-0	81012
Matrix: Water									Prep	Type: To	tal/NA
Analysis Batch: 44700											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		0.300	0.314		mg/L		105	85 - 115	2	20

Prep Type

Total/NA

**Client Sample ID** 

SB-21-0.5

SB-21-3

SB-22-3

SB-22-3

SB-22-3

SB-20-3

Dup-1

Dup-2

Lab Control Sample

Method Blank

SB-20-0.5

SB-22-0.5

**GC/MS Semi VOA** 

Prep Batch: 44894 Lab Sample ID

440-20036-1

440-20036-2

440-20036-6

440-20036-7

440-20036-8

440-20036-10

440-20036-12

440-20036-13

LCS 440-44894/2-A

MB 440-44894/1-A

440-20036-7 MS

440-20036-7 MSD

Method

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

Prep Batch

Prep Type	Matrix	Method	Prep Batch	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NIA	Solid	82700	11801	

Matrix

Solid

### Analysis Batch: 45705 Г

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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	Client Sample ID	Ргер Туре	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	CALUFT	
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	Ргер Туре	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	Ргер Туре	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	CALUFT	
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	CALUFT	
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	Ргер Туре	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	CALUFT	
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	CALUFT	
MB 440-47386/1-A	Method Blank	Total/NA	Solid	CALUFT	
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	Ргер Туре	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

# TestAmerica Job ID: 440-20036-1

**8** 9

# **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

malysis balcii. 45755						0
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	ð
440-20036-14	EB-081012	Dissolved	Water	6010B	45116	
440-20036-14 MS	EB-081012	Dissolved	Water	6010B	45116	9
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	Ргер Туре	Matrix	Method	Prep Batch	

# 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	Ргер Туре	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 440-20036-14	Client Sample ID EB-081012	Prep Type Dissolved	Matrix Water	Method 6010B	Prep Batch 45116
Analysis Batch: 4721	5				
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

Prep Type

Total/NA

Matrix

Solid

**Metals (Continued)** 

Lab Sample ID

440-20036-2

440-20036-6

440-20036-7

440-20036-8

440-20036-10

440-20036-12

440-20036-13

440-20036-1 MSD

Analysis Batch: 47215 (Continued)

**Client Sample ID** 

SB-21-0.5

SB-21-3

SB-22-3

SB-20-3

Dup-1

Dup-2

Lab Control Sample

Method Blank

SB-20-0.5

SB-22-0.5

Method

6010B

Prep Batch

46306

46306

46306

46306

46306

46306

46306

46306

46306

46306

# 0 7 8 9

# General Chemistry

LCS 440-46306/2-A ^5

MB 440-46306/1-A ^5

# Analysis Batch: 44700

Lab Sample ID	Client Sample ID	Ргер Туре	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

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# Qualifiers

GC/MS Semi VOA
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Qualifier	Qualifier Description	
X	Surrogate is outside control limits	5
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	0
GC/MS Ser	ni VOA TICs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	8
Ν	Presumptive evidence of material.	0
т	Result is a tentatively identified compound (TIC) and an estimated value.	0
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	<b>.</b>
GC VOA		
Qualifier	Qualifier Description	
X	Surrogate is outside control limits	11
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
GC Semi V	ΟΑ	
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.	
х	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.
В	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)

# 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
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# Login Sample Receipt Checklist

# Client: MWH Americas Inc

# Login Number: 20036

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	

12

Job Number: 440-20036-1

List Source: TestAmerica Irvine

**Prepared for** 

General Electric Aviation Duarte, CA

# Focused Soil Investigation and Storm Drain Inspection Report 1700 Business Center Drive, Duarte, CA

October 23, 2012



# 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

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Michael Flaugher, P.G. No. 7626 Project Manager





Joan Delui

Joan Dolmat Project Geologist

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- C Laboratory Analytical Results

# ACRONYMS AND ABBREVIATIONS

AST	Advanced Sewer Technology
BC <sup>2</sup>	BC <sup>2</sup> Environmental
COC	Chain-of-Custody
ft bgs	Feet Below Ground Surface
IDŴ	Investigation Derived Waste
mg/kg	Milligrams per Kilograms
MĎL	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
μ <b>g/kg</b>	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<sup>2</sup> Environmental (BC<sup>2</sup>), 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<sup>®</sup> 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.

#### <u>Metals</u>

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  $\mu g/kg.$

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

		SAMPLING PRO	GRAM			ANAL	YSIS	
Location	Field Sample ID	Collection Date	Media	Sample Depth (ft bgs)	Semi-Volatile Organic Compounds + TICs	Total Petroleum Hydrocarbons Carbon-Chain	Metals	Hexavalent Chromium
	SB-20-0.5	08/10/12	Soil	0.5 - 1.0	Х	Х	Х	Х
	SB-20-3	08/10/12	Soil	2.5 - 3.0	Х	Х	Х	Х
SB-20	DUP-2	08/10/12	Soil	3.0 - 3.5	Х	Х	Х	Х
	SB-20-5	08/10/12	Soil	4.5 - 5.0	Х	Х	Н	Н
	SB-20-10					-	-	
	SB-21-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х	Х	Х
	SB-21-3	08/09/12	Soil	2.5 - 3.0	Х	Х	Х	Х
SB-21	DUP-1	08/10/12	Soil	3.0 - 3.5	Х	Х	Х	Х
	SB-21-5	08/10/12	Soil	4.5 - 5.0	Н	Н	Н	Н
	SB-21-10	08/10/12	Soil	9.5 -10.0	Н	Н	Н	Н
	SB-22-0.5	08/10/12	Soil	0.5 - 1.0	Х	Х	Х	Х
60.00	SB-22.3	08/10/12	Soil	2.5 - 3.0	Х	Х	Х	Х
5B-22	SB-22-5	08/10/12	Soil	4.5 - 5.0	Н	Н	Н	Н
	SB-22-10					-	-	
	SB-25-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
CD 25	SB-25-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
36-23	SB-25-5					-	-	•
	SB-25-10					-	-	
	SB-26-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
60 D6	SB-26-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
30-20	SB-26-5	08/10/12	Soil	4.5 -5.0	Н	Н		
	SB-26-10					-	-	
	SB-27-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
6D 07	SB-27-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
30-21	SB-27-5					-		
	SB-27-10					-		
	SB-28-0.5	08/09/12	Soil	0.5 - 1.0	Х	Х		
68.20	SB-28-3	08/09/12	Soil	2.5 - 3.0	Х	Х		
SB-28	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

											Conce	entrations (r	ng/kg) <sup>a</sup>							
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	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	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-21-0.5	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	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
3D-22	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 <sup>b</sup> : 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		
		Bac	ckground <sup>c</sup> :	0.16	12 <sup>d</sup>	576	0.68	0.32	67		11.6	13	13.2	0.10	30	0.015	0.28	0.38	85	92

Notes:

<sup>a</sup> Samples analyzed using U.S. Environmental Protection Agency (EPA) Methods 6010/7471A and for hexavalent chromium using EPA Method 7199.

<sup>b</sup> 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

<sup>c</sup>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

<sup>d</sup>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

													Concent	tration (µg	g/kg)									
				SV	OCs										TICs									
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	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- rimethoxy	Benzene, [(trifluoromethyl)sulfonyl]-	Docosane	Heptacosane	Tritetracontane
	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	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 SB-20-5	08/10/12	3.0 - 3.5	<360	<360	ND ND	970.000	ND ND	ND	ND ND	ND ND	44,000 ND	1,800,000		ND ND	ND ND	ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND
	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	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
00-22	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 2.000	ND	ND 8.100	ND	ND 4.600	ND	ND	ND	ND
SB-27	SD-27-0.5	08/09/12	0.5 - 1.0	-360 1.400 L	~360	<7.500 UJ	4,000	ND		ND	10,000	ND	2,900	ND		3,900	7,400	6,100		4,000	5 000			
	SB-28-0.5	08/09/12	2.3 - 3.0	<360	<360	<7,300 UJ ND	44 000	ND	ND	120.000	190,000 ND	ND	12,000 ND	ND	ND	ND	ND	0,700 ND	ND	1,300 ND	3,000 ND	ND	ND	ND
SB-28	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

					Concentrations (mg/kg) <sup>a</sup>	
Location	Field Sample ID	Sample Date	Sample Depth (ft bgs)	C4-C12	C13-C22	C23-C40
	SB-20-0.5	08/10/12	0.5 - 1.0	<140	180	330
SB-20	SB-20-3	08/10/12	2.5 - 3.0	230 J	13,000	<1,000
00 20	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-21-0.5	08/09/12	0.5 - 1.0	<140	900	630
SB-21	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
00-22	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
30-23	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
00-20	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
00-27	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
00-20	SB-28-3	08/09/12	2.5 - 3.0	<150	610	170
		Soil S	creening Level <sup>b</sup> :	500 (Gasoline Range)	1,000 (Diesel Range)	10,000 (Motor Oil Range)

Notes:

 $^{\rm a}$  Samples analyzed using U.S. Environmental Protection Agency Method 8015M

<sup>b</sup> 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









APPENDIX A

**BORING LOGS** 

	) N	ЛV	Vŀ	-		Drilling Log Soil Boring SB-20	
Project Location Surface El Casing Sti	<u>GE Avia</u> <u>1700</u> lev. <u>N</u> ickup	ation Busines VA NA	ss Cen	<i>ter Ave,</i> Total De	Duarte	Owner     GE       e, CA     Project Number     10501103       6.5 ft     Borehole Diameter     8.0 in     North     NA	entonite
Screen: D Casing: Di Drill Co. Driller <u>S</u> Start Date	iameter BC² Er Sergio F 8/10/	r <u>NA</u> NA nvironm Perez 2012	nental	Length Length	NA NA Driller	Type/Size         NA           Type         NA           Drilling Method         Limited Access Hollow-Stem Auger           C-57 #         969758           Log By         J. Dolmat           tion Date         8/10/2012           Checked By         M. Flaugher, P.G.	
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -	1.3	<u>SB-20-</u> <u>0.5</u> 100%			SM	Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, some pea gravel (fill).	
	8.1 3.2	<u>SB-20-</u> <u>3</u> 100% <u>SB-20-</u> <u>5</u> 100%			SP SM GP	SAND w/silt and gravel, dark greyish brown (2.5Y 4/2), dry, fine to coarse sand, gravel up to 3", subrounded to round. GRAVEL/COBBLES w/sand, dry, fine sand, trace medium and coarse sand.`	
						Refusal at 6.5'.	
- 10 -   - 12 - 							
- 14 -   - 16 -							
- 18 -  - 20 -							
22							

	A L	νN	Vŀ	-		Drilling Log Soil Boring SB-21	
						Page: 1 of 1	
Project	GE Av	iation				Owner <u>GE</u> Backfilled with cement/b	entonite
Location	n <u>1700</u>	Busine	ss Cer	iter Ave,	Duarte	Project Number 10501103 grout.	
Casing	Stickup	NA NA		Total De	ptn	10.0 m Borenole Diameter 8.0 m North NA	
Screen	Diamete	er NA		vvater Le			
Cosing	Diamoto	r MA		Length			
		nviropn	nontal	Lengui	NA	Drilling Method / imited Access Hollow-Stem Auger	
Driller	Seraio I	Doroz	iciilai		Drillor	C-57 # 969758 Log By / Dolmat	
Start D	ote 8/0/2	012			`omple	tion Date $8/10/2012$ Checked By M Elevaber P.G.	
				、	Joinpie		
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0	2.1	<u>SB-21-</u> 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	<u>SB-21-</u> <u>3</u>				SAND w/silt and gravel, very dark grevish brown (10YR 3/2), dry,	-
F		100%				predominantly coarse with few fine and medium graines, subrounded gravel	
- 4		SB-21-				up to 2.5".	
F	2.8	<u>5</u> 100%			SP		
	-	10070			SM		
F	_					At 6 El increace in gravel content	
	_					At 0.5, increase in graver content.	
- 8	_					GRAVEL w/sand very dark gravish brown (10VR 3/2) dry very dense fine	
È	_			$^{\circ}$	GP	to coarse sand, little silt, difficult drilling.	
+	1.1	<u>SB-21-</u> 10	41   40⊠	60	0.		
<u>⊢</u> 10		100%	37			End of boring = 10'.	-
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	л (	ЛЛ	Vŀ	-		Drilling Log Soil Boring SB-22	
Project	GE Avi	ation		-		Page: 1 of 1 Owner GE COMMENTS	
Location	1700	Busine	ss Cer	ter Ave,	Duarte	e, CA Project Number 10501103 Backfilled with cement/be	entonite
Surface	Elev. /	VA		Total De	pth	7.0 ft Borehole Diameter 8.0 in North NA	
Casing S	Stickup	NA		Water L	evel In	itial <u>VNot Encountered</u> East <u>NA</u>	
Screen:	Diamete	r <u>NA</u>		Length	NA	Type/Size <u>NA</u>	
Casing: I	Diamete	r <u>N</u> A		Length	NA	Туре _ NA	
Drill Co.	BC <sup>2</sup> E	nvironn	nental			Drilling Method Limited Access Hollow-Stem Auger	
Driller _	Sergio F	Perez			Driller	C-57 # <u>969758</u> Log By <u>J. Dolmat</u>	
Start Dat	te <u>8/10/</u>	2012		(	Comple	tion Date <u>8/10/2012</u> Checked By <u>M. Flaugher, P</u> .G.	
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
				~~~~~			
	1.8	<u>SB-22-</u> 0.5				Silty SAND w/gravel, dark greyish brown (10YR 4/2), dry, fine to coarse sand, predominantly fine grained, subangular pea gravel (fill).	
		100%			SM		
- 2 -	_	<u>SB-22-</u>					
-	2.8	<u>3</u> 100%				SAND w/gravel, very dark grevish brown (10YR 3/2), dry, gravel is fine to	
- 4 -	_					coarse, subrounded, up to 3".	
	4.0	<u>58-22-</u>			SP		
-		100%					
- 6 -	_			000	GP	GRAVEL and COBBLES w/silt, very dark greyish brown (10YR 3/2), dry,	-
				200		Refusal at 7'	
- 8 -	_						
	_						
	_						
	_						
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	_						
	_						
≰   4 - 5	-						
	1						
b - 16 −	-						
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	_						
∑ 20 -	_						
22 -	1						
	-						
	-						
∃ - 24 - K							

	) N	ЛV	Vŀ	-		Drilling Log Soil Boring SB-25	
Project _ Location	GE Avia 1700	ation Busine:	ss Cen	– nter Ave,	Duarte	Owner     GE     COMMENTS       a, CA     Project Number 10501103     Backfilled with cement/begrout.	entonite
Surface E	lev. /	VA		Total De	pth	3.5 ft Borehole Diameter North NA	
Casing St	tickup	NA		Water Lo	evel In	tial <u>V</u> Not Encountered East <u>NA</u>	
Screen: L	Jamete	r <u>/v</u> A		Length	NA	Type/Size <u>NA</u>	
Casing: D	)iameter	r <u>NA</u>		Length	NA	Type <u>NA</u>	
Drill Co.	BC <sup>2</sup> E	nvironn	nental		Duillen	Drilling Method <u>Hand Auger</u>	
Stort Dot	sergio F	erez			Driller	C-5/ # <u>969/38</u> Log By <u>J. Dolmat</u>	
	3_0/9/2	012		(		tion Date <u>0/9/2012</u> Checked by <u>M. Flaugher, F</u> .G.	-
Depth (ft)	(mqq) CIA	Sample ID % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
	0.1	<u>SB-25-</u> 0.5		P A P P		Concrete.	
	0.1	100%			SP	sand, few gravel.	
- 2 -		SB-25-			SM		
	0.0	<u>3</u> 100%				CDAV/EL and CODDLES w/cand van/ day/ graviah brown (10VD 2/0) day	-
		10070			GP	$\bigcirc$ GRAVEL and COBBLES wisand, very dark greyish brown (10YR 3/2), dry, $\bigcirc$ cobbles up to 10".	
						Refusal at 3.5'.	
- 6 -							
-							
- 8 -							
E -							
- 10 -							
ı⊢ 12 –							
- 14 -							
[ 16 −							
10							
5 <b>10</b> -							
- 20 -							
SF 22 -	1						
24 -							

	Ν.					Drilling Log	
Gi	り r	VI V	VF			Soil Boring SB-26 Page: 1 of 1	
Project	GE Avi	iation				Owner <u>GE</u>	antonito
Location	1 <i>700</i> ו	Busines	ss Cen	ter Ave,	Duarte	e, CA Project Number <u>10501103</u> grout.	entonite
Surface	Elev. <u>/</u> Stickup	NA NA		Total De	pth	6.0 ft Borehole Diameter 8.0 in North NA	
Screen:	Diamete	r NA		I ength	NA	Type/Size NA	
Casing:	Diamete	r <i>NA</i>		Length	NA		
Drill Co.	BC <sup>2</sup> E	nvironm	nental			Drilling Method Limited Access Hollow-Stem Auger	
Driller	Sergio F	Perez			Driller	C-57 # <u>969758</u> Log By <u>J. Dolmat</u>	
Start Da	ate <u>8/9/2</u>	2012		C	Comple	tion Date <u>8/10/2012</u> Checked By <u>M. Flaugher, P</u> .G.	
Depth (ft)	(mdd)	Sample ID % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -		SB-26-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Concrete.	
F	1.7	<u>0.5</u> 100%			ML	Sandy SILT w/gravel, dark brown (7.5YR 3/2).	
2	_	SB-26-				medium sand, few coarse grains, coarse subrounded gravel, some cobbles	
-	0.0	$\frac{3}{100\%}$			SP SM	up to 11".	
4	-						
E	0.0	<u>SB-26-</u>				GRAVEL w/sand, brown (10YR 5/3), dry, coarse subrounded gravel, sand is	
L G	-	100%			GP	fine to coarse, cobbles up to 11".	
	-					Refusal at 6'.	
F	-						
- 8	-						
-	-						
- 10 ·	-						
F	_						
<u>-</u> 12 ⋅	-						
	-						
- 14	-						
F	-						
	-						
	-						
- 18	_						
	-						
	-						
- 20 ·	-						
	-						
≦⊢ 22 ·	-						
	-						
- 24	-						

	) r	ЛV	Vŀ	4		Drilling Log Soil Boring SB-27	
Project	GE AVI	ation		tor Ava	Duart	Owner <u>GE</u> Backfilled with cement/be	entonite
Surface	 Elev /	DUSITIE	ss Cerr	Total De	Duar le	4.0 ft Borebole Diameter 4.0 in North NA	
Casing S	tickup	NA		Waterla	ovel In		
Screen: I	Diamete	r <i>NA</i>		l enath	NA	Type/Size NA	
Casing: [	Diamete	r NA		Length	NA		
Drill Co.	BC² E	nvironn	nental	0		Drilling Method Hand Auger	
Driller	Sergio F	Perez			Driller	C-57 # _969758 Log By _J. Dolmat	
Start Dat	e <u>8/9/2</u>	012		(	Comple	tion Date <u>8/9/2012</u> Checked By <u>M. Flaugher, P</u> .G.	
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -		00.07		10-10-14		Congrete	
	3.5	<u>0.5</u>		य व व		Silty SAND w/gravel, brown (10YR 4/3), dry, fine to coarse sand,	
	-	100%			SM	predominantly fine, coarse subrounded gravel up to 3".	
- 2 -	27	<u>SB-27-</u>					
E :	3.7	<u>3</u> 100%		ЪŶÛ		GRAVEL w/sand, dark grevish brown (2.5Y 4/2), coarse gravel up to 3",	
- 4 -	-			$^{\circ}$	GF	cobbles up to 7".	
						Refusal at 4°.	
	-						
6 -							
	-						
- 8 -	_						
	-						
- 10 -							
	-						
- 12 -							
;- ·	-						
14 -	1						
E -							
- 16 -	-						
	1						
	-						
i - 18 -	-						
	-						
- 20 -	-						
	1						
	-						
SF 22 -	-						
- 24 -	-						

	л <i>(</i>	лл				Drilling Log	
	ア	VI V	VF			Page: 1 of 1	
Project	GE Avi	ation				Owner <u>GE</u> COMMENTS Bratfilled with compatible	ntonito
Location	1700	Busines	ss Cen	ter Ave,	Duarte	e, CA Project Number <u>10501103</u> grout.	antonne
Surface	Elev. <u>/</u>	VA		Total De	pth _	3.5 ft Borehole Diameter <u>NA</u> North <u>NA</u>	
Screen:	Diamete	r NA		Water Le	evel In	Itial <u>VNot Encountered</u> East <u>NA</u>	
Casing	Diamete			Length	NA NA	Type/Size <u>NA</u>	
Drill Co	BC <sup>2</sup> F	nvironm	nental	Lengin	<u>NA</u>	Drilling Method Hand Auger	
Driller	Seraio F	Perez	lontai		Driller	C-57 # 969758 Log By J. Dolmat	
Start Dat	te 8/9/2	012		(	Comple	tion Date <u>8/9/2012</u> Checked By <u>M. Flaugher, P.G.</u>	
	-						
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
_ 0 _							
- ·	0.0	<u>SB-28-</u> 0.5		P 6 9 P		Concrete. Silty SAND w/gravel_dark grevish brown (10YR 4/2)_dry_fine to medium	
- ·	_	100%			SM	sand, trace coarse sand, gravel up to 2".	
- 2 -		<u>SB-28-</u>	N				
	0.0	<u>3</u> 100%		<u>ک</u> ل	GP	GRAVEL w/sand, dark grevish brown (2.5Y 4/2), dry, fine to coarse	
- 4 -	_					subrounded gravel up to 3", cobbles up to 10".	
						Refusal at 3.5.	
	_						
- 8 -							
- 10 -							
-							
F							
¦⊢ 12 -	_						
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- 14 -	_						
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- 16 -	-						
3 - 18 -	-						
	1						
20 -							
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	1						
≧_ 22 -							
	-						
24 -							

APPENDIX B

DATA ADEQUACY EVALUATION REPORT

# M E M O R A N D U M



To: Michael Flaugher – PAS
From: Sarah Von Raesfeld – WCK
Report Reference: TestAmerica Laboratories Inc.
SDGs 440-19898-1 and 440-20036-1

# **Data Validation Report**

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

#### September 17, 2012

- 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-

GE Duarte, California

September 17, 2012

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

#### Page 1 of 2

Sample	Laboratory								
Identification	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

#### Page 2 of 2

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flaq	Bias	Comment
	440 20026 14	Motor		4 Promonhonyl nhonyl other	< 2.0	ua/I		Low	
ED-001012	440-20030-14	water	EPA 02/00	4-bromophenyi phenyi ether	< 2.9	µg/∟	05	LOW	LU3/LU3D %R < LUL
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



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

Joth Boular

Authorized for release by: 8/23/2012 3:14:28 PM

Jonathan Bousselaire Project Manager I jonathan.bousselaire@testamericainc.com

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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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# Sample Summary

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Water

Client: MWH Americas Inc Project/Site: GE duarte

**Client Sample ID** 

SB-27-0.5

SB-27-3

SB-28-3

SB-28-0.5

SB-25-0.5

SB-26-0.5

SB-26-3

SB-25-3

EB-080912

Lab Sample ID

440-19898-1

440-19898-2

440-19898-3

440-19898-4

440-19898-5

440-19898-6

440-19898-7

440-19898-8

440-19898-9

TestAmerica Job ID: 440-19898-1

Collected

08/09/12 09:58

08/09/12 10:23

08/09/12 10:48

08/09/12 11:02

08/09/12 11:22

08/09/12 11:38

08/09/12 12:02

08/09/12 12:24

08/09/12 15:30

2	
3	}
5	
8	
9	

Received	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	
08/09/12 18:05	

TestAmerica Irvine 8/23/2012

#### 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 1.2° 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.
# 2 3 4 5 6 7 8 9

### 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 Sample ID: SB-27-0.5

Date Collected: 08/09/12 09:58 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile C Analyte	Drganic Compou Result	nds (GC/MS 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	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

Lab Sample ID: 440-19898-1

Matrix: Solid

1300

1300

1300

1300

MDL Unit

280 ug/Kg

280 ug/Kg

280 ug/Kg

360 ug/Kg D

Prepared

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

### Client Sample ID: SB-27-0.5 Date Collected: 08/09/12 09:58

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

ND

Date Received: 08/09/12 18:05

Analyte

Fluorene

Di-n-octyl phthalate

Hexachlorobenzene

Fluoranthene

### Lab Sample ID: 440-19898-1 Matrix: Solid

Analyzed

08/13/12 05:55

08/13/12 05:55

08/13/12 05:55

08/13/12 05:55

5

Dil Fac

2

2

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	TJN	ug/Kg		2	.97	123-42-2	08/10/12 08:51	08/13/12 05:55	2
Tributyl phosphate	4800	TJN	ug/Kg		7	.88	126-73-8	08/10/12 08:51	08/13/12 05:55	2
4-(Trifluoromethyl)mandelic acid	10000	TJN	ug/Kg		8	.74	395-35-7	08/10/12 08:51	08/13/12 05:55	2
Diphenyl phosphate	2900	TJN	ug/Kg		9	.55	838-85-7	08/10/12 08:51	08/13/12 05:55	2
1-Octadecene	3900	TJN	ug/Kg		11	.21	112-88-9	08/10/12 08:51	08/13/12 05:55	2
Nonadecane, 9-methyl-	7400	TJN	ug/Kg		11	.31	13287-24-6	08/10/12 08:51	08/13/12 05:55	2
Octadecane	8100	TJN	ug/Kg		11	.56	593-45-3	08/10/12 08:51	08/13/12 05:55	2
9-Chloro-4,5-dihydro-4-	4600	TJN	ug/Kg		11	.60	1000212-48-	08/10/12 08:51	08/13/12 05:55	2
[3,4,5-trimethoxy							1			
Benzene, [(trifluoromethyl)sulfonyl]-	14000	TJN	ug/Kg		11	.85	426-58-4	08/10/12 08:51	08/13/12 05:55	2
Eicosane	15000	TJN	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 - (G	C)								
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 Or	ganics (DRO)	(GC)								
Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	380		10		7.0	mg/Kg	1	08/15/12 09:03	08/17/12 10:49	1
C23-C40	360		10		7.0	mg/Kg	3	08/15/12 09:03	08/17/12 10:49	1

### Client Sample ID: SB-27-0.5

Date Collected: 08/09/12 09:58 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 Sam	ple ID: 440-1	9898-2
Date Collected: 08/09/12 10:23								Matri	x: Solid
Date Received: 08/09/12 18:05									
Method: 8270C - Semivolatile Or	rganic Compou	nds (GC/MS	5)						
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	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Azobenzene) 1.3-Dichlorobenzene			2600	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	
1,3-Dichlorobenzene			2000	520	ug/Kg		08/10/12 08:51	08/13/12 00:10	4
			2000	1000	ug/Kg		08/10/12 08:51	08/13/12 00:10	4
2,4,5-memorophenol			2000	1000	ug/Kg		08/10/12 08:51	08/12/12 06:16	4 1
2,4,0- Inchiorophenoi	ND		2600	100	ug/Kg		08/10/12 08:51	00/13/12 00:10	4
2,4-Dichlorophenol	ND		2600	480	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
			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-ethylhexvl) phthalate	1400	J	2600	720	ug/Ka		08/10/12 08:51	08/13/12 06:16	4

Lab Sample ID: 440-19898-1

Matrix: Solid

TestAmerica Irvine 8/23/2012

2600

2600

MDL Unit

640 ug/Kg

600 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Chrysene

Butyl benzyl phthalate

### Client Sample ID: SB-27-3 Date Collected: 08/09/12 10:23 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

### Lab Sample ID: 440-19898-2 Matrix: Solid

Analyzed

08/13/12 06:16

08/13/12 06:16

5

Dil Fac

4

GRO (C4-C12)	ND		380		140	ua/Ka			08/13/12 18:05	1
Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
 Method: 8015B - Gasoline Rang	e Organics - (G	C)								
Phenol-d6 (Surr)	71		35 - 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
Nitrobenzene-d5 (Surr)	62		30 - 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
2-Fluorophenol (Surr)	64		25 - 120					08/10/12 08:51	08/13/12 06:16	4
	68		35 - 120					08/10/12 08:51	08/13/12 06:16	4
Surrogate	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Qualifier		-				Prepared	Analyzed	DII Fac
	20000									
-5-ethyl Eicosane	25000	TJN	ua/Ka		11	.86	112-95-8	08/10/12 08:51	08/13/12 06:16	4
3-Acetyl-1-(3,4-dimethoxyphenyl)	5000	TJN	ug/Kg		11	.56	90140-65-1	08/10/12 08:51	08/13/12 06:16	4
Ficosane	13000	TJN	ua/Ka		11	51	112-95-8	08/10/12 08:51	08/13/12 06:16	4
Eicosane	6700	TJN	uq/Ka		11	.27	112-95-8	08/10/12 08:51	08/13/12 06:16	4
1-Eicosene	7100	TJN	ug/Ka		11	.17	3452-7-1	08/10/12 08:51	08/13/12 06:16	4
Diphenyl phosphate	55000	TJN	ug/Ka		9	.53	0 838-85-7	08/10/12 08:51	08/13/12 06:16	4
6,10,13-Trimethyltetradecanol	12000	TJN	ug/Kg		9	.32	1000131-71-	08/10/12 08:51	08/13/12 06:16	4
2,3,4,5-Tetrafluorobenzonitrile	190000	TJN	ug/Kg		8	.74	16582-93-7	08/10/12 08:51	08/13/12 06:16	4
Tributyl phosphate	88000	TJN	ug/Kg		7	.87	126-73-8	08/10/12 08:51	08/13/12 06:16	4
2-Pentanone, 4-hydroxy-4-methyl-	7500	TJN	ug/Kg		2	.97	123-42-2		08/13/12 06:16	4
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		2600		480	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
Phenol	6700		2600	1	720	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
Pentachlorophenol	ND		6600		1200	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
N-Nitrosodi-n-propylamine	ND		2000	)	560	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
Naphthalene	ND		2600	)	480	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
Indeno[1,2,3-cd]pyrene	ND		2600		1000	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
Hexachlorocyclopentadiene	ND		6600	1	720	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
Hexachlorobenzene	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
Fluoranthene	ND		2600		560	ug/Kg		08/10/12 08:51	08/13/12 06:16	4
Di-n-octvl phthalate	ND		2600	1	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	4
Di-n-butyl phthalate	ND		2600	)	720	ua/Ka		08/10/12 08:51	08/13/12 06:16	4
Dimethyl phthalate	ND		2600		520	ua/Ka		08/10/12 08:51	08/13/12 06:16	<u>-</u> _
Diethyl phthalate	ND		2600		760	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
Dibenz(a,h)anthracene	ND		3400		800	ua/Ka		08/10/12 08:51	08/13/12 06:16	4

### Client Sample ID: SB-27-3 Date Collected: 08/09/12 10:23

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 Rang	ge 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

Date Collected: 08/09/12 10:48

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Org	ganic Compou	nds (GC/MS)	DI	MDI	11		Dremered	Analyzad	
	- Kesult	Quaimer		MDL		D	Prepared		
	ND		3300	500	ug/Kg		00/10/12 00:51	00/13/12 00:37	5
	ND		3300	000	ug/Kg		00/10/12 00:51	00/13/12 00:37	5
1,2-Diphenylhydrazine(as	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:37	5
Azobenzene) 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

Lab Sample ID: 440-19898-2

Matrix: Solid

Lab Sample ID: 440-19898-3 Matrix: Solid

3300

3300

MDL Unit

500 ug/Kg

1100 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

### Client Sample ID: SB-28-0.5 Date Collected: 08/09/12 10:48 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

### Lab Sample ID: 440-19898-3 Matrix: Solid

Analyzed

08/13/12 06:37

08/13/12 06:37

Dil Fac

5

5

10

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	TJN	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-tria	120000	TJN	ug/Kg		8.	.73	66921-14-0	08/10/12 08:51	08/13/12 06:37	5
zol Diphonyl phoophoto	22000		ualka		0	52	020 05 7	09/10/12 09-51	00/12/12 06:27	5
Diprienyi prospriate	33000	I J IN	ug/ng		9.	.53	030-00-7	06/10/12 06.51	00/13/12 00.37	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 - (G	C)								
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

Date Collected: 08/09/12 10:48 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 Rang	e 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

Date Collected: 08/09/12 11:02

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	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 06:58	5
Azobenzene) 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

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-3

Matrix: Solid

Lab Sample ID: 440-19898-4 Matrix: Solid

MDL Unit

D

Prepared

Analyte

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

### **Client Sample ID: SB-28-3** Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

### Lab Sample ID: 440-19898-4 Matrix: Solid

Analyzed

5

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	ua/Ka		08/10/12 08:51	08/13/12 06:58	5
Pvrene	ND		3300	 )	800	ua/Ka		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	Analvzed	Dil Fac
2-Pentanone, 4-hydroxv-4-methyl-	7100	TJN	ug/Ka		2	.97	123-42-2	08/10/12 08:51	08/13/12 06:58	5
Tributyl phosphate	130000	TJN	ua/Ka		7	.87	126-73-8	08/10/12 08:51	08/13/12 06:58	5
2.3.4.5-Tetrafluorobenzonitrile	280000	TJN	ua/Ka		8	.75	16582-93-7	08/10/12 08:51	08/13/12 06:58	5
2.4-Hexadienedioic acid	16000	TJN	ua/Ka		9	.32	505-70-4	08/10/12 08:51	08/13/12 06:58	5
Diphenyl phosphate	110000	TJN	ua/Ka		9	.54	838-85-7	08/10/12 08:51	08/13/12 06:58	5
Propanenitrile 2-chloro-3-	7200	T.IN	ua/Ka		11	77	1424-50-6	08/10/12 08:51	08/13/12 06:58	5
(phenylsulfon			ug, i ig					00,10,12,00001	00.10.12.00.00	C C
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

08/13/12 06:58

08/13/12 06:58

08/13/12 06:58

08/10/12 08:51

08/10/12 08:51

08/10/12 08:51

5

5

5

30 - 120

40 - 135

35 - 120

61

92

### Client Sample ID: SB-28-3

Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

Method: 8015B - Gasoline Rai	nge Organics - (G	<b>C</b> )							
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	e 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

### Date Collected: 08/09/12 11:22

2-Nitroaniline

2-Nitrophenol

3-Nitroaniline

4-Chloroaniline

4-Nitroaniline

4-Nitrophenol

Acenaphthene

Aniline

Anthracene

Acenaphthylene

3,3'-Dichlorobenzidine

4,6-Dinitro-2-methylphenol

4-Chloro-3-methylphenol

4-Bromophenyl phenyl ether

4-Chlorophenyl phenyl ether

3-Methylphenol + 4-Methylphenol

ate Received: 08/09/12 18:05								x. 3011u		
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	ND		3300	600	ug/Kg		08/10/12 08:51	08/13/12 07:19	5	
Azobenzene)										
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	

3300

3300

8300

3300

4200

3300

3300

3300

3300

3300

8300

8300

3300

3300

4200

3300

600 ug/Kg

ug/Kg

ug/Kg

ug/Kg

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ug/Kg

ug/Kg

ug/Kg

600 ug/Kg

800 ug/Kg

600

1500

750 ug/Kg

1100

750 ug/Kg

700 ug/Kg

1200

850 ug/Kg

800 ug/Kg

900

1400

700 ug/Kg

850

08/10/12 08:51

08/10/12 08:51

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08/13/12 07:19

08/13/12 07:19

08/13/12 07:19

ND

TestAmerica Job ID: 440-19898-1

### Lab Sample ID: 440-19898-4 Matrix: Solid

5

5 5

5

5

5 5

5

5 5

5

5

5

5 5

5

5

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5

5

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5

5

5

5

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5

5

5

MDL Unit

D

Prepared

Analyte

### Client Sample ID: SB-25-0.5 Date Collected: 08/09/12 11:22 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

### Lab Sample ID: 440-19898-5 Matrix: Solid

Analyzed

5

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	TJN	ug/Kg		2	.97	123-42-2	08/10/12 08:51	08/13/12 07:19	5
Tributyl phosphate	4200	TJN	ug/Kg		7.	.88	126-73-8	08/10/12 08:51	08/13/12 07:19	5
4-(Trifluoromethyl)mandelic acid	13000	TJN	ug/Kg		8	.73	395-35-7	08/10/12 08:51	08/13/12 07:19	5
Diphenyl phosphate	3100	TJN	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

Method: 8015B - Gasoline Ra	nge Organics - (G	C)							
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	e 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

1.2.4-Trichkorobenzene         ND         330         50         ug/kg         08/10/12 08:51         08/13/12 07:40         1           1.2.Dichorobenzene         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           1.2.Dichorobenzene         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           2.4.5.Trichlorophenol         ND         330         130         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         130         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4.0.Erichlorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.2-Dichlorobenzene       ND       330       60       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         1.3-Dichlorobenzene       ND       330       60       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       75       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlyrophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       65       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktryphenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40 <td>1,2,4-Trichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>50</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,2,4-Trichlorobenzene	ND		330	50	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
1.2-Diphenylhydrazine(as         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           Azoberzene         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           1.4-Dichloroberzene         ND         330         60         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           2.4.5-Trichlorophenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbyhenol         ND         330         100         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbyhenol         ND         330         80         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene         ND         330         65         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Diritorbulene <td>1,2-Dichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>60</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,2-Dichlorobenzene	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
Azobenzene         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-Dintorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Dintorophenol         ND         330         100         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.4-Dintorobuene         ND         330         80         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Chiorophthalene         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Chiorophthalene         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2.Mitophenol <td< td=""><td>1,2-Diphenylhydrazine(as</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></td<>	1,2-Diphenylhydrazine(as	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-Si-Tichlorophenol       ND       330       150       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-Dichlorophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       95       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       65       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinitrolouene       ND       330       70       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	Azobenzene)									
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       175       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       170       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktorobhenol       ND       360       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dinktoroblene       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40 <td>1,3-Dichlorobenzene</td> <td>ND</td> <td></td> <td>330</td> <td>90</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	1,3-Dichlorobenzene	ND		330	90	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
24.5-Trichlorophenol       ND       330       130       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4.0-Chirophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dichlorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dintorophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.4-Dintorobuene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.6-Dintorobuene       ND       330       85       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Chiorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Chiorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2.Metryhphenol       ND       330       80       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	1,4-Dichlorobenzene	ND		330	65	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-Dinitrophenol       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrophenol       ND       330       100       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       95       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,6-Dinitrobluene       ND       330       95       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-Methylphenol       ND       330       70       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         2-Nitrophenol       ND       330       60       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-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-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,4-Dinitrobluene       ND       330       80       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,6-Dinitrobluene       ND       330       95       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,Chlorophenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,Methylphenol       ND       330       70       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         2,Nitroanline       ND       330       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         3,3'Dichloroberzidine       ND       330       75       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-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-Dinitrobluene         ND         330         80         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2,6-Dinitrobluene         ND         330         65         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2,6-Dinitrobluene         ND         330         70         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-Methylphenol         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanline         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'Dichtorobenzidine         ND         330         75         ug/kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol	2,4-Dichlorophenol	ND		330	60	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-Chlorophenol         ND         330         70         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-Methylphenol         ND         330         70         ug/kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanlline         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         ug/kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol	2,4-Dimethylphenol	ND		330	100	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-Methylaphthalene         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Methylaphthalene         ND         330         60         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           3.3'-Dichlorobenzidine         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Shoronaline	2,4-Dinitrophenol	ND		660	110	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-Methylphenol         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Methylphenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           2-Nitroanline         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         65         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dintro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.Chlorora-methylphenol <td>2,4-Dinitrotoluene</td> <td>ND</td> <td></td> <td>330</td> <td>80</td> <td>ug/Kg</td> <td></td> <td>08/10/12 08:51</td> <td>08/13/12 07:40</td> <td>1</td>	2,4-Dinitrotoluene	ND		330	80	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-Nitrophenol         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-simethylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-sime	2,6-Dinitrotoluene	ND		330	95	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-Nitroaniline         ND         330         60         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3.3'-Dichlorobenzidine         ND         330         60         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           4.6-Dinitro-2-methylphenol         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroa-3-methylphenol         ND         330         70         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroaphen	2-Chloronaphthalene	ND		330	65	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           3,3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           3,3'-Dichlorobenzidine         ND         330         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4,6-Dinitro-2-methylphenol         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-Chloroani	2-Chlorophenol	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           3,3'-Dichlorobenzidine         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         75         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroaniline         ND         330         80         ug/Kg         08/10/12 08:51         08/13/12 07:40         1           4-Chloroph	2-Methylnaphthalene	ND		330	70	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-NitroanilineND33060ug/Kg08/10/12 08:5108/13/12 07:4012-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4013,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloroa-illineND330330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070<	2-Methylphenol	ND		330	80	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
2-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4013,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloroa-inilineND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33080ug/Kg08/10/12 08:5108/13/12 07:4014-Nitrophenol+ 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070ug/Kg08/10/12 08:5108/13/12 07:401Acenaphthylene <t< td=""><td>2-Nitroaniline</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></t<>	2-Nitroaniline	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3,3'-DichlorobenzidineND830150ug/Kg08/10/12 08:5108/13/12 07:4013-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND330 <t< td=""><td>2-Nitrophenol</td><td>ND</td><td></td><td>330</td><td>60</td><td>ug/Kg</td><td></td><td>08/10/12 08:51</td><td>08/13/12 07:40</td><td>1</td></t<>	2-Nitrophenol	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
3-NitroanilineND33075ug/Kg08/10/12 08:5108/13/12 07:4014,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-anilineND33070ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33070ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33080ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/1	3,3'-Dichlorobenzidine	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4,6-Dinitro-2-methylphenolND420110ug/Kg08/10/12 08:5108/13/12 07:4014-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33060ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	3-Nitroaniline	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Bromophenyl phenyl etherND33075ug/Kg08/10/12 08:5108/13/12 07:4014-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4,6-Dinitro-2-methylphenol	ND		420	110	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-Chloro-3-methylphenolND33070ug/Kg08/10/12 08:5108/13/12 07:4014-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33080ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4-Bromophenyl phenyl ether	ND		330	75	ug/Kg		08/10/12 08:51	08/13/12 07:40	1
4-ChloroanilineND330120ug/Kg08/10/12 08:5108/13/12 07:4014-Chlorophenyl phenyl etherND33085ug/Kg08/10/12 08:5108/13/12 07:4013-Methylphenol + 4-MethylphenolND33080ug/Kg08/10/12 08:5108/13/12 07:4014-NitroanilineND83090ug/Kg08/10/12 08:5108/13/12 07:4014-NitrophenolND830140ug/Kg08/10/12 08:5108/13/12 07:401AcenaphtheneND33060ug/Kg08/10/12 08:5108/13/12 07:401AcenaphthyleneND33070ug/Kg08/10/12 08:5108/13/12 07:401AnilineND33070ug/Kg08/10/12 08:5108/13/12 07:401AnthraceneND33080ug/Kg08/10/12 08:5108/13/12 07:401	4-Chloro-3-methylphenol	ND		330	70	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       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       330       70       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	4-Chloroaniline	ND		330	120	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       60       ug/Kg       08/10/12 08:51       08/13/12 07:40       1         Aniline       ND       330       70       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	4-Chlorophenyl phenyl ether	ND		330	85	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         330         70         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	3-Methylphenol + 4-Methylphenol	ND		330	80	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	4-Nitroaniline	ND		830	90	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	4-Nitrophenol	ND		830	140	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	Acenaphthene	ND		330	60	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	Acenaphthylene	ND		330	70	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	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

TestAmerica Job ID: 440-19898-1

### Lab Sample ID: 440-19898-5 Matrix: Solid

Lab Sample ID: 440-19898-6

Matrix: Solid

660

MDL Unit

660 ug/Kg

D

Prepared

08/10/12 08:51

Analyte

Benzidine

### Client Sample ID: SB-26-0.5 Date Collected: 08/09/12 11:38 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

### Lab Sample ID: 440-19898-6 Matrix: Solid

Analyzed

08/13/12 07:40

Dil Fac

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-hvdroxy-4-methyl-	8000	TJN			3	.00	123-42-2	08/10/12 08:51	08/13/12 07:40	1
4-(Trifluoromethyl)mandelic acid	570	TJN	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

Date Collected: 08/09/12 11:38 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 Rang	e 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

Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compou Analyte Result	Inds (GC/MS) 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 ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
Azobenzene)								
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	
Benzo[a]pyrene ND		330	55	ug/Kg		08/10/12 08:51	08/13/12 04:10	1

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-6

Matrix: Solid

Lab Sample ID: 440-19898-7 Matrix: Solid

MDL Unit

D

Prepared

### Client Sample ID: SB-26-3 Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

Analyte

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

### Lab Sample ID: 440-19898-7 Matrix: Solid

Analyzed

5

Dil Fac

	2
	9

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	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobenzene	ND		330		70	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorobutadiene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Hexachlorocyclopentadiene	ND		830		90	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Hexachloroethane	ND		330		65	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Indeno[1 2 3-cd]pyrene	ND		330		130	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Isophorone	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Naphthalene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
Nitrobenzene	ND		330		70	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
N-Nitrosodi-n-propylamine	ND		250		70	ua/Ka		08/10/12 08:51	08/13/12 04.10	1
N-Nitrosodinbenylamine	ND		330		80	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Pentachlorophenol	ND		830		150	ua/Ka		08/10/12 08:51	08/13/12 04:10	· · · · · · · · · · · · · · · · · · ·
Phenanthrene	ND		330		60	ua/Ka		08/10/12 08:51	08/13/12 04:10	1
Phonol	150		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
his (2-chloroisonronyl) ether			330		60	ug/Kg		08/10/12 08:51	08/13/12 04:10	1
	ND		000		00	ug/itg		00/10/12 00:01	00/10/12 04.10	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	8700	TJN	ug/Kg		3	.00	123-42-2	08/10/12 08:51	08/13/12 04:10	1
Tributyl phosphate	1500	TJN	ug/Kg		7	.86	126-73-8	08/10/12 08:51	08/13/12 04:10	1
4-(Trifluoromethyl)mandelic acid	5200	TJN	ug/Kg		8	.72	395-35-7	08/10/12 08:51	08/13/12 04:10	1
Diphenyl phosphate	1300	TJN	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 Rang	ge Organics - (G	C)	-				_	_		
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 Date Collected: 08/09/12 12:02

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 Rang	e 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

Date Collected: 08/09/12 12:24

Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Org	janic Compou	nds (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	ND		33000	6000	ug/Kg		08/10/12 08:51	08/13/12 08:01	50
Azobenzene) 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

TestAmerica Job ID: 440-19898-1

Lab Sample ID: 440-19898-7

Matrix: Solid

Lab Sample ID: 440-19898-8 Matrix: Solid

33000

33000

MDL Unit

5000 ug/Kg

11000 ug/Kg

D

Prepared

08/10/12 08:51

08/10/12 08:51

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

### Client Sample ID: SB-25-3 Date Collected: 08/09/12 12:24 Date Received: 08/09/12 18:05

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

### Lab Sample ID: 440-19898-8 Matrix: Solid

Analyzed

08/13/12 08:01

08/13/12 08:01

Dil Fac

50

50

Benzo[k]fluoranthene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Benzoic acid	ND		83000	1500	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Benzyl alcohol	ND		33000	2000	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethoxy)methane	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Bis(2-chloroethyl)ether	ND		17000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Bis(2-ethylhexyl) phthalate	ND		33000	900	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Butyl benzyl phthalate	ND		33000	800	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Chrysene	ND		33000	750	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Dibenz(a,h)anthracene	ND		42000	1000	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Dibenzofuran	ND		33000	600	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Diethyl phthalate	ND		33000	950	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Dimethyl phthalate	ND		33000	650	0 ug/ł	<g< td=""><td>08/10/12 08:51</td><td>08/13/12 08:01</td><td>50</td></g<>	08/10/12 08:51	08/13/12 08:01	50
Di-n-butyl phthalate	ND		33000	900	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Di-n-octyl phthalate	ND		33000	900	0 ug/ł	٢g	08/10/12 08:51	08/13/12 08:01	50
Fluoranthene	ND		33000	700	0 ug/ł	<b>K</b> g	08/10/12 08:51	08/13/12 08:01	50
Fluorene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorobenzene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorobutadiene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachlorocyclopentadiene	ND		83000	900	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Hexachloroethane	ND		33000	650	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Indeno[1,2,3-cd]pyrene	ND		33000	1300	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Isophorone	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Naphthalene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Nitrobenzene	ND		33000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodi-n-propylamine	ND		25000	700	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
N-Nitrosodiphenylamine	ND		33000	800	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Pentachlorophenol	ND		83000	1500	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Phenanthrene	ND		33000	600	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Phenol	ND		33000	900	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
Pyrene	ND		33000	800	0 ug/ł	Кg	08/10/12 08:51	08/13/12 08:01	50
bis (2-chloroisopropyl) ether	ND		33000	600	0 ug/ł	Кg	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	TJN	ug/Kg		7.88	126-73-8	08/10/12 08:51	08/13/12 08:01	50
2,3,4,5-Tetrafluorobenzonitrile	660000	TJN	ug/Kg		8.74	16582-93-7	08/10/12 08:51	08/13/12 08:01	50
Diphenyl phosphate	160000	TJN	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 Rang	e Organics - (G	C)							
Analyte	Result	Qualifier	RL	MD	L Unit	t D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	15	0 ug/ł	<g< td=""><td></td><td>08/15/12 22:06</td><td>1</td></g<>		08/15/12 22:06	1

Benzo[a]pyrene

Client Sample ID: SB-25-3 Date Collected: 08/09/12 12:24							Lab Sam	ple ID: 440-1 Matri	9898-8 x: Solid
Date Received: 08/09/12 18:05									
Surrogate	%Pecovery	Qualifier	l imite				Prepared	Analyzod	Dil Eac
4-Bromofluorobenzene (Surr)	/%Recovery		65 140				Frepared	08/15/12 22:06	
	59	~	05 - 140					00/13/12 22.00	,
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
	<i></i>	0 ""					- <i>.</i>		<b>5</b> .7 <b>5</b>
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
II-Oclacosane	110		40 - 140				00/13/12 09.03	08/17/12 09.07	5
Client Sample ID: EB-0809	12						Lab Sam	ple ID: 440-1	9898-9
Date Collected: 08/09/12 15:30								Matrix	k: Water
Date Received: 08/09/12 18:05									
Method: 8270C - Semivolatile	Organic Compou	nds (GC/MS)	DI DI	MDI	11		Drevered	A melli me d	
Analyte		Quaimer	RL			D			
			9.5	2.4	ug/L		00/10/12 15.50	08/20/12 04:28	1
			9.5	2.9	ug/L		00/10/12 15.50	08/20/12 04.20	1
1,2-Diphenylhydrazine(as	ND		19	2.4	ug/L		00/10/12 15.50	06/20/12 04.26	I
1.3-Dichlorobenzene	ND		9.5	2.9	ua/L		08/16/12 15:58	08/20/12 04:28	1
1.4-Dichlorobenzene	ND		9.5	2.4	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4.5-Trichlorophenol	ND		19	2.9	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4.6-Trichlorophenol	ND		19	4.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dichlorophenol	ND		9.5	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dimethylphenol	ND		19	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dinitrophenol	ND		19	7.6	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.4-Dinitrotoluene	ND		9.5	3.3	ua/L		08/16/12 15:58	08/20/12 04:28	1
2.6-Dinitrotoluene	ND	*	9.5	1.9	ua/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
		*	0.5	2.4			08/16/12 15:58	08/20/12 04.28	1

1

08/20/12 04:28

9.5

2.9 ug/L

08/16/12 15:58

ND

9.5

9.5

9.5

19

MDL Unit

2.4 ug/L

9.5 ug/L

ug/L

1.9 ug/L

3.8

D

Prepared

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

### Client Sample ID: EB-080912 Date Collected: 08/09/12 15:30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

ND

Date Received: 08/09/12 18:05

Analyte

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

Benzo[k]fluoranthene

Benzoic acid

### Lab Sample ID: 440-19898-9 Matrix: Water

Analyzed

08/20/12 04:28

08/20/12 04:28

08/20/12 04:28

08/20/12 04:28

5

Dil Fac

1

1

1

		-							00/45/40 00 55	
Method: 8015B - Gasoline Rang Analyte	e Organics - (G Result	C) Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
_										
Phenol-d6 (Surr)	56		35 - 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
Nitrobenzene-d5 (Surr)	68		45 - 120					08/16/12 15:58	08/20/12 04:28	
2.4.6-Tribromophenol (Surr)	57		40 - 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-Fluorobiphenvl	66							08/16/12 15:58	08/20/12 04:28	1
Surrogate	%Recoverv	Qualifier	Limits					Prepared	Analvzed	Dil Fac
Tentatively Identified Compound	None		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
bis (2-chloroisopropyl) ether	ND		9.5		2.4	ug/L		08/16/12 15:58	08/20/12 04:28	1
Pyrene	ND	••••••	9.5		3.8	ua/L		08/16/12 15:58	08/20/12 04:28	1
Phenol	33	л	9.5		1.9	3/- ua/l		08/16/12 15:58	08/20/12 04.28	1
Phenanthrene	ND	*	9.5		3.3	ua/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
N-Nitrosodinhenvlamine		*	9.5		1 9	ug/L		08/16/12 15:58	08/20/12 04:28	1
N-Nitrosodi-n-propylamine			95		2.3	ug/L		08/16/12 15:58	08/20/12 04:28	1
Nitrobenzene	ND		19		2.0	ug/L		08/16/12 15:58	08/20/12 04:28	' 1
Nanhthalene		*	9.5		2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1
			19		20	ug/L		08/16/12 15:58	08/20/12 04:28	1
			9.5		3.3	ug/L		08/16/12 15:58	08/20/12 04:28	ا 1
Hexachloroothano			19		4.0	ug/L		08/16/12 15:58	08/20/12 04.28	1
Hexachioroputadiene	ND		9.5		3.0	ug/L		08/16/12 15:58	08/20/12 04:28	1
Hexachiorobenzene	ND		9.5		2.9	ug/L		08/16/12 15:58	08/20/12 04:28	1 م
Fluorene	ND	* +	9.5		2.9	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
Di-n-octyl phthalate	ND		19		3.3	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
Dimethyl phthalate	ND		9.5		2.4	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
Dibenzofuran	ND	*	9.5		3.8	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
Chrysene	ND	*	9.5		2.4	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
Bis(2-ethylhexyl) phthalate	ND	*	48		3.8	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-chloroethoxy)methane	ND		9.5		2.9	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

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

Lab Sample ID: 440-19898-9

Matrix: Water

### Client: MWH Americas Inc Project/Site: GE duarte

### Client Sample ID: EB-080912

Date Collected: 08/09/12 15:30 Date Received: 08/09/12 18:05

Method: 8015B - Diesel Range O	rganics (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

Initial

Amount

15.02 g

5.37 g

30.03 g

Final

Amount

2 mL

10 mL

2 mL

Batch

44471

44815

44867

45421

46023

Number

Dil

2

1

1

Factor

Run

Client Sample ID: SB-27-0.5

Batch

Туре

Prep

Analysis

Analysis

Analysis

Prep

Batch

Method

3546

8270C

8015B

8015B

**CALUFT** 

Date Collected: 08/09/12 09:58

Date Received: 08/09/12 18:05

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 440-19898-1

Analyst

AG

AI

RG

JR

Lab Sample ID: 440-19898-2

Prepared

or Analyzed

08/10/12 08:51

08/13/12 05:55

08/13/12 17:38

08/17/12 10:49

08/15/12 09:03 AD

Matrix: Solid

Lab

TAL IRV

TAL IRV

TAL IRV

TAL IRV

TAL IRV

Matrix: Solid

# 6

## Client Sample ID: SB-27-3

### Date Collected: 08/09/12 10:23

Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 08/09/12 10:48 Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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**

Date Collected: 08/09/12 11:02 Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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 Sample ID: 440-19898-3 Matrix: Solid

## Lab Sample ID: 440-19898-4

Matrix: Solid

Lab Sample ID: 440-19898-6

### Lab Sample ID: 440-19898-5 Matrix: Solid

Date Collected: 08/09/12 11:22 Date Received: 08/09/12 18:05

Client Sample ID: SB-25-0.5

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Collected: 08/09/12 11:38

Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Collected: 08/09/12 12:02

Date Received: 08/09/12 18:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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

Date Collected: 08/09/12 12:24

### Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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 Sample ID: 440-19898-7

Lab Sample ID: 440-19898-8

Matrix: Solid

Matrix: Solid

Matrix: Solid

### Lab Sample ID: 440-19898-9 Matrix: Water

### Client Sample ID: EB-080912 Date Collected: 08/09/12 15:30

## Date Received: 08/09/12 18:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: MB 440-44471/1-A

**Client Sample ID: Method Blank** 

5 6 7

### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 44815								Prep Batch	n: 44471
	MB	МВ							
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 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	ND		330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Azobenzene)			330	00	ua/Ka		08/10/12 08:51	08/13/12 00.30	1
			330	90	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
			330	120	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
2,4,5- menorophenol			220	130	ug/Kg		08/10/12 08:51	08/13/12 00:39	
2,4,0- menorophenol			330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dichlorophenol			330	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2,4-Dimetryphenol			660	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	······ 1
			220	00	ug/Kg		00/10/12 00:51	08/13/12 00:39	1
			330	00	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
			220	95	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			330	70	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
2 Methylpenbthelene			330	70	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	
			330	00 60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			330	60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			330	450	ug/Kg		06/10/12 06:51	00/13/12 00:39	
	ND		830	150	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
	ND		330	75	ug/Kg		06/10/12 06:51	00/13/12 00:39	1
4,6-Dinitro-2-metnyiphenoi			420	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1 
4-biomophenyi phenyi ether			330	75	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chlorossiline	ND		330	100	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4-Chlorophonyl phonyl other			330	120	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
2 Methylphenel / 4 Methylphenel			330	00	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			830	00	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
4 Nitrophonol			830	140	ug/Kg		08/10/12 08:51	08/13/12 00:39	······ 1
			220	60	ug/Kg		00/10/12 00:51	08/13/12 00:39	1
			330	70	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
Apilino			420	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	
Anthropopo			420	00	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
Renzidine			550	00	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
Benzelalanthracana			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
Ponzolajantinacene			330	70	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
Benzo[a]pyrene			330	50	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
			220	110	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Benzo[k]fluoranthana			330	70	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			830	150	ug/Kg		00/10/12 00:51	08/13/12 00:39	1
			330	200	ug/Kg		08/10/12 08:51	08/13/12 00:39	· · · · · · · · · · · · · · · · · · ·
			330	200	ug/Kg		00/10/12 00:51	08/13/12 00:39	1
Bis(2-chloroethyl)athar			170	70 60	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2 othy/beyy/) phthalato			330	00	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
Bis(2-ethylnexyl) philalate			330	90	ug/Kg		08/10/12 08:51	08/13/12 00:39	1
			330 330	00 75	ug/Kg		08/10/12 00:01	08/13/12 00.39	1
Dibenz(a b)anthracene	םוא 		420	100	ug/Kg		08/10/12 09:51	08/13/12 00.39	 1
Dibenzofuran	םוא שוא		+∠∪ 330	001	ug/Kg		08/10/12 00.01	08/13/12 00.39	1
	םוא שאי		330	00	ug/Kg		08/10/12 08:51	08/13/12 00.39	1
Dimethyl obthalate	םא חוא		330	90 85	ug/Kg		08/10/12 09:54	08/13/12 00.39	······
	ND		330	60	uy/Ny		00/10/12 00:01	00/13/12 00:39	I

Lab Sample ID: MB 440-44471/1-A

Client Sample ID: Method Blank	
Prep Type: Total/NA	_
Prep Batch: 44471	

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 44815								Prep Batch	n: 44471
	MB	MB							
Analyte	Result	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
	MB	МВ							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	7300	TJN	ug/Kg		3.00	123-42-2	08/10/12 08:51	08/13/12 00:39	1
	MB	МВ							
Surrogate	%Recovery	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					c	lient Sample I	D: Lab Control	Sample

### 44/1/2 Matrix: Solid

### Analysis Batch: 44815 Prep Batch: 44471 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 1,2,4-Trichlorobenzene 3330 2140 64 40 - 120 ug/Kg 1,2-Dichlorobenzene 3330 2130 ug/Kg 64 40 - 120 3330 2240 67 50 - 125 1,2-Diphenylhydrazine(as ug/Kg Azobenzene) 3330 2060 62 1,3-Dichlorobenzene ug/Kg 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 73 2450 ug/Kg 45 - 120 3330 2,4-Dimethylphenol 2050 ug/Kg 62 40 - 120 2,4-Dinitrophenol 3330 2230 67 25 - 120 ug/Kg 71 2,4-Dinitrotoluene 3330 2360 55 - 125 ug/Kg 2,6-Dinitrotoluene 3330 2400 ug/Kg 72 55 - 125

### Prep Type: Total/NA

**TestAmerica** Irvine 8/23/2012

**Client Sample ID: Lab Control Sample** 

# 2 3 4 5 6 7 8 9 10 11 12

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44471/2	-A
Matrix: Solid	

Matrix: Solid						Prep Type: Total/NA
Analysis Batch: 44815						Prep Batch: 44471
	Spike	LCS	LCS			%Rec.
Analyte	Added	Result	Qualifier Un	it C	0 %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

Lab Sample ID: 440-19898-7 MS

Client Sample ID: SB-26-3

### 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
· · · · · · · · · · · · · · · · · · ·	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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
LCS	CS						

	200	200	
Surrogate	%Recovery	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

Matrix: Solid									Prep Typ	be: Total/NA
Analysis Batch: 44815									Prep B	atch: 44471
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

2260

1930

2320

2310

2350

ND F

Result Qualifier

Unit

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

D

%Rec

68

58

70

0

70

71

Spike

Added

3320

3320

3320

3320

3320

3320

Analysis Batch: 44815

Analyte

Aniline

Anthracene

Benzidine

Acenaphthylene

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[g,h,i]perylene Benzo[k]fluoranthene

Benzo[a]pyrene

Benzoic acid Benzyl alcohol **Client Sample ID:** 

%Rec.

Limits

45 - 120

25 - 120

55 - 120

20 - 120

50 - 120

45 - 125

# 7

L Sample ID: 5B-20-5	
Prep Type: Total/NA	
Prep Batch: 44471	
Rec.	
mits	
100	

	3320	2460	ug/Kg	74	45 - 125
	3320	3080	ug/Kg	93	25 _ 130
	3320	2570	ug/Kg	77	45 - 125
	3320	2540	ug/Kg	77	20 - 120
	3320	2010	ug/Kg	61	20 - 120
	3320	1970	ug/Kg	59	45 - 120
	3320	1960	ug/Kg	59	35 _ 110
	3320	2240	ug/Kg	67	45 _ 130
	3320	2520	ug/Kg	76	45 - 125
	3320	2260	ug/Kg	68	55 - 120
	3320	2450	ug/Kg	74	25 _ 135
	3320	2140	ug/Kg	65	50 - 120
	3320	2410	ug/Kg	72	50 - 125
	3320	2250	ug/Kg	68	45 _ 125
	3320	2190	ug/Kg	66	50 - 125
	3320	2630	ug/Kg	79	50 _ 135
	3320	2130	ug/Kg	64	45 _ 120
	3320	2180	ug/Kg	66	50 - 120
	3320	2270	ug/Kg	68	50 - 120
	3320	1930	ug/Kg	58	40 - 120
	3320	1980	ug/Kg	60	20 - 125
	3320	1920	ug/Kg	58	35 - 120
	3320	2810	ug/Kg	85	20 - 130
	3320	2090	ug/Kg	63	40 - 120
	3320	1960	ug/Kg	59	40 - 120
	3320	1970	ug/Kg	59	40 - 120
	3320	2370	ug/Kg	71	35 - 120
	3320	2390	ug/Kg	72	45 - 125
	3320	2330	ug/Kg	70	30 - 120
	3320	2260	ug/Kg	68	50 - 120
J	3320	2430	ug/Kg	69	40 - 120
	3320	2460	ug/Kg	74	40 - 125
	3320	1980	ug/Kg	60	40 - 120
MS					

Lab Sample ID: 440-19898-7 MS	
Matrix: Solid	

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Sample Sample

ND

ND

ND

ND

ND

ND

ND

ND

ND ND

ND

Result Qualifier

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
	MS	MS					
Surrogate	%Recovery	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)

Dimethyl phthalate

Lab Sample ID: 440-19898-7 MSD

# Client Sample ID: SB-26-3 5 6 7 8 9 10 11

Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 44815									Prep	Batch:	44471
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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		ua/Ka		72	35 - 120	2	25
4-Bromophenyl phenyl ether	ND		3330	2300		ua/Ka		69	45 - 120	0	20
4-Chloro-3-methylphenol	ND		3330	2370		ua/Ka		71	50 - 125	2	25
4-Chloroaniline	ND		3330	1710		ua/Ka		51	20 - 120	0	30
4-Chlorophenyl phenyl ether	ND		3330	2090		ua/Ka		63	50 120	1	25
3-Methylphenol + 4-Methylphenol	ND		3330	2450		ug/Kg		73	50 120		25
4-Nitroaniline	ND		3330	2010		ug/Kg		60	40 125	5	30
4-Nitronhenol			3330	2010		ug/Kg		68	35 125	5	30
Aconophthono			3330	2060		ug/Kg		62	45 120	1	25
			3330	2000		ug/Kg		60	45 120	1	20
Anilino			2220	1010		ug/Kg		57			20
Anthree			2220	1910		ug/Kg		57	20 - 120 55 120	ا د	30
Ponzidino			2220	2200	-	ug/Kg		00	20 120		20
			2220	2250		ug/Kg		60	20 - 120 50 120	201	
Benzolajarunacene	ND		3330	2200		ug/Kg		00	00 - 120 45 - 105	ა ი	20
	ND		3330	2300		ug/Kg		09	40 - 120	2	20
Benzolbjiluorantnene	ND		3330	2410		ug/Kg		/2	45 - 125	2	30
Benzolg,n,Ijperviene	ND		3330	3160		ug/Kg		95	25 - 130	3	30
	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

1

25

67

45 - 125

2230

ug/Kg

3330

ND

Lab Sample ID: 440-19898-7 MSD

Client Sample ID: SB-26-3

# 5 6 7

0					
Kg	62	20 - 125	4	30	9
Kg	58	35 - 120	1	30	
Kg	84	20 - 130	1	30	
Kg	64	40 - 120	2	25	
Kg	60	40 - 120	3	25	
Kg	62	40 - 120	4	25	
Kg	73	35 - 120	2	25	
Kg	71	45 - 125	2	25	
Kg	69	30 - 120	1	25	
Kg	65	50 - 120	4	25	

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45901

Method: 8270C - Semivolatile Organic Compounds	(GC/MS)	(Continued)

Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 44815									Prep	Batch:	44471
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

Matrix: Water

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

Prepared

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

08/16/12 15:58

Prep Type: Total/NA

Prep Batch: 45901

Dil Fac

1

1

7
8
9

9	

08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
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08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	
08/19/12 22:16	1	

Analysis Batch: 46371						
-	MB	МВ				
Analyte	Result	Qualifier	RL	MDL	Unit	D
2-Nitroaniline	ND		20	2.0	ug/L	
2-Nitrophenol	ND		10	3.5	ug/L	
3,3'-Dichlorobenzidine	ND		20	7.5	ug/L	
3-Nitroaniline	ND		20	3.0	ug/L	
4,6-Dinitro-2-methylphenol	ND		20	4.0	ug/L	
4-Bromophenyl phenyl ether	ND		10	3.0	ug/L	

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

10

10

Unit

ug/L

MDL Unit

4.0 ug/L

2.5 ug/L

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

MB MB

MB MB

8.41 TJN

MB MB

60

49 62

66

71

58

Qualifier

%Recovery

Est. Result Qualifier

ND

ND

**Result Qualifier** 

Analysis Batch: 46371

bis (2-chloroisopropyl) ether

Tentatively Identified Compound

Matrix: Water

Analyte

Pyrene

Tritetracontane

2-Fluorobiphenyl

2-Fluorophenol (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

2,4,6-Tribromophenol (Surr) Nitrobenzene-d5 (Surr)

Surrogate

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 45901

Dil Fac

1

1

							7
it /L	<u>D</u>	<b>RT</b> 10.52	CAS No. 7098-21-7	Prepared 08/16/12 15:58	Analyzed	Dil Fac	8
Limits				Prepared	Analyzed	Dil Fac	9
50 - 120	-			08/16/12 15:58	08/19/12 22:16	1	
30 - 120				08/16/12 15:58	08/19/12 22:16	1	
40 - 120				08/16/12 15:58	08/19/12 22:16	1	
45 - 120				08/16/12 15:58	08/19/12 22:16	1	
50 - 125				08/16/12 15:58	08/19/12 22:16	1	
35 - 120				08/16/12 15:58	08/19/12 22:16	1	

Prepared

08/16/12 15:58

08/16/12 15:58

D

### Lab Sample ID: LCS 440-45901/2-A Matrix: Water

Analysis Batch: 46371

Analysis Batch: 46371							Prep Ba	itch: 45901
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	100	61.3		ug/L		61	60 - 120	
Azobenzene)								
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	

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr)

Terphenyl-d14 (Surr)

Phenol-d6 (Surr)

2,4,6-Tribromophenol (Surr)

# 2 3 4 5 6 7 8 9 10 11 12

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

44

61

62

61

51

Lab Sample ID: LCS 440-45	901/2-A						Client	t Sample	ID: Lab Co	ntrol Sample
Matrix: Water									Prep T	ype: Total/NA
Analysis Batch: 46371									Prep	Batch: 45901
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%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		ua/L		40	40 - 120	
Hexachlorocvclopentadiene			100	42.9		ua/L		43	25 - 120	
Hexachloroethane			100	38.5		ua/L		39	35 - 120	
Indeno[1,2,3-cd]pyrene			100	68.4		ua/L		68	45 - 135	
Isophorone			100	63.5		ua/L		64	50 - 120	
Naphthalene			100	51.9	*	<u>-</u>		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-Nitrosodinhenvlamine			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	
his (2-chloroisonronyl) ether			100	58 0		ug/L		50	45 120	
			100	50.9		uy/L		00	70 - 120	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
2-Fluorobiphenyl	58		50 - 120							

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30 - 120

40 - 120

45 \_ 120

50 - 125

35 - 120

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A Matrix: Water				Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prop Batch: 45904						
Analysis Batch: 463/1	0	1.000	1.000				Prep	Batch:	45901	
<b>A</b> nalyte	Spike	LCSD Result	LCSD Qualifier	Unit	р	%Rec	%Rec. Limits	RPD	RPD Limit	
124-Trichlorobenzene	100	48.1		- <u>ua/l</u>		48	45 - 120	5	20	
1.2-Dichlorobenzene	100	44.0		ua/L		44	40 - 120	1	25	
1 2-Dinhenvlhydrazine(as	100	64.6		ua/L		65	60 - 120	5	25	
Azobenzene)	100	0.110					001.20	Ũ	20	
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	

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### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-45901/3-A Matrix: Water		Clie	ent San	ple ID:	Lab Contro Prep T	I Sampl	e Dup tal/NA		
Analysis Batch: 46371							Prep	Batch:	45901
· · · · · · · · · · · · · · · · · · ·	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
LCSD_LCSI	)								

	LUGD	LUGD	
Surrogate	%Recovery	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										Client S	Sample ID: Metho	od Blank
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 44867												
-	МВ	MB										
Analyte	Result	Qualifier	RL		MDL	Unit		D	Ρ	repared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		150	ug/Kg					08/13/12 10:20	1
	MB	МВ										
Surrogate	%Recovery	Qualifier	Limits						Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		65 - 140					-			08/13/12 10:20	1
 Lab Sample ID: LCS 440-44867/2								CI	ient	Sample	e ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 44867												
-			Spike	LCS	LCS						%Rec.	
Analyte			Added	Result	Qual	lifier	Unit		D	%Rec	Limits	
GRO (C4-C12)			1600	1410			ug/Kg		_	88	70 - 135	

Limits 65 - 140

Spike

Added

Limits

65 - 140

1600

LCSD LCSD

1430

**Result Qualifier** 

Unit

ug/Kg

Analysis Batch: 44867

4-Bromofluorobenzene (Surr)

Analysis Batch: 44867

4-Bromofluorobenzene (Surr)

Matrix: Solid

Matrix: Solid

GRO (C4-C12)

Matrix: Solid

Analyte

Surrogate

Surrogate

Lab Sample ID: LCS 440-44867/2

Lab Sample ID: LCSD 440-44867/3

Lab Sample ID: 440-19872-A-3 MS

TestAmerica Job ID: 440-19898-1

**Client Sample ID: Lab Control Sample** 

Client	Sam	ple ID: I	Lab Contro	ol Sampl	e Dup	7			
Prep Type: Total/NA									
			%Rec.		RPD				
	D	%Rec	Limits	RPD	Limit	9			
g		89	70 - 135	1	20	_			

Prep Type: Total/NA

### **Client Sample ID: Matrix Spike** Prep Type: Total/NA

Analysis Batch: 44867										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
GRO (C4-C12)	ND		1450	1070		ug/Kg		74	60 - 140	 
	MS	MS								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		65 - 140

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

LCS LCS

LCSD LCSD %Recovery Qualifier

116

%Recovery Qualifier

128

### Lab Sample ID: 440-19872-A-3 MSD Matrix: Solid alvaia Pate 44967

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1430	1010		ug/Kg		71	60 - 140	5	30
	MSD	MSD									

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		65 - 140
 Lab Sample ID: MB 440-45258/3			

### **Client Sample ID: Method Blank** Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Water
Analysis Batch: 45258

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		50	25	ug/L			08/14/12 15:17	1
	MB	МВ							
Surrogate	%Recovery	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 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 45258 Spike LCS LCS %Rec. Analyte Added **Result Qualifier** Unit D %Rec Limits GRO (C4-C12) 800 667 83 80 - 120 ug/L

**TestAmerica** Irvine 8/23/2012
Lab Sample ID: LCS 440-45258/2

TestAmerica Job ID: 440-19898-1

**Client Sample ID: Lab Control Sample** 

Method: 8015B - Gasoline Range Organics - (GC) (Continued)	

Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	105	105									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		65 - 140								
Lab Sample ID: 440-19892-A-3	MS							Client	Sample ID:	Matrix	Spike
Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
GRO (C4-C12)	42	J	800	673		ug/L		79	65 - 140		
	MS	MS									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		65 - 140								
Lab Sample ID: 440-19892-A-3	MSD					С	lient S	ample ID	): Matrix Sp	ike Duj	plicate
Matrix: Water									Prep Ty	ype: To	tal/NA
Analysis Batch: 45258											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	42	J	800	654		ug/L		77	65 - 140	3	20
	MSD	MSD									
Surrogate	%Recoverv	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		65 - 140								
Lab Sample ID: MB 440-45520/	4							<b>Client S</b>	ample ID: N	<b>lethod</b>	Blank
Lab Sample ID: MB 440-45520/ Matrix: Solid	4							Client S	ample ID: M Prep Ty	/lethod ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520	4							Client S	ample ID: M Prep Ty	Method ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520	4	MB MB						Client S	ample ID: M Prep Ty	Aethod ype: To	Blank tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte	4 	MB MB esult Qualifier			MDL Unit		D	Client S Prepared	ample ID: M Prep Ty Analyze	Method ype: To	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier	<u></u>		MDL Unit		D F	Client S Prepared	Gample ID: M Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 R(	MB MB esult Qualifier ND MB MB	RL 400		MDL Unit		DF	Client S	Cample ID: M Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate	4 <u></u> % <i>R</i> eco	MB MB esult Qualifier ND MB MB vvery Qualifier	RL 400 <i>Limits</i>		MDL Unit 150 ug/Kg		<u>D</u> F	Client S Prepared	Gample ID: N Prep Ty 	Method ype: To ed 5:06	Blank tal/NA Dil Fac 1 Dil Fac
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB wery Qualifier 98	RL 400 <u>Limits</u> 65 - 140		MDL Unit 150 ug/Kg		DF	Client S Prepared	Cample ID: N Prep Ty 	Method           ype: To           ed           5:06           ed           5:06	Blank tal/NA Dil Fac 1 Dil Fac 1
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D _ F	Client S Prepared	Cample ID: N Prep Ty 08/15/12 1 Analyze 08/15/12 1	Aethod           ype: To           ad         -           5:06         -           ad         -           ad         -           ad         -           ad         -           5:06         -	Blank tal/NA Dil Fac 1 Dil Fac 1
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 08/15/12 1 Analyze 08/15/12 1 e ID: Lab Co	Aethod           ype: To           ad           5:06           -           ad           (5:06)           -           ontrol S	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid	4 	MB MB esult Qualifier ND MB MB very Qualifier 98	RL 400 		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 	Aethod           ype: To           ad           5:06           -           ad           5:06	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520	4 	MBMBesultQualifierNDMBMBveryQualifier98	RL 400 <i>Limits</i> 65 - 140		MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 08/15/12 1 08/15/12 1 08/15/12 1 e ID: Lab Co Prep Ty	Aethod           ype: To           2d           5:06           -           2d           -           2d           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -           -	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520	4  %Reco	MB MB esult Qualifier ND MB wery Qualifier 98	— RL 400 — Limits 65 - 140 Spike	LCS	MDL Unit 150 ug/Kg		D F	Client S Prepared Prepared	Cample ID: N Prep Ty 	Aethod ype: To ed 5:06 - (5:06	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte	4 	MB MB esult Qualifier MB MB every Qualifier 98	RL 400 	LCS Result	MDL Unit 150 ug/Kg LCS Qualifier	Unit	D F F Clien	Client S Prepared Prepared t Sample	Analyze Analyze O8/15/12 1 Analyze O8/15/12 1 DS Lab Co Prep Ty %Rec. Limits	Aethod ype: To ed 5:06 /5:06 /5:06 ontrol S ype: To	Blank tal/NA Dil Fac 1 Dil Fac 1 sample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	RL 400 400 65 - 140 65 - 140 1600	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample %Rec 92 92	Analyze           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           9/08/15/12 1           9/08/15/12 1           9/08/15/12 1           9/08/15/12 1           10: Lab Coo           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - sof 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:06 - 5:00 - 5:00 - 5:06 - 5:0 - 5:00 - 5:00 - 5	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12)	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 LCS	Limits           65 - 140           Spike           Added           1600	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F F Clien D	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           08/15/12 1           WRec.           Limits           70 - 135	Aethod ype: To ed 5:06 - whtrol S ype: To	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	RL           400           Limits           65 - 140           Spike           Added           1600           Limits	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F F Clien	Client S Prepared Prepared t Sample %Rec 92 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Bib: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - whtrol S ype: To	Blank tal/NA Dil Fac 1 <i>Dil Fac</i> 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr)	4 	MB MB esult Qualifier ND Qualifier MB MB very Qualifier 98 LCS Qualifier	Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg	D F	Client S Prepared Prepared t Sample	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           BID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 - (5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552	4 	MB MB esult Qualifier ND MB MB every Qualifier 98	Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D	Client S Prepared Prepared t Sample %Rec 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135	Aethod ype: To ed 5:06 	Blank tal/NA Dil Fac 1 mample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid	4 	MB MB esult Qualifier ND MB MB every Qualifier 98 Unable Content of the second	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D -	Client S Prepared Prepared t Sample %Rec 92	Analyze OB/15/12 1 Analyze 08/15/12 1 Analyze 08/15/12 1 Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty	Aethod ype: To 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB wery Qualifier 98 LCS Qualifier	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Clien D	Client S Prepared Prepared t Sample	Analyze OB/15/12 1 Analyze OB/15/12 1 Analyze OB/15/12 1 DI: Lab Co Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty	Aethod ype: To ed 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	RL         400         Limits         65 - 140         Spike         Added         1600         Limits         65 - 140	LCS Result 1480	MDL 150 Unit ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D	Client S Prepared t Sample %Rec 92	Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           Analyze           08/15/12 1           ID: Lab Co           Prep Ty           %Rec.           Limits           70 - 135           Lab Control           Prep Ty           %Rec.	Aethod ype: To 5:06 - ontrol S ype: To	Blank tal/NA Dil Fac 1 ample tal/NA
Lab Sample ID: MB 440-45520/ Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 440-45520 Matrix: Solid Analysis Batch: 45520 Analyte GRO (C4-C12) Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 440-4552 Matrix: Solid Analysis Batch: 45520 Analysis Batch: 45520	4 	MB MB esult Qualifier ND MB MB very Qualifier 98 LCS Qualifier	RL           400           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140           Spike           Added           1600           Limits           65 - 140	LCS Result 1480 LCSD Result	MDL Unit 150 ug/Kg LCS Qualifier	Unit ug/Kg Clie	D F F Client D nt San	Client S Prepared t Sample %Rec 92	Analyze OB/15/12 1 Analyze OB/15/12 1 Analyze OB/15/12 1 DI: Lab Co Prep Ty %Rec. Limits 70 - 135 Lab Control Prep Ty %Rec. Limits	Aethod ype: To 5:06 - ontrol S ype: To ype: To RPD	Blank tal/NA Dil Fac 1 ample tal/NA le Dup tal/NA RPD Limit

Lab Sample ID: LCSD 440-45520/3

**Client Sample ID: Lab Control Sample Dup** 

# 5 6 7 8 9 10 11

Client Sample ID: Matrix Spike									
Prep Type: Total/NA									
	%Rec.								

Method: 8015B - Gasoline Range	e Organics - (GC) (Continued)
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Matrix: Solid									Prep <sup>-</sup>	Type: Tot	tal/NA
Analysis Batch: 45520											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		65 - 140								
Lab Sampla ID: 440 20026 A 4	MS							Client	Sample ID	Motrix	Sniko
Lab Sample ID. 440-20036-A-1	NI S							Client	Drop <sup>-</sup>		Spike
Analysis Detable 45520									Frep	Type: To	lai/NA
Analysis Batch: 45520	Sample	Sample	Spiko	ме	MS				% Poc		
Analyta	Booult	Ouglifier	Spike	Beault	Qualifiar	Unit	п	% Baa	%Rec.		
		Quaimer	Audeu		Quaimer						
GRU (04-012)	ND		1470	1160		ug/Kg		79	60 - 140		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		65 - 140								
	MOD					0		succession of the	Materia O		lieste
Lab Sample ID: 440-20036-A-1	IVISD					CI	ient Sa	ampie iL	Drem	ріке Dup	
Matrix: Solid									Prep	iype: io	
Analysis Batch: 45520	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		68	60 - 140	8	30
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	85		65 - 140								

# Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-45524/1 Matrix: Water Analysis Batch: 45425	- <b>A</b>									Client Sa	mple ID: Meth Prep Type: Prep Bato	od Blank Total/NA h: 45524
Analyte	Res	ult Qualifie	r	RL	MDL	Unit		D	Р	repared	Analyzed	Dil Fac
C13-C22		ND		0.50	0.10	mg/L			08/1	5/12 13:16	08/16/12 08:54	1
C23-C40		ND		0.50	0.10	mg/L			08/1	5/12 13:16	08/16/12 08:54	1
		MB MB										
Surrogate	%Recov	ery Qualifie	r Limit	s					P	repared	Analyzed	Dil Fac
n-Octacosane		81	45 - 1	20					08/1	5/12 13:16	08/16/12 08:54	1
Lab Sample ID: LCS 440-45524/2 Matrix: Water	2-A							CI	lient	Sample	ID: Lab Contro Prep Type:	l Sample Total/NA
Analysis Batch: 45426			<b>.</b>								Prep Bato	h: 45524
			Spike	LCS	LCS				_	~ <del>-</del>	%Rec.	
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28			1.00	0.801			mg/L			80	40 - 115	
	LCS I	cs										
Surrogate	%Recovery	Qualifier	Limits									
n-Octacosane	76		45 _ 120									

# Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 440-45	524/3-A						CI	ient	Sam	nple ID: L	ab Contro	I Samp	le Dup
Matrix: water											Prep I	ype: IC	
Analysis Batch: 45426			Spiko		1.095	<b>`</b>					Prep %Poc	Batch	45524 000
Analyta			Spike	Booult	Ouali	ifian	Unit			% Boo	%Rec.	000	
	·			Result	Quali	mer	Unit		- <u> </u>				
010-028			1.00	0.001			mg/L			00	40 - 115	10	25
	LCSD	LCSD											
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	64		45 - 120										
Lab Sample ID: MB 440-4612	1/1-A									<b>Client S</b>	ample ID: I	Method	I Blank
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
		MB MB											
Analyte	R	esult Qualifier	RL	-	MDL	Unit		D	Р	repared	Analyz	ed	Dil Fac
C13-C22		ND	5.0	)	3.5	mg/Kg		_	08/1	7/12 12:04	08/18/12 0	01:54	1
C23-C40		ND	5.0	)	3.5	mg/Kg			08/1	7/12 12:04	08/18/12 (	01:54	1
		MB MB											
Surrogate	%Reco	overy Qualifier	Limits	_					P	repared	Analyz	ed	Dil Fac
n-Octacosane		77	40 - 140						08/1	7/12 12:04	08/18/12 (	01:54	1
Lab Sample ID: LCS 440-4612 Matrix: Solid Analysis Batch: 46023	21/2-A							С	lient	t Sample	ID: Lab Co Prep T Prep	ontrol S ype: To Batch:	Sample otal/NA : 46121
-			Spike	LCS	LCS						«Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28			33.3	24.2	-		mg/Kg			73	45 - 115		
	LCS	LCS											
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	72		40 - 140										
Lab Sample ID: LCS 440-4612	21/3-A							С	lient	t Sample	ID: Lab Co	ontrol S	Sample
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
			Spike	LCS	LCS						%Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28			33.3	22.7			mg/Kg			68	45 - 115		
	1.00	105											
Ourseason of a	LUS	203	1										
Surrogate	%Recovery	Qualifier	Limits										
n-Octacosane	68		40 - 140										
Lab Sample ID: LCS 440-4612	21/4-A							С	lient	Sample	ID: Lab Co	ontrol S	Sample
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 46023											Prep	Batch:	46121
			Spike	LCS	LCS						%Rec.		
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits		
C10-C28			33.3	25.2			mg/Kg			75	45 - 115		
	1.00	1.05											
Ourse and the		263	1										
	%Recovery	Qualifier											
n-Octacosane	74		40 - 140										

# Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-461 Matrix: Solid Analysis Batch: 46023	21/5-A						Client	t Sample	e ID: Lab Co Prep Ty Prep	ontrol Sample ype: Total/NA Batch: 46121
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
C10-C28			33.3	24.5		mg/Kg		74	45 - 115	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
n-Octacosane	73		40 - 140							
n-Octacosane 	/3		40 - 140							

Prep Type

Total/NA

Prep Type

Matrix

Solid

Matrix

**GC/MS Semi VOA** 

Prep Batch: 44471

Lab Sample ID

440-19898-1

440-19898-2

440-19898-3

440-19898-4

440-19898-5

440-19898-6

440-19898-7

440-19898-8

440-19898-7 MS

440-19898-7 MSD

LCS 440-44471/2-A

MB 440-44471/1-A

Analysis Batch: 44815

Method

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

Method

Prep Batch

Prep Batch

# 10

_	
Lab Sample ID	Client Sample ID
440 40000 4	00.07.0.5

**Client Sample ID** 

SB-27-0.5

SB-27-3

SB-28-3

SB-25-0.5

SB-26-0.5

SB-26-3

SB-26-3

SB-26-3

SB-25-3

Lab Control Sample

Method Blank

SB-28-0.5

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	Ргер Туре	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	CALUFT	
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	Ргер Туре	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	Ргер Туре	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
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
Lab Sample ID	Client Sample ID	Ргер Туре	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 MB 440-45524/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
Analysis Batch: 46023					

Lab Sample ID	Client Sample ID	Ргер Туре	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 Pre	p Batch
LCS 440-46121/2-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/3-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/4-A	Lab Control Sample	Total/NA	Solid	CALUFT	
LCS 440-46121/5-A	Lab Control Sample	Total/NA	Solid	CALUFT	
MB 440-46121/1-A	Method Blank	Total/NA	Solid	CALUFT	

# 2 3 4 5 6 7

# 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.	5
F	MS or MSD exceeds the control limits	0
х	Surrogate is outside control limits	
*	LCS or LCSD exceeds the control limits	
GC/MS Sem	ni VOA TICs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	8
Ν	Presumptive evidence of material.	U
Т	Result is a tentatively identified compound (TIC) and an estimated value.	9
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.	
Х	Surrogate is outside control limits	
GC Semi VC	DA	
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.
<del></del> ¢	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)

#### 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

TestAmerica Irvine			TestAmerico
Suite 100	Chain	of Custody Record	THE LEADER IN ENVIRONMENTAL TESTIN
Irvine, CA 92614 phone 949.261.1022 fax 949.260.3299			TestAmerica Laboratories, Inc.
Client Contact	Project Manager: Michael Flaugher	lite Contact: Joan Dolmat Date: 🍸	G/12 COC No:
MWH - Arcadia	Tel/Fax: 626-568-6671	ab Contact: Jonathan Bousselaire Carrier:	f of <u>f</u> COCs
618 Michillinda Ave, Suite 200	Analysis Turnaround Time		Job No.
Arcadia, CA 91007	Calendar ( C ) or Work Days (W) 10	(66	-
626-568-6671 Phone	TAT if different from Below	),T+ (82) (A2) (A2)	
626-568-6515 FAX	2 wccks	etiles (801 (716 (801 (716	SDG No.
Project Name: GE Duarte	1 week	B) colo colo fent fent	
Site:1700 Business Center Drive, Duarte, CA	2 days	0A0)) SI (-EZC (ISIO	
P O # 10501103 010103	i day	12 (8 2222/C 12 (8 12 (8 12 (8 14 Her 12 (8 14 Her 14 Her	Sampler:
Sample Identification	Sample Sample Sample Matrix Cont B	TPH C4-C Chromium Chromium TPH C13-( CAM List- TPH C4-C TPH C4-C	Sample Specific Notes:
58-27-0.5	34/120958 REV SK 1	X X X X X	
56-27-3	1 1023 RBC Suc 1		
56-25-015	1 1048 REC SOL		
56-38-3	1102 REP Sol		
58-25-0.5	1122 REV-Soil 1		
58-210-0.5	1 1138 REV SILL 1		
26-26-3	1202 REC SUL	XXXXX	
56-25-3	1224 REC Soul (		
EB-080912	V 1530 2468 As 7	XXXX X IIII	
		71	
		89/13	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=Na(	OH; 6= Other		and the second s
Possible Hazard Identification	Poison B  Unknown	Sample Disposal ( A fee may be assessed if         Image: Construction of the second	samples are retained longer than 1 month) Lab — Archive For Months
Special Instructions/QC Requirements & Comments:			
			×
			بر ۲۰۰۰ ۲۰۰۰ میں اور
Kelinquished by: Gon Du L	Company. WWH SAN 530	Received by: Active Com	TH-I 2/5/12 1535
Relinquished by: Calul	$\frac{\text{Company:}}{7M+T} = \frac{\text{Date/Time:}}{8/7/12/80}$	Received by:	pany: Date/Time:
Relinquished by:	Company: Date/Time:	Received by:	pany: Date/Time: TAPT 05.05
на страната стали и насел намението со констали с окоат и пола положения и окоатель в констали и на марим		9 10 11 N	- 2 3 4 5 6 7 8

Page 50 of 51

8/23/2012

1140-14898

# Login Sample Receipt Checklist

#### Client: MWH Americas Inc

#### Login Number: 19898 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	

List Source: TestAmerica Irvine



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

forthe Boular

Authorized for release by: 8/30/2012 7:17:26 AM

Jonathan Bousselaire Project Manager I jonathan.bousselaire@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions	72
Certification Summary	73
Chain of Custody	74
Receipt Checklists	76

# Sample Summary

Client: MWH Americas Inc Project/Site: GE duarte TestAmerica Job ID: 440-20036-1

3	
5	
8	
9	

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 4.7° 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.

#### TestAmerica Job ID: 440-20036-1

#### 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 Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Org	<mark>ganic Compou</mark> Result	nds (GC/M Qualifier	S) RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
1.2.4-Trichlorobenzene	ND		16000	2500	ua/Ka		08/13/12 09:24	08/16/12 17:07	25
1.2-Dichlorobenzene	ND		16000	3000	ua/Ka		08/13/12 09:24	08/16/12 17:07	25
1,2-Diphenylhydrazine(as	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

Lab Sample ID: 440-20036-1

Matrix: Solid

# 2 3 4 5 6 7 8

16000

16000

MDL Unit

ug/Kg

ug/Kg

4500

3500

D

Prepared

08/13/12 09:24

08/13/12 09:24

08/15/12 09:03

Analyte

Di-n-octyl phthalate

Fluoranthene

C23-C40

#### Client Sample ID: SB-21-0.5 Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

630

## Lab Sample ID: 440-20036-1 Matrix: Solid

Analyzed

08/16/12 17:07

08/16/12 17:07

Dil Fac

25

25

5	
5	
-	

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	TJN	ug/Kg		7	7.66	126-73-8	08/13/12 09:24	08/16/12 17:07	25
Unknown	740000	ΤJ	ug/Kg		٤	8.53		08/13/12 09:24	08/16/12 17:07	25
Diphenyl phosphate	120000	TJN	ug/Kg		ç	0.32	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 Rang	e Organics - (G	C)								
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

100

70 mg/Kg

10

08/17/12 22:52

Client: MWH Americas Inc Project/Site: GE duarte

#### 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

4-Nitroaniline

Method: 8270C - Semivolatile Org	janic Compou	nds (GC/MS)		MDI	11	-	Durant	American	D!!
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII 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	ND		6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Azobenzene)									
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

# Lab Sample ID: 440-20036-2

Matrix: Solid

10

08/16/12 17:28

08/13/12 09:24

17000

1800 ug/Kg

ND

TestAmerica Job ID: 440-20036-1

MDL Unit

D

Prepared

Analyte

#### Client Sample ID: SB-21-3 Date Collected: 08/09/12 16:28 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

# Lab Sample ID: 440-20036-2 Matrix: Solid

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
Chrvsene	ND		6600	1500	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dibenz(a.h)anthracene	ND		8400	2000	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dibenzofuran	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Diethvl phthalate	ND		6600	1900	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Dimethyl phthalate	ND		6600	1300	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Di-n-butyl phthalate	ND		6600	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Di-n-octyl phthalate	ND		6600	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Fluoranthene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Fluorene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobenzene	ND		6600	1400	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorobutadiene	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachlorocyclopentadiene	ND		17000	1800	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Hexachloroethane	ND		6600	1300	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Indeno[1 2 3-cd]pyrene	ND		6600	2600	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Isophorone	ND		6600	1200	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
Naphthalene	ND		6600	1200	ua/Ka		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	ua/Ka		08/13/12 09:24	08/16/12 17:28	10
N-Nitrosodinhenvlamine	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
			6600	1200	ug/Kg		08/13/12 00:24	08/16/12 17:28	10
Phenol			6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
Dyropo			0000	1600	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
his (2 chloroisopropyd) othor			6600	1200	ug/Kg		08/13/12 09:24	08/16/12 17:28	10
	ND		0000	1200	ug/ng		00/13/12 09.24	00/10/12 17.20	10
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tributyl phosphate	54000	TJN	ug/Kg	7	.65	126-73-8	08/13/12 09:24	08/16/12 17:28	10
Unknown	170000	ΤJ	ug/Kg	8	.52		08/13/12 09:24	08/16/12 17:28	10
Diphenyl phosphate	29000	TJN	ug/Kg	9	.31	838-85-7	08/13/12 09:24	08/16/12 17:28	10
Docosane	5500	TJN	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

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 Sam	ple ID: 440-2 Matr	0036-2 ix: Solid		
Method: 8270C - Semivolatile (	Drganic Compou	nds (GC/M	S) (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 Ran	ge Organics - (G	C)							
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
Analyte Cr (VI)	Result	Qualifier	RL	MDL 1.5	Unit mg/Kg	<u>D</u>	Prepared 08/16/12 15:44	Analyzed 08/17/12 11:51	<b>Dil Fac</b> 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	0.00	mg/Kg		08/18/12 12:47	08/20/12 15.22	
			0.50	0.20	mg/Kg		00/10/12 12.47	08/20/12 15.22	5
Caumum	0.29	J	1.0	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Cobalt	9.2 E A		1.0	0.00	mg/Kg		08/18/12 12.47	08/20/12 15:22	
Copper	J.4 16		2.0	0.00	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
	65		2.0	0.50	mg/Kg		08/18/12 12:47	08/20/12 15:22	5
Molybdenum	ND		2.0	0.00	ma/Ka		08/18/12 12:47	08/22/12 16:59	5
			2.0	0.20	ma/Ka		08/18/12 12:47	08/20/12 15:22	5
Nickel	8.0		2.0	0.20			00/10/12 12/11	00/20/12 10:22	5
Nickel Selenium	8.0 ND		2.0	1.0	ma/Ka		08/18/12 12:47	08/20/12 15:22	
Nickel Selenium Thallium	<mark>8.0</mark> ND ND		2.0 10	1.0 0.80	mg/Kg ma/Ka		08/18/12 12:47 08/18/12 12:47	08/20/12 15:22 08/20/12 15:22	5
Nickel Selenium Thallium Vanadium	8.0 ND ND 19		2.0 10 1.0	1.0 0.80 0.30	mg/Kg mg/Kg mg/Ka		08/18/12 12:47 08/18/12 12:47 08/18/12 12:47	08/20/12 15:22 08/20/12 15:22 08/20/12 15:22	5
Nickel Selenium Thallium Vanadium Zinc	8.0 ND ND 19 41		2.0 10 1.0 5.0	1.0 0.80 0.30 0.50	mg/Kg mg/Kg mg/Kg mg/Kg		08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47	08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22	5 5 5 5
Nickel Selenium Thallium Vanadium Zinc Silver	8.0 ND ND 19 41 ND		2.0 10 1.0 5.0 1.0	1.0 0.80 0.30 0.50 0.80	mg/Kg mg/Kg mg/Kg mg/Kg		08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47	08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22	5 5 5 5 5
Nickel Selenium Thallium Vanadium Zinc Silver Client Sample ID: SB-22-0.	8.0 ND 19 41 ND		2.0 10 1.0 5.0 1.0	1.0 0.80 0.30 0.50 0.80	mg/Kg mg/Kg mg/Kg mg/Kg		08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47 08/18/12 12:47	08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22 08/20/12 15:22	5 5 5 5 5 5

welliou. 6270C - Semivolatile Orga	me compour	ius (GC/Wi	<b>&gt;</b> )						
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

Di-n-octyl phthalate

Fluoranthene

#### 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 Org Analyte	ganic Compou Result	nds (GC/MS) Qualifier	(Continued) RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
1.2-Diphenylhydrazine(as	ND		660	120	uq/Ka		08/13/12 09:24	08/16/12 17:49	1
Azobenzene)					5.9				
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

1

1

08/16/12 17:49

08/16/12 17:49

08/13/12 09:24

08/13/12 09:24

660

660

180 ug/Kg

140 ug/Kg

ND

ND

MDL Unit

D

Prepared

Analyte

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#### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

# Lab Sample ID: 440-20036-6 Matrix: Solid

Analyzed

5

Dil Fac

Fluorene	ND		660	14	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Hexachlorobenzene	ND		660	14	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Hexachlorobutadiene	ND		660	12	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Hexachlorocyclopentadiene	ND		1700	18	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Hexachloroethane	ND		660	13	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Indeno[1,2,3-cd]pyrene	ND		660	26	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Isophorone	ND		660	12	:0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Naphthalene	ND		660	12	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Nitrobenzene	ND		660	14	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
N-Nitrosodi-n-propylamine	ND		500	14	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
N-Nitrosodiphenylamine	ND		660	16	i0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Pentachlorophenol	ND		1700	30	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Phenanthrene	ND		660	12	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Phenol	ND		660	18	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
Pyrene	ND		660	16	0 ug/K	g	08/13/12 09:24	08/16/12 17:49	1	
bis (2-chloroisopropyl) ether	ND		660	12	0 ug/K	g	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	TJN	ug/Kg		2.43	123-42-2	08/13/12 09:24	08/16/12 17:49	1	
Tributyl phosphate	8200	TJN	ug/Kg		7.66	126-73-8	08/13/12 09:24	08/16/12 17:49	1	
Unknown	16000	ТJ	ug/Kg		8.52		08/13/12 09:24	08/16/12 17:49	1	
Unknown	2700	ΤJ	ug/Kg		9.31		08/13/12 09:24	08/16/12 17:49	1	
Nonadecane, 9-methyl-	560	TJN	ug/Kg		10.90	13287-24-6	08/13/12 09:24	08/16/12 17:49	1	
Docosane	730	TJN	ug/Kg		11.12	629-97-0	08/13/12 09:24	08/16/12 17:49	1	
Heptacosane	1100	TJN	ug/Kg		11.40	593-49-7	08/13/12 09:24	08/16/12 17:49	1	
Unknown	570	ΤJ	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 O	rganics - (G	C)								
Analyte	Result	Qualifier	RL	МС	L Unit	D	Prepared	Analyzed	Dil Fac	
GRO (C4-C12)	ND		380	14	0 ug/K	g		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: 2015P Discol Bongo Org	onico (DBO)									
Analyte	Result	Qualifier	RL	MC	L Unit	D	Prepared	Analyzed	Dil Fac	
C13-C22	35		10	7	0 mg/k		08/15/12 09:03	08/17/12 23:33	1	
C23-C40	130		10	7	.0 mg/ł	ζg	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

Molybdenum

Nickel

Selenium

Thallium

Zinc

Silver

Vanadium

4-Nitroaniline

#### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

- Method: 6010B - Metals (IC	CP)								
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

2.0

2.0

2.0

10

1.0

5.0

1.0

0.20 mg/Kg

0.20 mg/Kg

1.0 mg/Kg

0.80 mg/Kg

0.30 mg/Kg

0.50 mg/Kg

0.80 mg/Kg

ND

8.4

ND

ND

24

37

ND

ND

Client Sample	ID: SB-22-3
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#### Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Org	ganic Compou	nds (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

# Lab Sample ID: 440-20036-7

08/22/12 17:01

08/20/12 15:23

08/22/12 17:01

08/20/12 15:23

08/20/12 15:23

08/20/12 15:23

08/20/12 15:23

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/13/12 09:24

Matrix: Solid

1

08/16/12 13:37

830

90 ug/Kg

TestAmerica Job ID: 440-20036-1

# Lab Sample ID: 440-20036-6 Matrix: Solid

5 5

5

5 5

5

5 5

5

5

5

5

5

5

5

830

MDL Unit

140 ug/Kg

D

Prepared

08/13/12 09:24

Analyte

4-Nitrophenol

#### Client Sample ID: SB-22-3 Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

# Lab Sample ID: 440-20036-7 Matrix: Solid

Analyzed

08/16/12 13:37

5

Dil Fac

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	9

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
		• • • •		_						
Pentanona 4 hudrow 4 motified	Est. Result			<u> </u>		κι 	CAS NO.	Prepared	Analyzed	DII Fac
2-remanone, 4-nyuroxy-4-metnyi-	9200		ug/ng		2.	.4J 65	125-42-2	00/13/12 09:24	00/10/12 13:3/	1
Inbutyi priospriate	550		ug/r\g		7.	51	120-13-0	00/13/12 09.24	00/10/12 13.3/	1
UIKIUWII	760	ı J	uy/ng		Ø.	.51		00/13/12 09.24	00/10/12 13.3/	I
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

#### TestAmerica Job ID: 440-20036-1

Lab Sample ID: 440-20036-7

Analyzed

08/16/12 13:37

08/16/12 13:37

08/16/12 13:37

Prepared

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

Matrix: Solid

Dil Fac

1

1

1

5

lient Sample ID: SB-22-	-3		
ate Collected: 08/10/12 11:22	2		
ate Received: 08/10/12 17:10	)		
Method: 8270C - Semivolati	le Organic Compou	nds (GC/MS	S) (Continued
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	60		30 - 120
Nitrobenzene-d5 (Surr) Terphenyl-d14 (Surr)	60 68		30 - 120 40 - 135

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	e Organics (DRO)	(GC)							

MDL Unit

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		10	0.80	ma/Ka		08/18/12 12:47	08/20/12 15:25	5

#### Client Sample ID: SB-20-0.5

Date Collected: 08/10/12 13:10

#### Lab Sample ID: 440-20036-8 Matrix: Solid

Date Received: 08/10/12 17:10

# Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier F	L MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	330	0 500	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Dichlorobenzene	ND	330	0 600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
1,2-Diphenylhydrazine(as	ND	330	0 600	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
Azobenzene)								

**TestAmerica** Irvine 8/30/2012

Fluorene

Hexachlorobenzene

#### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

## Lab Sample ID: 440-20036-8 Matrix: Solid

	9

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	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Bromophenyl phenyl ether	ND		3300	750	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chloro-3-methylphenol	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chloroaniline	ND		3300	1200	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Chlorophenyl phenyl ether	ND		3300	850	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
3-Methylphenol + 4-Methylphenol	ND		3300	800	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Nitroaniline	ND		8300	900	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
4-Nitrophenol	ND		8300	1400	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Acenaphthene	ND		3300	600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Acenaphthylene	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Aniline	ND		4200	850	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Anthracene	ND		3300	800	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzidine	ND		6600	6600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzolalanthracene	ND		3300	700	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzo[a]pvrene	ND		3300	550	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzo[b]fluoranthene	ND		3300	500	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzola h ilpervlene	ND		3300	1100	ua/Ka		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	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Benzyl alcohol	ND		3300	2000	ua/Ka		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-ethylbeyy) phthalate	ND		3300	000	ug/Kg		08/13/12 00:24	08/16/12 18:09	5
Butyl benzyl obthalate			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
	ND		4200	1000	ug/Kg		08/13/12 00:24	08/16/12 18:09	5
Dibenzofuran			3300	000	ua/Ka		08/13/12 09:24	08/16/12 18:00	5
	םא חוא		3300	000	ug/Kg		08/13/12 09.24	08/16/12 19:00	5
			3300	900	ug/Kg		08/13/12 09.24	08/16/12 19:00	
			3300	000	ug/Kg		08/13/12 09.24	08/16/12 10:09	5
			3200	900	ug/Kg		08/13/12 09.24	00/10/12 10.09	5
	ND		3300	900	ug/Kg		08/13/12 09:24	00/10/12 18:09	5 
Fiuorantinene	ND		3300	700	uy/ng		00/13/12 09:24	00/10/12 18:09	5

08/13/12 09:24 08/16/12 18:09

08/16/12 18:09

08/13/12 09:24

5

5

3300

3300

700 ug/Kg

700 ug/Kg

ND

ND

3300

8300

MDL Unit

600 ug/Kg

900 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

Hexachlorobutadiene

Hexachlorocyclopentadiene

#### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

#### Lab Sample ID: 440-20036-8 Matrix: Solid

Analyzed

08/16/12 18:09

08/16/12 18:09

5

Dil Fac

5

Hexachloroethane	ND		3300		650	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
ndeno[1,2,3-cd]pyrene	ND		3300		1300	ug/Ka		08/13/12 09:24	08/16/12 18:09	5
sophorone	ND		3300		600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
' Naphthalene	ND		3300		600	ua/Ka		08/13/12 09:24	08/16/12 18:09	5
Vitrobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:09	5
N-Nitrosodi-n-propvlamine	ND		2500		700	ua/Ka		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	TJN	ug/Kg		2	.40	123-42-2	08/13/12 09:24	08/16/12 18:09	5
Tributyl phosphate	68000	TJN	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	ΤJ	ug/Kg		8	.53		08/13/12 09:24	08/16/12 18:09	5
Diphenyl phosphate	25000	TJN	ug/Kg		9	.31	838-85-7	08/13/12 09:24	08/16/12 18:09	5
Hexatriacontane	4000	TJN	ug/Kg		10	.91	630-6-8	08/13/12 09:24	08/16/12 18:09	5
1-Eicosene	4500	TJN	ug/Kg		11	.12	3452-7-1	08/13/12 09:24	08/16/12 18:09	5
Tritetracontane	6700	TJN	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 Or	ganics - (G	C)								
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 Orga	nics (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

Copper

Molybdenum

Lead

Nickel

Selenium

Thallium

Zinc

Silver

Vanadium

4-Chloroaniline

4-Nitroaniline

4-Chlorophenyl phenyl ether

3-Methylphenol + 4-Methylphenol

#### Client Sample ID: SB-20-0.5 Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Method: 6010B - Metals (IC	P)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Antimony	1.7	J	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:27
Arsenic	3.3		2.0	0.79	mg/Kg		08/18/12 12:47	08/20/12 15:27
Barium	90		0.98	0.78	mg/Kg		08/18/12 12:47	08/20/12 15:27
Beryllium	ND		0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27
Cadmium	0.45	J	0.49	0.20	mg/Kg		08/18/12 12:47	08/20/12 15:27
Chromium	10		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27
Cobalt	5.2		0.98	0.29	mg/Kg		08/18/12 12:47	08/20/12 15:27
Copper	22		2.0	0.37	mg/Kg		08/18/12 12:47	08/20/12 15:27

2.0

2.0

2.0

2.0

9.8

0.98

4.9

0.98

0.49

0.20

0.20

0.29

mg/Kg

mg/Kg

mg/Kg

mg/Kg

0.98 mg/Kg

0.78 mg/Kg

0.49 mg/Kg

0.78 mg/Kg

12

ND

11

ND

ND

23

57

ND

ND

ND

ND

ND

#### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02

#### Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile C	Organic Compou	inds (GC/MS	5)						
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	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Azobenzene)									
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

Matrix: Solid

08/20/12 15:27

08/22/12 17:14

08/20/12 15:27

08/22/12 17:14

08/20/12 15:27

08/20/12 15:27

08/20/12 15:27

08/20/12 15:27

Lab Sample ID: 440-20036-10

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/18/12 12:47

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

08/13/12 09:24

# Lab Sample ID: 440-20036-8 Matrix: Solid

5

5

5 5

5

5 5

5

5

5

5

5

5

5

5

Dil Fac 5

250

250

250

250

08/16/12 18:30

08/16/12 18:30

08/16/12 18:30

08/16/12 18:30

160000

160000

160000

410000

60000 ug/Kg

42000 ug/Kg

40000 ug/Kg

45000 ug/Kg

410000

160000

MDL Unit

70000 ug/Kg

30000 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

4-Nitrophenol

Acenaphthene

#### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

## Lab Sample ID: 440-20036-10 Matrix: Solid

Analyzed

08/16/12 18:30

08/16/12 18:30

Dil Fac

250

250

10			2	
	1			

2-Fluorobiphenyl	0	X	35 - 120				08/13/12 09:24	08/16/12 18:30	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Diphenyl phosphate	2500000	TJN	ug/Kg	S	9.31	838-85-7	08/13/12 09:24	08/16/12 18:30	250
Unknown	350000	TJ	ug/Kg	ç	9.13		08/13/12 09:24	08/16/12 18:30	250
Unknown	19000000	TJ	ug/Kg	3	3.53		08/13/12 09:24	08/16/12 18:30	250
n-Octadecane	67000	J 	ug/Kg	٤	8.43	593-45-3	08/13/12 09:24	08/16/12 18:30	250
Tributyl phosphate	6200000	TJN	ug/Kg	7	7.66	126-73-8	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
	ND		100000	30000	uy/Ny		00/13/12 09.24	00/10/12 10:00	230
r yrana his (2-chloroisonronyl) ether			160000	40000	ug/Kg ug/Kg		08/13/12 09:24	08/16/12 18:30	200 250
Pyrene		•	160000	40000	ug/Kg		08/13/12 00.24	08/16/12 18:30	250
Phanol	CINI 62000		160000	20000 25000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Phenanthrene	<b>ט</b> א חוא		410000	30000	ug/Ng		08/13/12 09.24	00/10/12 10:30	200
Pentachloronhenol			410000	75000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodiphenylamine			160000	40000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
N-Nitrosodi-n-propylamine			120000	35000	ug/Ka		08/13/12 09:24	08/16/12 18:30	250
Nitrobenzene			160000	35000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Naphthalene			160000	30000	ug/Ka		08/13/12 09:24	08/16/12 18:30	250
Isophorone			160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Indeno[1 2 3-cd]nyrene			160000	65000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
Hexachloroethane	םא חוא		160000	32000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Hexachlorocyclonentadiene	םא חוא		100000	30000	ug/Ng		08/13/12 09.24	00/10/12 10.30	200
Hexachlorobutadiene			160000	30000	ug/Kg		08/13/12 00.24	08/16/12 18:30	250
Hexachlorobenzene	םא חוא		160000	35000	ug/Kg		08/13/12 09.24	08/16/12 18:30	250
Fluorene	םא חוא		160000	35000	ug/Ng		08/13/12 09.24	00/10/12 10.30	200
			160000	40000	ug/Kg		08/13/12 09:24	08/16/12 10:30	200
	ND ND		160000	45000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
	ND		160000	32000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
Directly i phthalate	ND		160000	47000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND ND		210000	20000	ug/Kg		08/13/12 09:24	00/10/12 18:30	250
	ND		160000	37000	ug/Kg		08/13/12 09:24	08/16/12 18:30	250
	ND		160000	40000	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
Bis(2-chloroethyl)ether	ND		85000	30000	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
Benzyl alcohol	ND		160000	100000	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
Benzo[k]fluoranthene	ND		160000	35000	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[b]fluoranthene	ND		160000	25000	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[a]anthracene	ND		160000	35000	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
Anthracene	ND		160000	40000	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
Acenaphthylene	ND		160000	35000	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

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

# Lab Sample ID: 440-20036-10 Matrix: Solid

Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
2-Fluorophenol (Surr)         0         X         25 - 120         08/13/12 09:24         08/	6/12 18:30 250
2,4,6-Tribromophenol (Surr) 0 X 35 - 125 08/13/12 09:24 08/	6/12 18:30 250
Nitrobenzene-d5 (Surr) 0 X 30 - 120 08/13/12 09:24 08/	6/12 18:30 250
Terphenyl-d14 (Surr) 0 X 40 - 135 08/13/12 09:24 08/	6/12 18:30 250
Phenol-d6 (Surr)         0 X         35 - 120         08/13/12 09:24         08/	6/12 18:30 250
- Method: 8015B - Gasoline Range Organics - (GC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
GRO (C4-C12)         230         J         380         140         ug/Kg         08/	7/12 03:30 1
Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
4-Bromofluorobenzene (Surr)         47         X         65 - 140         08/	7/12 03:30 1
- Method: 8015B - Diesel Range Organics (DRO) (GC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
C13-C22 13000 1500 1000 mg/Kg 08/15/12 09:03 08/1	7/12 14:13 60
C23-C40 ND 1500 mg/Kg 08/15/12 09:03 08/1	7/12 14:13 60
Surrogate %Recovery Qualifier Limits Prepared A	nalyzed Dil Fac
n-Octacosane 132 40 - 140 08/15/12 09:03 08/	7/12 14:13 60
Method: 7199 - Chromium, Hexavalent (IC)	
Analyte Result Qualifier RL MDL Unit D Prepared A	nalyzed Dil Fac
Cr (VI) ND 2.0 1.5 mg/Kg 08/16/12 15:44 08/ 	7/12 12:42 10
Method: 6010B - Metals (ICP)	
Analyte Result Qualifier RL MDL Unit D Prepared	nalyzed Dil Fac
Antimony 1.0 J 9.9 0.87 mg/Kg 08/18/12 12:47 08/2	.0/12 15:29 5
Arsenic         3.2         2.0         0.80 mg/Kg         08/18/12 12:47         08/2	.0/12 15:29 5
Barium 64 0.99 0.79 mg/Kg 08/18/12 12:47 08/2	.0/12 15:29 5
Beryllium 0.20 J 0.49 0.20 mg/Kg 08/18/12 12:47 08/2	0/12 15:29 5
Cadmium 0.41 J 0.49 0.20 mg/Kg 08/18/12 12:47 08/2	:0/12 15:29 5
Chromium 10 0.99 0.30 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Cobalt 5.2 0.99 0.30 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Copper 16 2.0 0.37 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Lead 6.4 2.0 0.49 mg/Kg 08/18/12 12:47 08/2	20/12 15:29 5
Molvbdenum ND 2.0 0.20 mg/Kg 08/18/12 12:47 08/2	2/12 17:15 5
Nickel 8.5 2.0 0.20 mg/Kg 08/18/12 12:47 08/2	0/12 15:29 5
Selenium 13 LBA 20 0.99 mg/Kg 08/18/12 12:47 08/2	2/12 17:15 5
ND         9.9         0.79         mg/Kg         08/18/12 12:47         08/2	
Haman 0.0 0.70 Highty 00/10/12/12.47 00/2	0/12 15:29 5
Vanadium 23 0.99 0.30 mg/Kg 08/18/12.12:47 08/2	20/12 15:29 5 0/12 15:29 5

# Client Sample ID: SB-20-5

Silver

Date Collected: 08/10/12 15:20

#### Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Orga	anic Compou	nds (GC/MS	5)						
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

0.99

0.79 mg/Kg

64 ND

Matrix: Solid

08/20/12 15:29

Lab Sample ID: 440-20036-11

5

08/18/12 12:47

#### Client Sample ID: SB-20-5 Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

# Lab Sample ID: 440-20036-11 Matrix: Solid

10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Azobenzene)									
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	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Chlorophenyl phenyl ether	ND		82000	21000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
3-Methylphenol + 4-Methylphenol	ND		82000	20000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Nitroaniline	ND		210000	22000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
4-Nitrophenol	ND		210000	35000	ua/Ka		08/24/12 13:49	08/27/12 06:30	250
Acenaphthene	ND		82000	15000	ua/Ka		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
Benzolalanthracene			82000	17000	ug/Kg		08/24/12 13:40	08/27/12 06:30	250
Benzo[a]ovrene			82000	1/000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bonzo[b]fluoranthono	ND		82000	12000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzola h ilpopulopo			82000	27000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Benzo[k]fluoranthana			82000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bonzoic acid	ND		210000	37000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
			82000	50000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
			82000	17000	ug/Kg		08/24/12 13:49	08/27/12 00:30	250
Bis(2-chloroethoxy)methane	ND		62000	17000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
Bis(2-critoroeuryr)ether			42000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	200
Bis(2-ethylnexyl) phthalate	ND		82000	22000	ug/Kg		00/24/12 13:49	00/27/12 00:30	250
	ND		82000	20000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		82000	19000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		100000	25000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	ND		82000	15000	ug/Kg		08/24/12 13:49	08/27/12 06:30	250
	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

82000

82000

82000

MDL Unit

17000 ug/Kg

17000 ug/Kg

15000 ug/Kg

D

Prepared

08/24/12 13:49

08/24/12 13:49

08/24/12 13:49

Analyte

Fluorene

Hexachlorobenzene

Hexachlorobutadiene

#### Client Sample ID: SB-20-5 Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

ND

#### Lab Sample ID: 440-20036-11 Matrix: Solid

Analyzed

08/27/12 06:30

08/27/12 06:30

08/27/12 06:30

5

Dil Fac

250

250

250

9

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	TJN	ug/Kg		7	.89	126-73-8	08/24/12 13:49	08/27/12 06:30	250
Unknown	2600000	ΤJ	ug/Kg		8	8.76		08/24/12 13:49	08/27/12 06:30	250
Unknown	98000	ΤJ	ug/Kg		g	.34		08/24/12 13:49	08/27/12 06:30	250
Diphenyl phosphate	410000	TJN	ug/Kg		g	.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 Rang	e Organics - (G	C)								
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 (	Drganics (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

			Lah Camp		026 40
Surrogate n-Octacosane	<u>%Recovery</u> <u>Qualifier</u>	Limits 40 - 140	Prepared 08/23/12 12:19	Analyzed 08/25/12 20:34	Dil Fac

#### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01

Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Orga	anic Compou	nds (GC/MS	5)						
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

Matrix: Solid

3300

3300

MDL Unit

600 ug/Kg

600 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Analyte

1,2-Dichlorobenzene

1,2-Diphenylhydrazine(as

#### **Client Sample ID: Dup-1** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

TestAmerica Job ID: 440-20036-1

# Lab Sample ID: 440-20036-12 Matrix: Solid

Analyzed

08/16/12 18:51

08/16/12 18:51

5

Dil Fac

5

Azobenzene)							
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: MWH Americas Inc Project/Site: GE duarte

#### **Client Sample ID: Dup-1** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

TestAmerica Job ID: 440-20036-1

# Lab Sample ID: 440-20036-12

Matrix: Solid

5

Analyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Fluoranthene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Fluorene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorobutadiene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachlorocyclopentadiene	ND		8300		900	ug/Kg		08/13/12 09:24	08/16/12 18:51	
lexachloroethane	ND		3300		650	ug/Kg		08/13/12 09:24	08/16/12 18:51	
ndeno[1,2,3-cd]pyrene	ND		3300		1300	ug/Kg		08/13/12 09:24	08/16/12 18:51	
sophorone	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Japhthalene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
litrobenzene	ND		3300		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
I-Nitrosodi-n-propylamine	ND		2500		700	ug/Kg		08/13/12 09:24	08/16/12 18:51	
I-Nitrosodiphenylamine	ND		3300		800	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Pentachlorophenol	ND		8300		1500	ug/Kg		08/13/12 09:24	08/16/12 18:51	
Phenanthrene	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
henol	1400	J	3300		900	ug/Kg		08/13/12 09:24	08/16/12 18:51	
yrene	ND		3300		800	ug/Kg		08/13/12 09:24	08/16/12 18:51	
is (2-chloroisopropyl) ether	ND		3300		600	ug/Kg		08/13/12 09:24	08/16/12 18:51	
entatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil F
-Pentanone, 4-hydroxy-4-methyl-	9200	TJN	ug/Kg		2	40	123-42-2	08/13/12 09:24	08/16/12 18:51	
ributyl phosphate	56000	TJN	ug/Kg		7.	68	126-73-8	08/13/12 09:24	08/16/12 18:51	
-Octadecane	800	J	ug/Kg		8	45	593-45-3	08/13/12 09:24	08/16/12 18:51	
Inknown	150000	ΤJ	ug/Kg		8	55		08/13/12 09:24	08/16/12 18:51	
Diphenyl phosphate	24000	TJN	ug/Kg		9	33	838-85-7	08/13/12 09:24	08/16/12 18:51	
ritetracontane	3800	TJN	ug/Kg		11.	43	7098-21-7	08/13/12 09:24	08/16/12 18:51	
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Fluorobiphenyl	68		35 - 120					08/13/12 09:24	08/16/12 18:51	
-Fluorophenol (Surr)	66		25 - 120					08/13/12 09:24	08/16/12 18:51	
,4,6-Tribromophenol (Surr)	83		35 - 125					08/13/12 09:24	08/16/12 18:51	
litrobenzene-d5 (Surr)	64		30 - 120					08/13/12 09:24	08/16/12 18:51	
ērphenyl-d14 (Surr)	91		40 - 135					08/13/12 09:24	08/16/12 18:51	
Phenol-d6 (Surr)	76		35 - 120					08/13/12 09:24	08/16/12 18:51	
Aethod: 8015B - Gasoline Range	e Organics - (G	C)								
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil F
GRO (C4-C12)	ND		370		140	ug/Kg			08/15/12 19:24	
urrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Bromofluorobenzene (Surr)	72		65 - 140						08/15/12 19:24	
lethod: 8015B - Diesel Range O	rganics (DRO)	(GC)								
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil F
:13-C22	230		30		21	mg/Kg	_	08/15/12 09:03	08/18/12 00:33	
23-C40	240		30		21	mg/Kg		08/15/12 09:03	08/18/12 00:33	
urrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil F
-Octacosane	79		40 - 140					08/15/12 09:03	08/18/12 00:33	
/lethod: 7199 - Chromium, Hexa	valent (IC)									
nalyte	Result	Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil I
2r (\/l)	ЛИ		2.0		15	ma/ka		08/16/12 15:44	08/17/12 12:54	
### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 6010B - Metals (ICP)

Analyte

Antimony

							Matri	x: Solid
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1.4	J	9.8	0.86	mg/Kg		08/18/12 12:47	08/20/12 15:50	5
20		20	0 79	ma/Ka		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	J8/20/12 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** Date Collected: 08/10/12 00:01

### Date Received: 08/10/12 17:10

....

4-Nitroaniline

Method: 8270C - Semivolatile Org	janic Compou	nds (GC/MS	)	MD	11	_	December	Amelianad	D!!
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	ND		160000	30000	ug/Kg		08/13/12 09:24	08/16/12 19:12	250
Azobenzene)									
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

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-12

### Lab Sample ID: 440-20036-13 Matrix: Solid

250

08/16/12 19:12

08/13/12 09:24

410000

45000 ug/Kg

ND

RL

410000

160000

MDL Unit

70000 ug/Kg

30000 ug/Kg

D

Prepared

08/13/12 09:24

08/13/12 09:24

Client: MWH Americas Inc Project/Site: GE duarte

Analyte

4-Nitrophenol

Acenaphthene

### **Client Sample ID: Dup-2** Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

ND

ND

TestAmerica Job ID: 440-20036-1

### Lab Sample ID: 440-20036-13 Matrix: Solid

Analyzed

08/16/12 19:12

08/16/12 19:12

5

Dil Fac

250

250

250	
250	
250	
250	
250	
250	
250	
250	
250	
250	
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	TJN	ug/Kg		7	7.66	126-73-8	08/13/12 09:24	08/16/12 19:12	250
n-Octadecane	44000	J	ug/Kg		8	3.43	593-45-3	08/13/12 09:24	08/16/12 19:12	250
Unknown	15000000	ΤJ	ug/Kg		8	3.53		08/13/12 09:24	08/16/12 19:12	250
Unknown	170000	ΤJ	ug/Kg		g	9.16		08/13/12 09:24	08/16/12 19:12	250
Diphenyl phosphate	1800000	TJN	ug/Kg		g	9.31	838-85-7	08/13/12 09:24	08/16/12 19:12	250
Surrogate	%Recovery	Qualifier	l imits					Prenared	Analyzed	Dil Fac

250

08/16/12 19:12

08/13/12 09:24

35 - 120

0 X

### 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

5

Method: 8270C - Semivolatile Org	ganic Compou	nds (GC/M	S) (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 - (G	C)							
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 O	rganics (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, Hexay	valent (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
					0 0				

### Client Sample ID: EB-081012

Date Collected: 08/10/12 15:28

Date Received: 08/10/12 17:10
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Method: 8270C - Semivolatile	Organic Compounds (GC/MS)							
Analyte	Result Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	9.6	2.4 u	ug/L		08/16/12 15:58	08/20/12 05:11	1
1,2-Dichlorobenzene	ND	9.6	2.9 u	ug/L		08/16/12 15:58	08/20/12 05:11	1

Matrix: Water

Lab Sample ID: 440-20036-14

### 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

IX: Water

Method: 8270C - Semivolatile Ord	anic Compounds (GC/MS) (	Continued)						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine(as	ND	19	2.4	ug/L		08/16/12 15:58	08/20/12 05:11	1
Azobenzene)								
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	ua/L		08/16/12 15:58	08/20/12 05:11	1
Anthracene	ND *	9.6	2.4	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzidine	ND	19	9.6	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzolalanthracene	ND *	9.6	2.4	ua/L		08/16/12 15:58	08/20/12 05:11	1
Benzolalpyrene	ND	9.6	2.9	ua/l		08/16/12 15:58	08/20/12 05:11	1
Benzo[b]fluoranthene	ND	9.6	19	ua/l		08/16/12 15:58	08/20/12 05:11	1
Benzola h ilpervlene	ND	9.6	3.8	ug/L		08/16/12 15:58	08/20/12 05:11	
Benzo[k]fluoranthene	ND	9.6	24	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzoic acid	ND	19	96	ug/L		08/16/12 15:58	08/20/12 05:11	1
Benzyl alcohol	ND	19	33			08/16/12 15:58	08/20/12 05:11	· · · · · · · · · · · · · · · · · · ·
Bis/2-chloroethoxy/)methane	ND	9.6	2.0	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2-chloroethyl)other	ND	9.0	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	1
Bis(2 - othylboxyl) phthalata		9.0	2.9	ug/L		08/16/12 15:58	08/20/12 05:11	· · · · · · · · · · · · · · · · · · ·
Butul bonzul phtholoto	ND	40	2.0	ug/L		00/10/12 15:50	08/20/12 05:11	1
	ND *	19	5.0 2.4	ug/L		00/10/12 15:50	08/20/12 05:11	1
		9.0	2.4	ug/L		08/10/12 15:58	08/20/12 05:11	
	UN * DN	19	2.9	ug/L		00/10/12 15:58	00/20/12 05:11	1
		9.0	3.ð	ug/L		00/10/12 15:58	00/20/12 05:11	1
Directly primate	<b>עוו</b> סוו	9.0	3.3	ug/L		00/10/12 15:58	00/20/12 05:11	۲ ۸
Dimetnyi phthalata		9.6	2.4	ug/L		08/10/12 15:58	08/20/12 05:11	1
		19	2.9	ug/L		08/10/12 15:58	08/20/12 05:11	1
	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: MWH Americas Inc Project/Site: GE duarte

Cobalt

Copper

### 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

atrix: water

5

Method: 8270C - Semivolatile O	rganic Compou	nds (GC/N	IS) (Continue	d)					
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	ua/L		08/16/12 15:58	08/20/12 05:11	1
Nitrobenzene	ND		19	2.9	ua/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-Nitrosodiphenvlamine	ND	*	9.6	1.9	ua/L		08/16/12 15:58	08/20/12 05:11	1
Pentachlorophenol	ND		19	3.3	ua/L		08/16/12 15:58	08/20/12 05:11	1
Phenanthrene	ND	*	9.6	3.3	g/=		08/16/12 15:58	08/20/12 05:11	1
Phenol	ND		9.6	1.0	ug/L		08/16/12 15:58	08/20/12 05:11	1
Pyrene			0.0 Q A	י.ש א א	ua/I		08/16/12 15:58	08/20/12 05:11	1
his (2-chloroisonronyl) othor			9.0	3.0 2.4	ug/L		08/16/12 15.50	08/20/12 05.11	1
	ND		9.0	2.4	ug/L		00/10/12 13:30	00/20/12 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	%Recoverv	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Eluorobinhenvl							08/16/12 15:58	08/20/12 05:11	1
2-Eluorophenol (Surr)	58		30 - 120				08/16/12 15:58	08/20/12 05:11	1
2 4 6-Tribromonbenol (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
Ternbenyl-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
	02		00 - 120				00,70,72,70.00	00/20/12 00.11	,
Method: 8015B - Gasoline Rang	je Organics - (G	C)							
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	%Recoverv	Qualifier	Limits				Prepared	Analvzed	Dil Fac
4-Bromofluorobenzene (Surr)	<u>97</u>		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	Analvzed	Dil Fac
n-Octacosane			45 _ 120				08/15/12 13.18	08/15/12 23:37	1
	01		.5 - 120				20.10.12.10.10	20.10.12.20.07	,
Method: 6010B - Metals (ICP) - I	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	JB	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

1

1

08/15/12 21:46

08/15/12 21:46

08/14/12 07:59

08/14/12 07:59

0.010

0.010

0.0020 mg/L

0.0030 mg/L

ND

ND

### 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) -	<b>Dissolved</b> (Conti	nued)							
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

Lab Sample ID: 440-20036-1

Matrix: Solid

5 6

### Client Sample ID: SB-21-0.5

Date Collected: 08/09/12 16:02 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:53	MP	TAL IRV

### 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

Lab Sample ID: 440-20036-6

Matrix: Solid

Matrix: Solid

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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	ТК	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 16:59	MP	TAL IRV

### Client Sample ID: SB-22-0.5 Date Collected: 08/10/12 09:44 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:01	MP	TAL IRV

### TestAmerica Irvine 8/30/2012

### Client Sample ID: SB-22-3

Date Collected: 08/10/12 11:22 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Fina	al	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Αποι	unt	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:12	MP	TAL IRV

### Client Sample ID: SB-20-0.5

### Date Collected: 08/10/12 13:10 Date Received: 08/10/12 17:10

Lab Sample ID: 440-20	036-8
Matrix	c: Solid

Lab Sample ID: 440-20036-10

Matrix: Solid

-	Batch	Batch		Dil	Initial	Fin	al	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amo	unt	Number	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:14	MP	TAL IRV

### Client Sample ID: SB-20-3 Date Collected: 08/10/12 15:02 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Fina	al	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amou	unt	Number	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	CALUFT			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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5				47215	08/22/12 17:15	MP	TAL IRV

### Lab Sample ID: 440-20036-7

Matrix: Solid

Lab Sample ID: 440-20036-11

Lab Sample ID: 440-20036-12

Lab Sample ID: 440-20036-13

Matrix: Solid

Matrix: Solid

Matrix: Solid

### 2 3 4 5 6 7

### Client Sample ID: SB-20-5

Date Collected: 08/10/12 15:20 Date Received: 08/10/12 17:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	ТМ	TAL IRV
Total/NA	Analysis	8015B		20			47884	08/25/12 20:34	JR	TAL IRV

### Client Sample ID: Dup-1 Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

### Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Туре Run Factor Amount Number or Analyzed Analyst Lab Total/NA Prep 3546 15.06 g 2 mL 44894 08/13/12 09:24 AG TAL IRV Total/NA 8270C 45705 08/16/12 18:51 TAL IRV Analysis 5 AI Total/NA Analysis 8015B 1 5.39 g 10 mL 45520 08/15/12 19:24 ΤL 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 3060A 1.25 g 50 mL 45897 08/16/12 15:44 СН TAL IRV Prep 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 ΤK TAL IRV Total/NA 6010B 47215 08/22/12 17:17 MP TAL IRV Analysis 5

### **Client Sample ID: Dup-2**

### Date Collected: 08/10/12 00:01 Date Received: 08/10/12 17:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	CALUFT			30.04 g	5 mL	46433	08/20/12 08:52	ТМ	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	СН	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	тк	TAL IRV
Total/NA	Analysis	6010B		5			47215	08/22/12 17:19	MP	TAL IRV

<b>Client Samp</b>	le ID: EB-0	)81012						Lab Sample	e ID: 44	0-20036-14
Date Collected	: 08/10/12 15	5:28						-	L. L.	Matrix: Water
Date Received	: 08/10/12 17	:10								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1045 mL	2 mL	45901	08/16/12 15:58	DM	TAL IRV

### 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Client Sample ID: Method Blank** 

Analyzed

08/16/12 11:31

08/16/12 11:31

D

Prepared

08/13/12 09:24

08/13/12 09:24

Prep Type: Total/NA Prep Batch: 44894

Dil Fac

1

1

Lab Sample ID: MB 440-44894/1-A					
Matrix: Solid					
Analysis Batch: 45705					
	MB	МВ			
Analyte	Result	Qualifier	RL	MDL	Unit
1,2,4-Trichlorobenzene	ND		330	50	ug/Kg
1,2-Dichlorobenzene	ND		330	60	ug/Kg
1,2-Diphenylhydrazine(as	ND		330	60	ug/Kg

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

1,2-Diphenylhydrazine(as	ND	330	60	ug/Kg	08/13/12 09:24	08/16/12 11:31	1
Azobenzene)			~~				
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- I richlorophenol	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)

MB MB

ND

Result Qualifier

Analysis Batch: 45705

Matrix: Solid

Di-n-butyl phthalate

Di-n-octyl phthalate

Hexachlorobenzene

Hexachloroethane

Isophorone

Naphthalene

Nitrobenzene

Hexachlorobutadiene

Indeno[1,2,3-cd]pyrene

N-Nitrosodi-n-propylamine

bis (2-chloroisopropyl) ether

N-Nitrosodiphenylamine

Pentachlorophenol

Phenanthrene

Phenol

Pyrene

Hexachlorocyclopentadiene

Fluoranthene

Fluorene

Analyte

Lab Sample ID: MB 440-44894/1-A

	Client Sample ID: Method Blani Prep Type: Total/NA						
					Prep Batc	h: 44894	5
RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	7
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	8
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
830	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	9
330	65	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	130	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
250	70	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
830	150	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	90	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	80	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	
330	60	ug/Kg		08/13/12 09:24	08/16/12 11:31	1	

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	9110	TJN	ug/Kg		2.45	123-42-2	08/13/12 09:24	08/16/12 11:31	1

MB			
Qualifier Limits	Prepared	Analyzed	Dil Fac
35 - 120	0 08/13/12 09:24	08/16/12 11:31	1
25 - 120	0 08/13/12 09:24	08/16/12 11:31	1
35 - 12	5 08/13/12 09:24	08/16/12 11:31	1
30 - 120	0 08/13/12 09:24	08/16/12 11:31	1
40 - 13	5 08/13/12 09:24	08/16/12 11:31	1
35 - 120	0 08/13/12 09:24	08/16/12 11:31	1
	MB Qualifier Limits 35 - 120 25 - 120 35 - 125 30 - 120 40 - 135 35 - 120	MB         Prepared           Qualifier         Limits         Prepared           35 - 120         08/13/12 09:24           25 - 120         08/13/12 09:24           35 - 125         08/13/12 09:24           30 - 120         08/13/12 09:24           40 - 135         08/13/12 09:24           35 - 120         08/13/12 09:24	MB         Prepared         Analyzed           35 - 120         08/13/12 09:24         08/16/12 11:31           25 - 120         08/13/12 09:24         08/16/12 11:31           35 - 125         08/13/12 09:24         08/16/12 11:31           30 - 120         08/13/12 09:24         08/16/12 11:31           40 - 135         08/13/12 09:24         08/16/12 11:31           35 - 120         08/13/12 09:24         08/16/12 11:31           30 - 120         08/13/12 09:24         08/16/12 11:31           40 - 135         08/13/12 09:24         08/16/12 11:31           35 - 120         08/13/12 09:24         08/16/12 11:31

### Lab Sample ID: LCS 440-44894/2-A Matrix: Solid

### Analysis Batch: 45705

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,4-Trichlorobenzene		2180		ug/Kg		65	40 - 120	
1,2-Dichlorobenzene	3330	2110		ug/Kg		63	40 - 120	
1,2-Diphenylhydrazine(as	3330	2190		ug/Kg		66	50 - 125	
Azobenzene)								
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	

### **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 44894

**Client Sample ID: Lab Control Sample** 

### 2 3 4 5 6 7 8 9 10 11 12

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-4489	4/2-A
Matrix: Solid	

Matrix: Solid					Prep Type: Total/NA
Analysis Batch: 45705					Prep Batch: 44894
	Spike	LCS	LCS		%Rec.
Analyte	Added	Result	Qualifier Unit	D %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

Lab Sample ID: 440-20036-7 MS

# 5 6 7

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-44894/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 45705							Prep Batch: 44894		
	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%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		

	LCS	LCS	
Surrogate	%Recovery	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

Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 45705									Prep Batc	h: 44894
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	ND		3330	2120		ug/Kg		64	50 - 125	
Azobenzene)										
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	

### Client Sample ID: SB-22-3

Α

Lab Sample ID: 440-20036-7 MS

Client Sample ID: SB-22-3

Prep Type: Total/NA	
Prep Batch: 44894	
Rec.	
mits	
120	

					9

Method: 8270C -	Semivolatile Or	rganic Com	pounds (	(GC/MS)	(Continued)
		game com	pounds		Continucu

Matrix: Solid									Prep Type: Total/N
Analysis Batch: 45705									Prep Batch: 4489
-	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		ua/Ka		69	50 - 125
Dimethyl phthalate	ND		3330	2130		ug/Kg		64	45 - 125
Di-n-butyl phthalate	ND		3330	2010		ua/Ka		60	50 - 125
Di-n-octvl phthalate	ND		3330	2140		ua/Ka		64	50 - 135
Fluoranthene	ND		3330	1990		ug/Kg		60	45 - 120
Fluorene	ND		3330	2360		ua/Ka		71	50 - 120
Hexachlorobenzene	ND		3330	2220		ua/Ka		67	50 - 120
Hexachlorobutadiene	ND		3330	1940		ua/Ka		58	40 - 120
Hexachlorocyclopentadiene	ND		3330	1350		ua/Ka		41	20 - 125
Hexachloroethane	ND		3330	1760		ua/Ka		53	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3330	2290		ua/Ka		69	20 - 130
Isophorone	ND		3330	1920		ua/Ka		58	40 - 120
Naphthalene	ND		3330	1800		ua/Ka		54	40 - 120
Nitrobenzene	ND		3330	1850		ua/Ka		56	40 - 120
N-Nitrosodi-n-propylamine	ND		3330	2000		ua/Ka		60	35 - 120
N-Nitrosodiphenylamine	ND		3330	2220		ua/Ka		67	45 - 125
Pentachlorophenol	ND		3330	2280		ua/Ka		69	30 - 120
Phenanthrene	ND		3330	2360		ua/Ka		71	50 - 120
Phenol	ND		3330	2120		ua/Ka		64	40 - 120
Pyrene	ND		3330	1960		ua/Ka		59	40 - 125
his (2-chloroisopropyl) ether			3330	1860		ua/Ka		56	40 120
				1000					10 - 120
	MS	MS							
Surrogate	%Recovery	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						

Lab Sample ID: 440-20036-7 MSD Matrix: Solid								С	lient Samp Prep	ole ID: SI Type: To	B-22-3 tal/NA
Analysis Batch: 45705	0	0	0	MOD	MOD				Prep	Batch:	44894
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	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		ua/Ka		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		ua/Ka		57	20 - 120	2	30
4-Chlorophenyl phenyl ether	ND		3330	2670		ua/Ka		80	50 - 120	6	25
3-Methylphenol + 4-Methylphenol	ND		3330	2330		ua/Ka		70	50 - 120	5	25
4-Nitroaniline	ND		3330	2090		ua/Ka		63	40 - 125	4	30
4-Nitrophenol	ND		3330	2290		ua/Ka		69	35 - 125	22	30
Acenaphthene	ND		3330	2340		ua/Ka		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
Benzolalanthracene	ND		3330	2550		ua/Ka		77	50 - 120	3	25
Benzo[a]pyrene	ND		3330	2320		ug/Kg		70	45 - 125	1	25
Benzo[b]fluoranthene	ND		3330	2630		ua/Ka		79	45 - 125	1	30
Benzola.h.ilpervlene	ND		3330	3330		ua/Ka		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		ua/Ka		60	45 - 120	9	25
Bis(2-chloroethyl)ether	ND		3330	1940		ua/Ka		58	35 - 110	10	25
Bis(2-ethylhexyl) phthalate	ND		3330	2760		ug/Ka		83	45 - 130	4	25
Butyl benzyl phthalate	ND		3330	2330		ua/Ka		70	45 - 125	5	25
Chrysene	ND		3330	2220		ua/Ka		67	55 - 120	5	25
 Dibenz(a.h)anthracene	ND		3330	2910		ua/Ka		87	25 - 135	2	30
Dibenzofuran	ND		3330	2160		ua/Ka		65	50 - 120	- 7	25
Diethyl phthalate	ND		3330	2400		ug/Ka		72	50 - 125	5	25
Dimethyl phthalate	ND		3330	2240		ug/Kg		67	45 _ 125	5	25

MSD MSD

2070

2230

2030

2480 2280

Result Qualifier

Unit

ug/Kg

Spike

Added

3330

3330

3330

3330

3330

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Sample Sample

ND

ND

ND

ND

ND

Result Qualifier

Analysis Batch: 45705

Matrix: Solid

Di-n-butyl phthalate

Di-n-octyl phthalate

Hexachlorobenzene

Fluoranthene

Fluorene

Analyte

Lab Sample ID: 440-20036-7 MSD

Client Sample ID: SB-22-3

Prep Type: Total/NA

Prep Batch: 44894

RPD

3

10

11

2

7

11

11

7

2

3

3

10

3

9

# 7

RPD

Limit

25

30

30

30

25

25

25

25

25

25

25

25

30

25

67	50 - 135	4	25
61	45 - 120	2	25
74	50 - 120	5	25
69	50 - 120	3	25
65	40 - 120	11	25

%Rec.

Limits

50 - 125

ug/Kg	67	50 - 135	4
ug/Kg	61	45 - 120	2
ug/Kg	74	50 - 120	5
ug/Kg	69	50 - 120	3
ug/Kg	65	40 - 120	11

%Rec

62

D

Hexachlorobutadiene	ND	3330	2160	ug/Kg	65	40 - 120
Hexachlorocyclopentadiene	ND	3330	1490	ug/Kg	45	20 - 125
Hexachloroethane	ND	3330	1970	ug/Kg	59	35 - 120
Indeno[1,2,3-cd]pyrene	ND	3330	2340	ug/Kg	70	20 - 130
Isophorone	ND	3330	2050	ug/Kg	62	40 - 120
Naphthalene	ND	3330	2010	ug/Kg	60	40 - 120
Nitrobenzene	ND	3330	2080	ug/Kg	62	40 - 120
N-Nitrosodi-n-propylamine	ND	3330	2140	ug/Kg	64	35 - 120
N-Nitrosodiphenylamine	ND	3330	2270	ug/Kg	68	45 - 125
Pentachlorophenol	ND	3330	2340	ug/Kg	70	30 - 120
Phenanthrene	ND	3330	2430	ug/Kg	73	50 - 120
Phenol	ND	3330	2330	ug/Kg	70	40 - 120
Pyrene	ND	3330	2030	ug/Kg	61	40 - 125
bis (2-chloroisopropyl) ether	ND	3330	2030	ug/Kg	61	40 - 120
	MSD MSD					

	III OD	MIGD	
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

### **Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 45901

**TestAmerica** Irvine 8/30/2012

Analysis Batch: 46371

Matrix: Water

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Prep Type: Total/NA Prep Batch: 45901

### 2 3 4 5 6

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

	MB	МВ							
Analyte	Result	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	ua/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	ua/L		08/16/12 15:58	08/19/12 22:16	1
Fluorene	ND		10	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobenzene	ND		10	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorobutadiene	ND		10	4.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachlorocyclopentadiene	ND		20	5.0	ua/L		08/16/12 15:58	08/19/12 22:16	1
Hexachloroethane	ND		10	3.5	ua/L		08/16/12 15:58	08/19/12 22:16	1
Indeno[1.2.3-cd]pyrene	ND		20	3.5	ua/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			10	3.0	ua/l		08/16/12 15:58	08/19/12 22:16	1
Nitrobenzene	ND		20	3.0	ua/L		08/16/12 15:58	08/19/12 22:16	· · 1
N-Nitrosodi-n-propylamine			-0	3.5	ua/l		08/16/12 15:58	08/19/12 22:16	1
N-Nitrosodiphenylamine			10	2.0	ua/l		08/16/12 15:58	08/19/12 22:16	1
Pentachlorophenol			20	2.0 3.5	ua/l		08/16/12 15:58	08/19/12 22:16	· · · · · · · · · · · · · · · · · · ·
Phenanthrene			10	3.5	ua/l		08/16/12 15:58	08/19/12 22:16	1
Phenol			10	2.0	ua/l		08/16/12 15:58	08/19/12 22:16	י 1
	ND		10	2.0	~9, L		- 5, . 5, . E 10.00		

RL

10

10

D

Unit

ug/L

Limits

50 - 120

30 - 120

40 - 120

45 - 120

50 - 125

35 - 120

MDL Unit

4.0 ug/L

D

Prepared

08/16/12 15:58

08/16/12 15:58

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

MB MB

MB MB

8.41 TJN

MB MB

60

49

62

66

71

58

Qualifier

%Recovery

Est. Result Qualifier

ND

ND

**Result Qualifier** 

Analysis Batch: 46371

bis (2-chloroisopropyl) ether

Tentatively Identified Compound

Matrix: Water

Analyte

Pyrene

Tritetracontane

2-Fluorobiphenyl

Phenol-d6 (Surr)

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr) Terphenyl-d14 (Surr)

2,4,6-Tribromophenol (Surr)

Surrogate

Lab Sample ID: MB 440-45901/1-A

**Client Sample ID: Method Blank** 

Analyzed

08/19/12 22:16

08/19/12 22:16

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 45901

Dil Fac

1

2.5 ug/L		08/16/12 15:58	08/19/12 22:16	1	7
RT	CAS No.	Prepared	Analyzed	Dil Fac	0
10.52	7098-21-7	08/16/12 15:58	08/19/12 22:16	1	0
					9
		Prepared	Analvzed	Dil Fac	
		08/16/12 15:58	08/19/12 22:16	1	
		08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16	1 1	
		08/16/12 15:58 08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16 08/19/12 22:16	1 1 1	
		08/16/12 15:58 08/16/12 15:58 08/16/12 15:58 08/16/12 15:58	08/19/12 22:16 08/19/12 22:16 08/19/12 22:16 08/19/12 22:16	1 1 1 1	

### Lab Sample ID: LCS 440-45901/2-A Matrix: Water

Analysis Batch: 46371

Analysis Batch: 46371							Prep Ba	atch: 45901
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	100	61.3		ug/L		61	60 - 120	
Azobenzene)								
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	

Lab Sample ID: LCS 440-45901/2-A

**Client Sample ID: Lab Control Sample** 

### 2 3 4 5 6 7

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### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water									Prep Type: Total/NA
Analysis Batch: 46371									Prep Batch: 45901
			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%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
						-			
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						

	LCS	LCS	
Surrogate	%Recovery	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				Clie	ent San	nple ID:	Lab Contro	I Sampl	e Dup
Matrix: water							Prep	ype: Io	
Analysis Batch: 463/1	0 11	1.000	1.000				Prep	Batch:	45901
Analyte	Spike	Result	Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1 2 4-Trichlorobenzene	100	48.1		_ <u>ua/l</u>		48	45 120		
1 2-Dichlorobenzene	100	44.0		ua/l		44	40 - 120	1	25
1 2-Dinhenvlhydrazine/as	100	64.6		ug/L		65	60 - 120	5	25
Azobenzene)		0.110					001120	Ū	20
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		ua/L		64	55 - 120	1	25
4-Chlorophenyl phenyl ether	100	57.0	*	ua/L		57	65 - 120	2	20
3-Methylphenol + 4-Methylphenol	100	59.9		ua/L		60	50 - 120	3	20
4-Nitroaniline	100	66.9		ua/L		67	55 - 125	8	20
4-Nitrophenol	100	68.5		ua/L		68	45 - 120	14	30
Acenaphthene	100	63.0		ua/L		63	60 - 120	10	20
Acenaphthylene	100	65.8		ua/L		66	60 - 120	8	20
Aniline	100	64.3		ua/L		64	35 - 120	1	30
Anthracene	100	64.8		ua/L		65	65 - 120	7	20
Benzidine	100	63.3		ug/L		63	30 - 160	1	35
Benzolalanthracene	100	64.6		ua/L		65	65 - 120	7	20
Benzolajpyrene	100	65.8		ua/L		66	55 - 130	9	25
Benzo[b]fluoranthene	100	65.4		ua/L		65	55 - 125	5	25
Benzola, h. ilpervlene	100	81.3		ua/L		81	45 - 135	8	25
Benzo[k]fluoranthene	100	67.8		ua/L		68	50 - 125	8	20
Benzoic acid	100	63.5		ua/L		63	25 - 120	9	30
Benzyl alcohol	100	65.4		ua/L		65	50 - 120	2	20
Bis(2-chloroethoxy)methane	100	62.6		ua/l		63	55 - 120	5	20
Bis(2-chloroethyl)ether	100	57.8		ua/L		58	50 - 120	0	20
Bis(2-ethylhexyl) phthalate	100	61.9	*	ua/L		62	65 - 130	9	20
Butyl benzyl phthalate	100	68 1		ua/L		68	55 - 130	8	20
Chrysene	100	65.5		ua/L		66	65 - 120	7	20
Dibenz(a,h)anthracene	100	62.0		ua/l		62	50 _ 135	6	25
Dibenzofuran	100	63 5	*	ua/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	Lab Sample ID: LCSD 440-45901/3-A Client Sample ID: Lab Control Sample Du								e Dup
Matrix: Water							Prep 1	ype: To	tal/NA
Analysis Batch: 46371							Prep	Batch:	45 <mark>90</mark> 1
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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

	MB	мв							
Analyte	Result	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	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Azobenzene)									
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

**Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 47570

Matrix: Solid

Lab Sample ID: MB 440-47570/1-A

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

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Mothod: 8270C - 9	Somivolatilo Organic	Compounde	(CC/MS)	(Continued)
	Sennivolatile Organit	compounds		(Continueu)

Analysis Batch: 47938	MD	MD						Prep Batcl	n: <b>47570</b>
Amelia	NID De serité		D.	MDI	11		Description	A	D!!
	Result	Qualifier		MDL	Unit	<u>D</u>	Prepared	Analyzed	
	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
	ND		330	60	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
	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	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Indeno[1.2.3-cd]pvrene	ND		330	130	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Isophorone	ND		330	60	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Naphthalene	ND		330	60	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Nitrobenzene	ND		330	70	ug/Ka		08/24/12 07.27	08/27/12 02:40	· · · · · · · · · · · · · · · · · · ·
N-Nitrosodi-n-propylamine	ND		250	70	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
N-Nitrosodiphenylamine			330	80	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Pentachloronhenol			830	150	ua/Ka		08/24/12 07:27	08/27/12 02:40	1
Phenanthrene	חוא		330	001	ug/Kg		08/24/12 07:27	08/27/12 02:40	1
Phenol	םאי סאי		330	00	ug/Kg		08/24/12 07.27	08/27/12 02:40	1
	ND		330	90	ayny		0012411201.21	00/21/12 02.40	I

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-47570/1-A

**Client Sample ID: Method Blank** 

Matrix: Solid								Prep Type: 1	Total/NA	
Analysis Batch: 47938								Prep Batch	n: 47570	
	MB	MB								Þ
Analyte	Result	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	Ē
	МВ	МВ								
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac	
Butane, 2-methoxy-2-methyl-	1190	TJN	ug/Kg		1.60	994-5-8	08/24/12 07:27	08/27/12 02:40	1	C
Unknown	7720	ΤJ	ug/Kg		2.95		08/24/12 07:27	08/27/12 02:40	1	
1-Eicosanol	299	TJN	ug/Kg		10.65	629-96-9	08/24/12 07:27	08/27/12 02:40	1	
	МВ	МВ								
Surrogate	%Recovery	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						c	lient Sample I	D: Lab Control	Sample	
Matrix: Solid								Prep Type: 1	Total/NA	
Analysis Batch: 48139								Prep Batcl	n: <b>47570</b>	

Analysis Baton. 40100	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	3330	2220		ug/Kg		67	50 _ 125	
Azobenzene)								
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	

**Client Sample ID: Lab Control Sample** 

### 2 3 4 5 6 7 8 9 10 11

### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID:	LCS 440-47570/2-A
Matrix: Solid	

Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 48139							Prep Batch: 4757
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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

	LCS	LCS	
Surrogate	%Recovery	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

### 2 3 4 5 - 6

Method: 8270C - Semivolatile Organic Compounds	(GC/MS) (Continued)

Lab Sample ID: 440-21307-A- Matrix: Solid	1-A MS							Client	Sample ID Prep T	: Matrix Spike ype: Total/NA
Analysis Batch. 47930	Sample	Sampla	Spiko	ме	MS				%Pee	Datch: 4/5/0
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	JF	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		ua/Ka		69	40 - 120	
2-Methylnaphthalene	ND		3330	2360		ua/Ka		71	40 - 120	
2-Methylphenol	ND		3330	2380		ua/Ka		71	40 - 120	
2-Nitroaniline	ND		3330	2680		ua/Ka		80	45 - 120	
2-Nitrophenol	ND		3330	2340		ua/Ka		70	40 - 120	
3 3'-Dichlorobenzidine	ND		3330	2050		ua/Ka		62	20 130	
3-Nitroaniline	ND		3330	2170		ua/Ka		65	30 120	
4 6-Dinitro-2-methylphenol			3330	1750		ug/Kg		52	35 120	
4-Bromonbenyl phenyl ether			3330	2500		ug/Kg		75	45 120	
4-Chloro-3-methylphenol			3330	2690		ug/Kg		81	50 125	
			3330	1820		ug/Kg		55	20 120	
			3330	2730		ug/Kg		82	50 120	
3 Methylphonel + 4 Methylphonel			3330	27500		ug/Kg		75	50 120	
4 Nitroapiline			3330	2500		ug/Kg		79	10 - 120 10 - 125	
4 Nitrophonol			3330	2090		ug/Kg		84	40 - 12J 35 125	
			2220	2000		ug/Kg		70	45 120	
Acenaphthylana			2220	2530		ug/Kg		70	45 - 120	
			2220	2040		ug/Kg		70 60	40 - 120	
Anthreesens			3330	2300		ug/Kg		09	20 - 120	
Antinacene			3330	2040		ug/Kg		70	55 - 120 20 - 120	
			3330	131		ug/Kg			20 - 120	
	ND		3330	2420		ug/Kg		73	50 - 120	
Benzolajpyrene	ND		3330	2520		ug/Kg		76	45 - 125	
Benzo[b]fluoranthene	ND		3330	2590		ug/Kg		/8	45 - 125	
Benzo[g,h,I]perylene	ND		3330	2830		ug/Kg		85	25 - 130	
	ND		3330	2650		ug/Kg		79	45 - 125	
Benzoic acid	ND		3330	319	JF	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	

### Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 47570

Lab Sample ID: 440-21307-A-1-A MS	
Matrix: Solid	

									i top typet tetastat
Analysis Batch: 47938									Prep Batch: 47570
	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

	MS	MS	
Surrogate	%Recovery	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									Prep	Batch:	47570
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	ND		3330	2240		ug/Kg		67	50 - 125	10	25
Azobenzene)											
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	JF	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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Method: 8270C - Semivolatile Organic Compounds (C	GC/MS) (Continued)
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Lab Sample ID: 440-21307-A-1-B MSD
Matrix: Solid

Matrix: Solid									Prep 1	ype: To	al/NA
Analysis Batch: 47938	Sample	Sample	Spike	MSD	MSD				Prep %Rec.	Batch:	47570 RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	JF	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 Matrix: Solid	-1-B MSD						Client Sa	ample IC	): Matrix Sp Prep T	oike Dup	olicate
Analysis Batch: 47938									Prep	Batch:	47570
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									
Surrogate	%Recovery	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 Matrix: Solid	)/4										Client S	Sample ID:	Method	Blank
Analysis Batch: 45520												Перт	ype. io	
Analysis Datch. 40020		мв	мв											
Analyte	Re	sult	Qualifier	RL		MDL	Unit		D	Р	repared	Analvz	ed	Dil Fac
GRO (C4-C12)		ND		400		150	ug/Kg				•	08/15/12	15:06	1
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limits						P	repared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		98		65 - 140					-			08/15/12	15:06	1
_ Lab Sample ID: LCS 440-4552	0/2								Cli	ent	Sample	e ID: Lab Co	ontrol S	ample
Matrix: Solid												Prep T	vpe: To	tal/NA
Analysis Batch: 45520														
				Spike	LCS	LCS						%Rec.		
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
GRO (C4-C12)				1600	1480			ug/Kg		_	92	70 - 135		
	LCS	LCS												
Surrogate	%Recovery	Qual	lifier	Limits										
4-Bromofluorobenzene (Surr)	107			65 - 140										
- Lab Sample ID: LCSD 440-455	520/3							Cli	ient S	Sam	ple ID:	Lab Contro	I Samp	e Dup
Matrix: Solid											· · · ·	Prep T	ype: To	tal/NA
Analysis Batch: 45520														
-				Spike	LCSD	LCS	D					%Rec.		RPD
Analyte				Added	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
GRO (C4-C12)				1600	1520			ug/Kg		_	95	70 - 135	3	20
	LCSD	LCS	D											
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	107			65 - 140										

TestAmerica Job ID: 440-20036-1

### Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20036-1 M Matrix: Solid	S								Clie	ent Sample Prep 1	ID: SB	-21-0.5
Analysis Batch: 45520										Ticpi	ype. ie	
Analysis Datch. 40020	Sample	Sample	Spike	MS	MS					%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
GRO (C4-C12)	ND		1470	1160		ug/Kg		_	79	60 - 140		
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	98		65 - 140									
Lab Sample ID: 440-20036-1 M Matrix: Solid	SD								Clie	ent Sample Prep 1	ID: SB ype: To	-21-0.5 otal/NA
Analysis Batch: 45520	Sample	Sample	Snike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit		п	%Rec	l imits	RPD	Limit
GRO (C4-C12)	ND		1590	1070		ug/Kg		_	68	60 - 140	8	30
	MSD	MSD										
Surrogate	%Recoverv	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	85		65 - 140									
Lab Sample ID: MB 440-45781	28								Client S	Sample ID:	Method	Blank
Matrix: Water										Prep 1	уре: То	tal/NA
Analysis Batch: 45781												
	_	MB MB					_	_			_	
Analyte	R	esult Qualifier	RL		MDL Unit		_ D	Р	repared	Analyz	ed	Dil Fac
GRU (C4-C12)		ND	50		25 UG/L					08/16/12	23:26	1
		MB MB										
Surrogate	%Reco	overy Qualifier	Limits					P	repared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		101	65 - 140							08/16/12	23:26	1
 Lab Sample ID: LCS 440-45781	/27						Clie	ent	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water										Prep 1	ype: To	tal/NA
Analysis Batch: 45781												
			Spike	LCS	LCS					%Rec.		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
GRO (C4-C12)			800	749		ug/L		_	94	80 - 120		
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	133		65 - 140									
Lab Sample ID: 440-20015-A-9	MSD						Client	t Sa	ample ID	D: Matrix Sp	oike Du	plicate
watrix: water										Prep 1	ype: fo	tai/NA
Analysis Batch: 45781	Sample	Sample	Spike	MSD	MSD					%Rec		RbU
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RbU	Limit
GRO (C4-C12)			800	654	quality			_		65 _ 140	13	
/												_5
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									

 4-Bromofluorobenzene (Surr)
 136
 65 - 140

TestAmerica Job ID: 440-20036-1

### Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Analysis Batch: 45781       Sample       Sample       Spike       MS       MS       MS       MS       %Rec.         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec.       Limits
Sample       Sample       Spike       MS       MS       MS       %Rec.         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec.       Limits       65.140
Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec       Limits         GRO (C4-C12)       ND       MS       MS       MS       MS       65.140       65.140         MS
GRO (C4-C12)       ND       800       744       ug/L       93       65.140         MS       MS <t< td=""></t<>
MS       MS         Surrogate       %Recovery       Qualifier       Limits         4-Bromofluorobenzene (Surr)       125       65 - 140         Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank Prep Type: Total/NA         Matrix: Solid       Analysis Batch: 45841         Analyte       Result       Qualifier         Result       Qualifier       RL         MB       MB         GRO (C4-C12)       ND       400         MB       MB         Surrogate       %Recovery         4-Bromofluorobenzene (Surr)       99         99       65 - 140
Surrogate       %Recovery       Qualifier       Limits         4-Bromofluorobenzene (Surr)       125       65 - 140         Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank Prep Type: Total/NA         Matrix: Solid       MB MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       08/16/12 20:45       1
4-Bromofluorobenzene (Surr)       125       65-140         Lab Sample ID: MB 440-45841/4 Matrix: Solid       Client Sample ID: Method Blank Prep Type: Total/NA         Analysis Batch: 45841       MB       MB         Analyte       Result       Qualifier       RL 400       MDL 150       Unit       D       Prepared       Analyzed       Dil Fac 08/16/12 20:45         Surrogate       %Recovery       Qualifier       Limits 65-140       Prepared       Analyzed       Dil Fac 08/16/12 20:45
Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank         Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       MB       Unit       D       Prepared       Analyzed       Dil Fac         MB
Lab Sample ID: MB 440-45841/4       Client Sample ID: Method Blank         Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB <td< td=""></td<>
Matrix: Solid       Prep Type: Total/NA         Analysis Batch: 45841       MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       MB       MB         MB       MB       MB       MB       MB       D       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofiluorobenzene (Surr)       99       65 - 140       Limits       Prepared       Analyzed       Dil Fac
MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil Fac         GRO (C4-C12)       ND       400       150       ug/Kg       D       Prepared       Analyzed       Dil Fac         MB       MB       MB       MB       MB       Prepared       Analyzed       Dil Fac         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofluorobenzene (Surr)       99       65 - 140       08/16/12 20:45       1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacGRO (C4-C12)ND400150ug/Kg08/16/12 20:451MBMBMBPreparedAnalyzedDil Fac4-Bromofluorobenzene (Surr)9965 - 14008/16/12 20:451
Market     Model     Market     Market
MB       MB       MB         Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       Dil Fac         4-Bromofluorobenzene (Surr)       99       65 - 140       08/16/12 20:45       1
MB     MB       Surrogate     %Recovery     Qualifier     Limits       4-Bromofluorobenzene (Surr)     99     65 - 140     08/16/12 20:45     1
Surrogate     %Recovery     Qualifier     Limits     Prepared     Analyzed     Dil Fac       4-Bromofluorobenzene (Surr)     99     65 - 140     08/16/12 20:45     1
4-Bromofluorobenzene (Surr) 99 65 - 140 08/16/12 20:45
Lab Sample ID: LCS 440-45841/2 Client Sample ID: Lab Control Sample
Matrix: Solid Pren Type: Total/NA
Analysis Batch: 45841
Spike LCS LCS %Rec.
Analyte Added Result Qualifier Unit D %Rec Limits
GRO (C4-C12) 1600 1450 ug/Kg 91 70 - 135
Surrogate %Recovery Qualitier Limits
4-Bromonuorobenzene (Surr) 121 65 - 140
Lab Sample ID: LCSD 440-45841/3 Client Sample ID: Lab Control Sample Dur
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 45841
Spike LCSD LCSD %Rec. RPD
Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit
GRO (C4-C12)         1600         1460         ug/Kg         91         70 - 135         0         200
LUGU LUGU Surragata % Pacavany Qualifiar Limite
A-Bromofluorobenzene (Surr) 118 65 140
Lab Sample ID: 440-20268-E-3 MS Client Sample ID: Matrix Spike
Matrix: Solid Prep Type: Total/NA
Analysis Batch: 45841
Sample Sample Spike MS MS %Rec.
Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits
GRO (C4-C12)         ND         1590         1280         ug/Kg         80         60 - 140
MS_MS
surronate %Recovery Qualifier Limits
4-Bromofluorobenzene (Surr) 100 65 - 140

TestAmerica Job ID: 440-20036-1

### Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-20268-E-3	MSD					Cli	ent S	ample II	D: Matrix Sp	oike Duj	
Analysis Batch: 45841									Fieh i	ype. io	
Analysis Datch. 43041	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)	ND		1480	1260		ua/Ka		85	60 - 140	2	30
( )						5 5					
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		65 - 140								
Lab Sample ID: MB 440-47717	14							Client	Samplo ID:	Mothod	Blank
Matrix: Solid								Chent	Pron T	ivne: To	
Analysis Batch: 47717									Fieh i	ype. io	
Analysis Datch. 41111		МВ МВ									
Analyte	R	esult Qualifier	F	RL	MDL Unit	D	P	Prepared	Analyz	ed	Dil Fac
GRO (C4-C12)		ND 4	4	00	150 ug/Kg		·		08/24/12	18:19	1
( )					5.5						
		MB MB									
Surrogate	%Reco	overy Qualifier	Limits				F	Prepared	Analyz	ed	Dil Fac
4-Bromofluorobenzene (Surr)		101	65 - 140	)					08/24/12	18:19	1
	7/0							• Comul			
Lab Sample ID: LCS 440-4771	//2						Client	t Sample			ample
Matrix: Solid									Prep I	ype: to	tal/NA
Analysis Batch: 47717			Sniko	201	109				%Pec		
Analyte			bebbA	Result	Qualifier	Unit	п	%Rec	l imite		
GBO (C4-C12)			1600	1330				83	70 135		
			1000						101100		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	116		65 - 140								
	47/0					011-0-0			Lak Cantur		
Lab Sample ID: LCSD 440-477	17/3					Clien	it San	npie iD:	Lab Contro	i Samp	
Matrix: Solid									Prep I	ype: to	tal/NA
Analysis Batch: 47717			Spiko	1.050	1.050				% Poc		DDD
Analuto			Addod	Bosult	Qualifier	Unit	п	% Pac	/inec.	חסס	Limit
GBO (C4-C12)			1600	1410	Quaimer			88	70 135	6	20
			1000	1410		~9,9		00	10-100	0	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	123		65 - 140								
Γ											
Lab Sample ID: 440-21161-A-1	MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep I	ype: Io	tal/NA
Analysis Batch: 47717	Sample	Sampla	Spike	ме	Me				% Bee		
Analyta	Sample	Gualifiar	Shike	MS Baawle	Nio	Unit	~	0/ Doo	MRec.		
			1400	1070	Quaimer			% <b>κεc</b>	60 140		
	ND		1490	1270		uyny		00	00 - 140		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	118		65 - 140								

-										_					
Lab Sample ID: 440-21161-A	-1 MSD									Clie	nt Sa	ample ID	: Matrix S	pike Du	plicat
Matrix: Solid													Prep	iype: io	otal/N/
Analysis Batch. 47717	Sample	Sam	ple	Spike		MSD	MSD	,					%Rec.		RPI
Analyte	Result	Qual	lifier	Added		Result	Qual	lifier	Unit		D	%Rec	Limits	RPD	Limi
GRO (C4-C12)				1480		1260			ua/Ka			86	60 - 140	1	3
									3/3						
	MSD	MSD	)												
Surrogate	%Recovery	Qua	lifier	Limits											
4-Bromofluorobenzene (Surr) _	114			65 - 140											
Mothod: 2015B Diosol B	ango Organ	lee													
	ange Organ	ics		(60)											
Lab Sample ID: MB 440-4552	25/1-A											<b>Client Sa</b>	ample ID:	Method	Blan
Matrix: Water													Prep <sup>-</sup>	Type: To	otal/NA
Analysis Batch: 45425													Prep	Batch:	4552
		MB	MB												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	P	repared	Analy	zed	Dil Fa
C13-C22		ND			0.50		0.10	mg/L			08/1	5/12 13:18	08/15/12	21:35	
C23-C40		ND			0.50		0.10	mg/L			08/1	5/12 13:18	08/15/12	21:35	
		ΜВ	МВ												
Surrogate	%Reco	overy	Qualifier	Limit	ts						Р	repared	Analy	zed	Dil Fa
n-Octacosane		75		45 - 1	120						08/1	5/12 13:18	08/15/12	21:35	
- Lab Sample ID: LCS 440-455	25/2-4									C	liont	Sample	ID: Lah C	ontrol S	ample
Matrix: Water										Ŭ	non	Campio	Pren	Type: To	tal/N/
Analysis Batch: 45425													Prer	Batch:	4552
Analysis Batch. 40420				Spike		LCS	LCS						%Rec.	Daten.	40020
Analyte				Added		Result	Qual	lifier	Unit		D	%Rec	Limits		
C10-C28				1.00		0.775			mg/L			78	40 - 115		
	105	100													
Surrogate	%Recoverv	Qua	lifier	Limits											
n-Octacosane	80			45 - 120											
- - - 1 - 1:000 - 1:000 - 1:000											~				
Lab Sample ID: LCSD 440-45	525/3-A								C	lient	Sam	iple ID: L	ab Contro	o Samp	ie Dup
													Prep	iype: To	otal/NA
Matrix: Water													_		
Matrix: Water Analysis Batch: 45425				0		1.005	1.00	-					Prep	Batch:	4552
Matrix: Water Analysis Batch: 45425				Spike		LCSD	LCS	D	11-11		_	% <b>D</b>	Prep %Rec.	Batch:	4552 RPI

LCSDLCSDSurrogate%RecoveryQualifiern-Octacosane7945 - 120

Lab Sample ID: MB 440-46433/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Prep Batch: 46433 Analysis Batch: 46446 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac C13-C22 5.0 08/20/12 08:52 08/20/12 19:06 ND 3.5 mg/Kg 1 C23-C40 ND 5.0 3.5 mg/Kg 08/20/12 08:52 08/20/12 19:06 1 MB MB Qualifier Prepared Dil Fac Surrogate %Recovery Limits Analyzed 40 - 140 08/20/12 08:52 08/20/12 19:06 n-Octacosane 65 1

### Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-46	433/2-A									С	lient	Sample	ID: Lab Contr	ol Sam
Matrix: Solid													Prep Type	· Total/I
Analysis Batch: 46446													Prep Ba	tch: 464
-				Spike		LCS	LCS						%Rec.	
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28				33.3		16.2			mg/Kg			49	45 - 115	
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
n-Octacosane	59			40 - 140										
Lab Sample ID: MB 440-473	86/1-A											Client S	ample ID: Met	hod Bla
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
		мв	MB											
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Analyzed	Dil I
C13-C22		ND			5.0		3.5	mg/Kg		—	08/2	3/12 12:19	08/24/12 17:5	9
C23-C40		ND			5.0		3.5	mg/Ka			08/2	3/12 12:19	08/24/12 17:5	9
								2 0						
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limits	s						P	repared	Analyzed	Dill
n-Octacosane		67		40 - 1	40						08/2	3/12 12:19	08/24/12 17:5	9
_ Lab Sample ID: LCS 440-47	386/2-A									с	lient	Sample	ID: Lab Contr	ol Samı
Matrix: Solid												•	Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
· ····· <b>,</b> · · · · · · · · · · · · · · · · · · ·				Spike		LCS	LCS						%Rec.	
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28				33.3		25.4			mg/Kg			76	45 - 115	
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
n-Octacosane 	71			40 - 140										
Lab Sample ID: 440-20877-/	A-12-D MS											Client	Sample ID: Ma	atrix Spi
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
,	Sample	Sam	ple	Spike		MS	MS						%Rec.	
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
C10-C28	ND			33.3		21.2			mg/Kg			64	40 - 120	
	MS	MS												
Surrogate	%Pecoverv	0u2	lifior	Limite										
n-Octacosane	58	Quu		40 - 140										
_														
Lab Sample ID: 440-20877-/	A-12-E MSD									Clie	nt Sa	ample ID	: Matrix Spike	Duplica
Matrix: Solid													Prep Type	: Total/I
Analysis Batch: 47599													Prep Ba	tch: 473
	Sample	Sam	ple	Spike		MSD	MSD	)					%Rec.	R
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits F	RPD Li
C10-C28	ND			33.3		22.8			mg/Kg			68	40 - 120	7
	MSD	MSD	)											
Surrogate	%Recoverv	Qua	lifier	Limits										
n-Octacosane				40 - 140										
	50													

Lab Sample ID: MB 440-45897/1-A

**Client Sample ID: Method Blank** 

### Method: 7199 - Chromium, Hexavalent (IC)

Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
		MB MB										
Analyte	R	esult Qualifier		RL	MDL Unit		D	Pre	epared	Analyz	ed	Dil Fac
Cr (VI)		ND		2.0	1.5 mg/k	ζg	(	08/16/	/12 15:44	08/16/12 2	22:33	10
Lab Sample ID: LCS 440-45897/2	2-A						Cli	ent S	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
			Spike	LCS	LCS					%Rec.		
Analyte			Added	Resul	t Qualifier	Unit		D	%Rec	Limits		
Cr (VI)			16.0	12.6	3	mg/Kg			79	65 - 110		
Lab Sample ID: 280-31767-B-2-C	MS								Client S	Sample ID:	: Matrix	Spike
Matrix: Solid										Prep T	ype: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
	Sample	Sample	Spike	MS	6 MS					%Rec.		
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%Rec	Limits		
Cr (VI)	ND		16.0	12.4	1	mg/Kg			77	55 _ 110		
Lab Sample ID: 280-31767-B-2-D	MSD						Client	t Sar	nple ID:	Matrix Sp	oike Dup	licate
Matrix: Solid									1 - C	Prep T	vpe: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
	Sample	Sample	Spike	MSE	MSD					%Rec.		RPD
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		16.0	11.8	3	mg/Kg			74	55 - 110	4	20
Lab Sample ID: 280-31767-B-2-E	MSI								Client S	Sample ID:	: Matrix	Spike
Matrix: Solid										Prep T	vpe: To	tal/NA
Analysis Batch: 45904										Prep	Batch:	45897
,	Sample	Sample	Spike	MS	I MSI					%Rec.		
Analyte	Result	Qualifier	Added	Resul	t Qualifier	Unit		D	%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 Matrix: Solid Analysis Batch: 46570							Client Sa	mple ID: Metho Prep Type: T Prep Batch	d Blank Total/NA n: 46306
• • •	MB	MB				_	- ·		
Analyte	Result	Qualifier	RL	MDL	Unit	U	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

RL

1.0

RL

2.0

Chika

MDL Unit

MDL Unit

0.20 mg/Kg

0.80 mg/Kg

D

D

Prepared

08/18/12 12:47

Prepared

08/18/12 12:47

MB MB

ND

**Result Qualifier** 

MB MB

ND

Result Qualifier

Analysis Batch: 46570

Analysis Batch: 47215

Analysis Batch: 46570

Matrix: Solid

Matrix: Solid

Analyte

Analyte

Molybdenum

Silver

**Client Sample ID: Method Blank** 

Analyzed

08/20/12 15:11

**Client Sample ID: Method Blank** 

Analyzed

08/22/12 16:48

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 46306

Prep Batch: 46306

Dil Fac

5

7
8
9

Lab Sample ID: LCS 440-46306/2-A ^5 Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-46306/1-A ^5

Lab Sample ID: MB 440-46306/1-A ^5

Client Sample ID: Lab Control Sample Prep Type: Total/NA

0/ Doo

Prep Batch: 46306

Dil Fac

5

	Spike	L03	L03				/arec.	
Analyte	Added	Result	Qualifier	Unit	D	%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					Client Sample ID: Lab Control Sample			
Matrix: Solid							Prep 1	Type: Total/NA
Analysis Batch: 47215							Prep	Batch: 46306
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Molybdenum	49.3	48.5		mg/Kg		98	80 - 120	

### Lab Sample ID: 440-20036-1 MS Matrix: Solid

Analy	/sis	Batch:	46570

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Client Sample ID: SB-21-0.5

Prep Type: Total/NA Prep Batch: 46306
#### Method: 6010B - Metals (ICP) (Continued)

Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 46570									Prep	Batch:	4630
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/N/
Analysis Batch: 47215									Prep	Batch:	4630
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Molybdenum	ND		49.3	45.5		mg/Kg		92	75 - 125		
Lab Sample ID: 440-20036-1 MSD								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/N/
Analysis Batch: 46570									Prep	Batch:	4630
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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	2
Cadmium	0.48	J	49.5	53.9		mg/Kg		108	75 - 125	8	2
Chromium	11		49.5	56.6		mg/Kg		93	75 - 125	9	2
Cobalt	6.1		49.5	56.4		mg/Kg		102	75 - 125	9	2
Copper	23		49.5	68.5		mg/Kg		92	75 - 125	15	2
Lead	9.6		49.5	54.4		mg/Kg		90	75 _ 125	9	2
Nickel	9.6		49.5	57.6		mg/Kg		97	75 _ 125	9	2
Selenium	ND		49.5	45.1		mg/Kg		91	75 - 125	10	2
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	2
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								Clie	ent Sample	ID: SB-	21-0.
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 47215									Prep	Batch:	46306
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Mahyhdanum			49.5	11.6		ma/Ka		90	75 125	2	20

## Matrix: Water

Analysis Batch: 45739								Prep Batch	n: 45116
	MB	MB							
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 21:41	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

Prep Type: Dissolved

Lab Sample ID: MB 440-45063/1-C

**Client Sample ID: Method Blank** 

Client Sample II	D: Lab Control Sa	ample
08/14/12 07:59	08/15/12 21:41	1
00/14/12 01:00	00/10/12 21.41	

Prep Type: Dissolved

## Method: 6010B - Metals (ICP) (Continued)

Matrix: Water							Prep Type: Di	rep Type: Dissolved	
Analysis Batch: 45739								Prep Batch	n: <b>45116</b>
	MB	MB							
Analyte	Result	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 Matrix: Water Analysis Batch: 45739

Analysis Batch: 45739							Prep Bat	tch: 45116
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 Matrix: Water Analysis Batch: 45739

Sa	mple	Sample	Spike	MS	MS				%Rec.
Analyte R	esult	Qualifier A	dded	Result	Qualifier	Unit	D	%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

## Client Sample ID: EB-081012

**Prep Type: Dissolved** Prep Batch: 45116

MS MS

1.05

1.01

1.06

1.04

1.03

0.502

Result Qualifier

Unit

mg/L

mg/L

mg/L

mg/L

mg/L

Spike

Added

1.00

1.00

1.00

1.00

1.00

0.500

Analysis Batch: 45739

Matrix: Water

Analyte

Selenium

Thallium

Vanadium

Zinc

Silver

Nickel

Lab Sample ID: 440-20036-14 MS

Method: 6010B - Metals (ICP) (Continued)

Sample Sample

ND

ND

ND

ND

ND

ND

Result Qualifier

Client Sample ID: EB-081012

%Rec.

Limits

75 - 125

75 - 125

75 - 125

75 - 125

75 - 125

Prep Type: Dissolved

Prep Batch: 45116

#### mg/L 100 75 - 125 Client Sample ID: EB-081012 Prep Type: Dissolved Prep Batch: 45116 %Rec. RPD

%Rec

105

100

106

104

103

D

#### Lab Sample ID: 440-20036-14 MSD Matrix: Water

Analysis Batch: 45739									Prep	Batch:	45116
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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									Clie	ent Sa	ample ID: Metho Prep Type:	od Blank Total/NA
	МВ	МВ										
Analyte	Result	Qualifier		RL	MDL	Unit		D	Prepa	red	Analyzed	Dil Fac
Cr (VI)	ND		0.0	025 (	0.0050	mg/L					08/11/12 00:36	1
Lab Sample ID: LCS 440-44700/4								Clie	ent Sa	mple	ID: Lab Contro	Sample
Matrix: Water											Prep Type:	Total/NA
Analysis Batch: 44700												
			Spike	LCS	LCS						%Rec.	
Analyte			Added	Resul	t Qua	lifier	Unit		D %I	Rec	Limits	
Cr (VI)			0.100	0.105	5		mg/L			105	90 - 110	

## Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 440-20036-14 MS Matrix: Water Analysis Batch: 44700								Clier	nt Sample Prep	ID: EB-0 Type: Tot	81012 tal/NA
Analysis Batom 44700	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cr (VI)	ND		0.300	0.319		mg/L		106	85 _ 115		
 Lab Sample ID: 440-20036-14 MSD	1							Clier	nt Sample	ID: EB-0	81012
Matrix: Water									Prep	Type: To	tal/NA
Analysis Batch: 44700											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		0.300	0.314		mg/L		105	85 - 115	2	20

Prep Type

Total/NA

**Client Sample ID** 

SB-21-0.5

SB-21-3

SB-22-3

SB-22-3

SB-22-3

SB-20-3

Dup-1

Dup-2

Lab Control Sample

Method Blank

SB-20-0.5

SB-22-0.5

**GC/MS Semi VOA** 

Prep Batch: 44894 Lab Sample ID

440-20036-1

440-20036-2

440-20036-6

440-20036-7

440-20036-8

440-20036-10

440-20036-12

440-20036-13

LCS 440-44894/2-A

MB 440-44894/1-A

440-20036-7 MS

440-20036-7 MSD

Method

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

3546

Prep Batch

Prep Type	Matrix	Method	Prep Batch	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NA	Solid	8270C	44894	
Total/NIA	Solid	82700	11801	

Matrix

Solid

#### Analysis Batch: 45705 Г

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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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	Client Sample ID	Ргер Туре	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	CALUFT	
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	Ргер Туре	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	Ргер Туре	Matrix	Method	Prep Batch
440-20036-13	Dup-2	Total/NA	Solid	CALUFT	
LCS 440-46433/2-A	Lab Control Sample	Total/NA	Solid	CALUFT	
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	Ргер Туре	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	CALUFT	
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	CALUFT	
MB 440-47386/1-A	Method Blank	Total/NA	Solid	CALUFT	
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	Ргер Туре	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

#### TestAmerica Job ID: 440-20036-1

**8** 9

#### **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

malysis balcii. 45755						0
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	ð
440-20036-14	EB-081012	Dissolved	Water	6010B	45116	
440-20036-14 MS	EB-081012	Dissolved	Water	6010B	45116	9
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	Ргер Туре	Matrix	Method	Prep Batch	

#### 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	Ргер Туре	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 440-20036-14	Client Sample ID EB-081012	Prep Type Dissolved	Matrix Water	Method 6010B	Prep Batch 45116
Analysis Batch: 4721	5				
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

Prep Type

Total/NA

Matrix

Solid

**Metals (Continued)** 

Lab Sample ID

440-20036-2

440-20036-6

440-20036-7

440-20036-8

440-20036-10

440-20036-12

440-20036-13

440-20036-1 MSD

Analysis Batch: 47215 (Continued)

**Client Sample ID** 

SB-21-0.5

SB-21-3

SB-22-3

SB-20-3

Dup-1

Dup-2

Lab Control Sample

Method Blank

SB-20-0.5

SB-22-0.5

Method

6010B

Prep Batch

46306

46306

46306

46306

46306

46306

46306

46306

46306

46306

## 0 7 8 9

## General Chemistry

LCS 440-46306/2-A ^5

MB 440-46306/1-A ^5

#### Analysis Batch: 44700

Lab Sample ID	Client Sample ID	Ргер Туре	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

# 5

## Qualifiers

GC/MS Semi VOA
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Qualifier	Qualifier Description	
X	Surrogate is outside control limits	5
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	0
GC/MS Ser	ni VOA TICs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	8
Ν	Presumptive evidence of material.	0
т	Result is a tentatively identified compound (TIC) and an estimated value.	0
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	<b>.</b>
GC VOA		
Qualifier	Qualifier Description	
X	Surrogate is outside control limits	11
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
GC Semi V	ΟΑ	
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.	
х	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.
В	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)

#### 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

<b>TestAmerica Irvine</b> 17461 Derian Ave				JestAmerica
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phone 949.261.1022 fax 949.260.3299		- - - - -		TestAmerica Laboratories, Inc.
	Project Manager: Mitchael Flaugher Tailtean 676 6671	Sue Contact: Joan Dolmat I ab Contact: Ionathan Bonesalaira	Corrige: 0/10/12	COC TWC
618 Michillinda Ave. Suite 200	Activation of the Analysis Turnaround Time			Job No.
Arcadia, CA 91007	Calendar ( C ) or Work Days(W) <u>10</u>	(666		
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#### Login Sample Receipt Checklist

#### Client: MWH Americas Inc

## Login Number: 20036

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	

12

Job Number: 440-20036-1

List Source: TestAmerica Irvine



# APPENDIX G3 NFA Letter for GE Aviation 1700 Business Center Drive

Department of Toxic Substances Control

Matthew Rodriguez Secretary for Environmental Protection

Miriam Barcellona Ingenito Acting Director 9211 Oakdale Avenue Chatsworth, California 91311

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



Edmund G. Brown Jr.

Governor



Ms. Lisa A. Hamilton August 5, 2014 Page 2

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

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.



Edmund G. Brown Jr.

Governor



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 315 Montana Avenue, Suite 311 Santa Monica, CA 90403 Tel 805 844 0205 www.ce.solutions This Page is Intentionally Blank

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Figure 2	Facility Map
Figure 3	Facility Map with Former Floor Drain Infrastructure

## Appendices

Appendix A	Photograph Log
Appendix B	Environmental Data Resources (EDR) Radius Report
Appendix C	Aerial Photographs
Appendix D	Topographic Maps
Appendix E	Personnel Interviews
Appendix F	Former UST Information
Appendix G	2007 Asbestos Inspection Report
Appendix H	1997 Soil Gas Survey Report

## 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
РСВ	Polychlorinated Biphenyl
REC	Recognized Environmental Condition
USEPA	United States Environmental Protection Agency
SWRCB	California State Water Resource Control Board
ТРН	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.

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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;
  - o 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 contaminationrelated 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	<ul> <li>Business Center Drive</li> <li>A business center that includes the following businesses: <ul> <li>Quality Precision Cleaning;</li> <li>Mutiny Crossfit;</li> <li>Element Six;</li> <li>C&amp;H Surplus;</li> <li>Target Imaging;</li> <li>Grant Products International; and,</li> <li>MPK Foods.</li> </ul> </li> <li>Residential properties.</li> </ul>
South	<ul> <li>Highland Industrial Center that includes the following businesses:</li> <li>Galaxy Helmets and Accessories; and,</li> </ul>



Direction	Property/Land Use	
	- Everfocus Electronics Corporation.	
East	<ul> <li>Highland Avenue</li> <li>A business center that includes the following businesses: <ul> <li>Cooks Collision;</li> <li>Prolacta;</li> <li>SiteOne Landscape Supply; and,</li> <li>D'Aquino Italian Imports.</li> </ul> </li> </ul>	
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 rolloff 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 onsite 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.



## 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.



## 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.



## **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)	
	<ul> <li>CA LOS ANGELES COUNTY HMS - Los Angeles County Hazardous Materials System (Los Angeles County Department of Public Works)</li> <li>CA NPDES – NPDES permits listing (California State Water Resources Control Board)</li> </ul>	
Smiths Aerospace	<ul> <li>CA SWEEPS UST – UST listings (California State Water Resources Control Board)</li> <li>CA HIST UST – hazardous substance storage container database (California State Water Resources Control Board)</li> <li>CA FID UST – facility inventory database (California Environmental Protection Agency)</li> <li>CA HAZNET – facility and manifest data (California Environmental Protection Agency)</li> <li>CA LOS ANGELES COUNTY HMS - Los Angeles County Hazardous Materials System (Los Angeles County Department of Public Works)</li> </ul>	
Dowty Aerospace	<ul> <li>CA HAZNET – facility and manifest data (California Environmental Protection Agency)</li> <li>CA NPDES – NPDES permits listing (California State Water Resources Control Board)</li> </ul>	

#### 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.



## 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.



## References

## 7.1 DOCUMENTS

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- Division of Oil, Gas, and Geothermal Resources (DOGGR). 2018. Well Finder. Accessed online at on April 3, 2018: http://www.conservation.ca.gov/dog/Pages/Wellfinder.aspx
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- California Department of Water Resources (DWR). 1966. Planned utilization of groundwater basins, San Gabriel Valley; Appendix A: Geohydrology. Bulletin 104-2. 203 pages., 23 plates.
- California Department of Water Resources (DWR), 2004. California's Groundwater, Bulletin 118 0 Update 2003. San Gabriel Groundwater Basin update February 27.
- Environmental Data Resources, Inc. (EDR) 2018. "The EDR Radius Map™ Report with GeoCheck<sup>®</sup>: Inquiry Number 5233268.2s." March 23, 2018.

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\_\_\_\_\_. 2018. "EDR Historical Topo Map Report, Inquiry Number: 5233268.4" March 23, 2018.

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Environmental Resources Management (ERM). 2006. Phase I Site Assessment, Final Report. October 2006.

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MWH Americas, Inc. 2012. Focused Soil Investigation and Storm Drain Inspection Report, 1700 Business Center Drive, Duarte, CA. October 23, 2012.

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.



## **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





# 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



























































































in a













































East - Cooling Tower area chemicals

## WEST C-405

## Hazard Statement

Harmful if swallowed. Causes severe skin burns and eye damage. May be corrosive to metals. Toxic to aquatic life.

## Precautionary Statement

Do not breath fume, gas, mist, vapors, or spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Do not eat, drink or smokene using this product. Wear protective gloves, protective clothing eye protection, and face protection. Wash contaminated clothing before insee Absorb spillage to prevent material damage. Avoid release to the synchroment. Store in a corrosive resistant container with a resistant inner

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or Dreson control center immediately.
- IF ON SKIN (or hair). Take off immediately all contaminated clothing. Rinse sun water/shower.
- F REMALED: Remove person to fresh air and keep comfortable for breathing. I not breathing, give artificial respiration. Get immediate medical attention. IN EYES, Rinse cautiously with water for several minutes. Remove contact several present and easy to do. Continue rinsing. Get medical attention. Desent and easy to use some of you feet unwell

  - 157 102926 24 Hr Emergency Response Chem-Tel (U.S.): (800) 255-3924

Net Weight: 49 lbs

Water & Energy Sys 13109 Arctic Circle Santa Fe Springs, CA 906/0

(562) 921-5191

TOXIC

6

UN3289, TOXIC LIQUID, CORROSIVE, INORGANIC, NOS
















































# 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<sup>™</sup> Report with GeoCheck®



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

FORM-LBB-LMI

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Physical Setting Source Map Findings	A-8
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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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### 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: Version Date:

2012 5619056 BALDWIN PARK, CA

5630601 AZUSA, CA

Version Date: 2012

#### AERIAL PHOTOGRAPHY IN THIS REPORT

South Map:

Portions of Photo from:	20140515
Source:	USDA

### 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 E	ELATIVE LEVATION	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	Г,	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
<b>A</b> 8	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	CAWIP	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 ANGELE	SHigher	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	CAWIP	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. HM	S 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. HM	S 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

Target Property Address: 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010

Click on Map ID to see full detail.

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MAP			DATABASE ACDONYMS	RELATIVE	DIST (ft. & mi.)
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 H	IISTLower	3653, 0.692, SW

### 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	N/A
	CA VCP Status: No Further Action Facility Id: 71002242	
	CA HIST UST Facility Id: 0000020927	
	CA NPDES	
WOODWARD HRT 1700 BUSINESS CENTER	RCRA-SQG EPA ID:: CAD008503112	CAD008503112
DUARTE, CA 91010	ICIS FRS ID:: 110000476556	
	FINDS Registry ID:: 110000476556	
	ECHO Registry ID: 110000476556	
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	N/A
	CA HIST UST CA FID UST Facility Id: 19000025 Status: A	
	CA HAZNET GEPAID: CAL000382267	
	CA NPDES Facility Status: Active	
	CA WDS	

	Facility Status: A Facility Id: 4 19l016617	
	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: 000682-100686 Facility ID: 000682-057940 Facility ID: 000682-020114 Facility ID: 008970-000686	N/A
	CA NPDES Facility Status: Terminated	
1700 BUSINESS CENTER	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

DUARTE, CA

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

### Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE\_\_\_\_\_ Superfund Enterprise Management System Archive

### Federal RCRA 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

### 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. PCB TRANSFORMER. RADINFO. HIST FTTS. DOT OPS. CONSENT. INDIAN RESERV. FUSRAP. UMTRA. LEAD SMELTERS. US MINES. ABANDONED MINES. UXO. DOCKET HWC. FUELS PROGRAM. CA BOND EXP. PLAN. CA Cortese. CA CUPA Listings. CA DRYCLEANERS. CA ENF. CA Financial Assurance. CA ICE. CA HWP. CA HWT. CA MINES. CA MWMP. CA PEST LIC. CA NOTIF 65. CA UIC.	Coal Combustion Residues Surface Impoundments List PCB Transformer Registration Database Radiation Information Database FIFRA/TSCA Tracking System Administrative Case Listing Incident and Accident Data Superfund (CERCLA) Consent Decrees Indian Reservations Formerly Utilized Sites Remedial Action Program Uranium Mill Tailings Sites Lead Smelter Sites Mines Master Index File Abandoned Mines Unexploded Ordnance Sites Hazardous Waste Compliance Docket Listing EPA Fuels Program Registered Listing Bond Expenditure Plan "Cortese" Hazardous Waste & Substances Sites List CUPA Resources List Cleaner Facilities Enforcement Action Listing Financial Assurance Information Listing ICE EnviroStor Permitted Facilities Listing Registered Hazardous Waste Transporter Database Mines Site Location Listing Medical Waste Management Program Listing Pesticide Regulation Licenses Listing Certified Processors Database Proposition 65 Records UIC Listing
CA UIC CA WASTEWATER PITS	UIC Listing 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**

#### 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: 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
<b>TDH PRECIOUS METAL R</b> 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	1713 HUNTINGTON DR E	N 1/4 - 1/2 (0.393 mi.)	36	140
Database: LUST REG 4, Date of Go	vernment Version: 09/07/2004	. ,		
Database: LUST, Date of Governme	nt Version: 03/12/2018			
Status: Completed - Case Closed				
Facility Id: R-06089				

Global Id: T0603704718 Global ID: T0603704718 Status: Case Closed				
<i>CITY OF DUARTE</i> Database: LUST REG 4, Date of Go Database: LUST, Date of Governme Status: Completed - Case Closed Facility Id: I-14948 Global Id: T0603704232 Global ID: T0603704232 Status: Case Closed	1427 BUENA VISTA ST vernment Version: 09/07/2004 nt Version: 03/12/2018	WNW 1/4 - 1/2 (0.432 mi.)	38	144
JOHN'S FOREIGN CAR R Database: LUST, Date of Governme Status: Open - Inactive Global Id: T0603706372	<b>1405 HUNTINGTON DR</b> nt Version: 03/12/2018	NW 1/4 - 1/2 (0.487 mi.)	39	147
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104 Database: LUST REG 4, Date of Go Database: LUST, Date of Governme Status: Completed - Case Closed Facility Id: I-10657 Global Id: T0603703645 Global ID: T0603703645 Status: Case Closed	1815 BUENA VISTA ST vernment Version: 09/07/2004 nt Version: 03/12/2018	WSW 1/4 - 1/2 (0.406 mi.)	37	142

### 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 Governmen	t 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.	AND AVE. ESE 0 - 1/8 (0.080 mi.)			
MAJESTIC PARTY SALES MAJESTIC PARTY SALES Facility Id: 00000041132	1857 BUSINESS CTR DR 1857 BUSINESS CENTER	E 1/8 - 1/4 (0.170 mi.) E 1/8 - 1/4 (0.170 mi.)	F26 F27	129 130	
FEDERICOS BAKERY FEDERICO'S BAKERY Facility Id: 00000046910	1860 EVERGREEN DR 1860 EVERGREEN ST	ENE 1/8 - 1/4 (0.205 mi.) ENE 1/8 - 1/4 (0.205 mi.)	G30 G31	134 135	
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	
<b>CITY OF HOPE MEDICAL</b> 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	D 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 ld: 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 ld: 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	1500 E DUARTE RD	WSW 1/8 - 1/4 (0.224 mi.)	33	136	
EPA ID: CAD066698408					

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 38	
GOLDEN STATE HYDRAUL	1718 HIGHLAND AVE UN	E 0 - 1/8 (0.022 mi.)	C14		
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	

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

WEST VALLEY BASE - SECURITY PAVING

Database(s)

CA SWF/LF

### **OVERVIEW MAP - 5233268.2S**



CLIENT: Catlayst Environ CONTACT: Justin Campbell SITE NAME: Duarte Phase I ESA Catlayst Environmnetal Solutions ADDRESS: 1700 Business Center Drive INQUIRY #: 5233268.2s Duarte CA 91010 LAT/LONG: 34.133681 / 117.968927 DATE: March 23, 2018 6:20 pm

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**DETAIL MAP - 5233268.2S** 



Duarte CA 91010

34.133681 / 117.968927

LAT/LONG:

DATE: March 23, 2018 6:21 pm Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

INQUIRY #: 5233268.2s

# **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 ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	CTS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COF	RRACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	ors list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250	1	1 7 1	0 3 0	NR NR NR	NR NR NR	NR NR NR	1 11 1
Federal institutional con engineering controls re	ntrols / gistries							
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiv	alent NPL							
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiv	alent CERCLIS	5						
CA ENVIROSTOR	1.000	1	0	0	0	3	NR	4
State and tribal landfill a solid waste disposal sit	and/or te lists							
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	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 CA SLIC	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere	ed storage tai	nk lists						
FEMA UST CA UST CA AST INDIAN UST	0.250 0.250 0.250 0.250	2	0 1 1 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 1 3 0
State and tribal voluntar	y cleanup sit	es						
CA VCP INDIAN VCP	0.500 0.500	1	0 0	0 0	0 0	NR NR	NR NR	1 0
State and tribal Brownfi	elds sites							
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
CA WMUDS/SWAT CA SWRCY CA HAULERS INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0 0	0 0 NR 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
CA AOCONCERN US HIST CDL CA HIST Cal-Sites CA SCH CA CDL CA Toxic Pits US CDL	1.000 0.001 1.000 0.250 0.001 1.000 0.001		0 0 0 0 0 0	0 NR 0 NR 0 NR	0 NR 0 NR 0 NR	0 NR 0 NR 0 NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registere	d Storage Tai	nks						
CA SWEEPS UST CA HIST UST CA FID UST	0.250 0.250 0.250	1 2 1	2 3 2	2 4 0	NR NR NR	NR NR NR	NR NR NR	5 9 3
Local Land Records								
CA LIENS LIENS 2 CA DEED	0.001 0.001 0.500		0 0 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 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 F	Release Repo	orts						
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CALDS	0.001		0	NR	NR	NR	NR	0
CAMCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Rec	ords							
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
FIIS	0.001		0	NR	NR	NR	NR	0
MLIS	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
	0.001		0	NR	NR	NR		0
	0.001		0			NR		0
	0.001		0					0
DUTUPS	0.001		0			NR		0
	1.000		0					0
	1 000		0					0
	0.500		0	0	0		NR	0
LEAD SMELTERS	0.000		0	NR		NR	NR	0
	0.001		0	NR	NR	NR	NR	0
LIS MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		Ő	NR	NR	NR	NR	õ
FINDS	0.001	1	0	NR	NR	NR	NR	1
	1 000		Õ	0	0	0	NR	Ö
DOCKET HWC	0.001		Ő	NR	NR	NR	NR	õ
FCHO	0.001	1	Õ	NR	NR	NR	NR	1
FUELS PROGRAM	0.250	•	õ	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		õ	õ	0	0	NR	õ
CA Cortese	0.500		õ	õ	õ	NR	NR	õ
CA CUPA Listings	0.250		õ	õ	NR	NR	NR	õ
CA DRYCLEANERS	0.250		õ	õ	NR	NR	NR	õ
CA EMI	0.001	1	Õ	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. H	MS0.001	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
CANPDES	0.001	4	0	NR	NR	NR	NR	4
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CAPROC	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
	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CAWDS	0.001	1	0	NR	NR	NR	NR	1
CAWIP	0.250	1	2	2	NR	NR	NR	5
EDR HIGH RISK HISTORICA	L 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 GOVERN	MENT ARCHIV	VES						
Exclusive Recovered Go	vt. Archives							
CA RGA LF	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		Ő	NR	NR	NR	NR	Ő
- 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

Database(s)

A1 Target Property	FORMER GE AVIATION SYS 1700 BUSINESS CENTER D DUARTE, CA 91010	TEMS IVE	CA ENVIROSTOR CA VCP CA HIST UST CA NPDES	U001566475 N/A
	Site 1 of 9 in cluster A			
Actual: 486 ft.	ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch:	71002242 No Further Action 08/07/2014 301656 Voluntary Cleanup Voluntary Cleanup 9 NO NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED Narine Aghakiant Allan Plaza Cleanup Chatsworth		
	Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude:	48 25 Voluntary Cleanup Program NO NONE SPECIFIED Responsible Party 34.13368		
	Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type:	14. 13368 -117.9689 NONE SPECIFIED MANUFACTURING - INDUSTRIAL M/ TPH-diesel TPH-MOTOR OIL Tributyl Tributyl phosphate TPH-diesel TPH-M SOIL DOWTY AEROSPACE LOS ANG Alternate Name CAD008503112 EPA Identification Number 11000476556 EPA (FRS #) 301656 Project Code (Site Code) Not reported Project Code (Site Code) 71002242 Envirostor ID Number	ACHINERY phosphate OTOR OIL }ELES	
	Completed Info: Completed Area Name: Completed Sub Area Na Completed Document T Completed Date: Comments:	PROJECT WIDE me: Not reported pe: Preliminary Endangerment Asses 07/17/2014 DTSC agrees with the Report req determination	ssment Report juest for No Further Action (NFA)	
	Completed Area Name: Completed Sub Area Na Completed Document T Completed Date: Comments:	PROJECT WIDE ne: Not reported pe: No Further Action Letter 07/17/2014 Not reported		

Database(s)

EDR ID Number EPA ID Number

### FORMER GE AVIATION SYSTEMS (Continued)

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: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported
VCP.	
Facility ID:	71002242
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Momt. Reg.:	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
Supervision:	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 Lise:	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: Alias Name: Alias Type: Alias Name:	110000476556 EPA (FRS #) 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:

### U001566475

EDR ID Number Database(s) EPA ID Number

### FORMER GE AVIATION SYSTEMS (Continued)

### U001566475

Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Preliminary Endangerment Assessment Report 07/17/2014 DTSC agrees with the Report request for No Further Action (NFA) determination
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported No Further Action Letter 07/17/2014 Not reported
Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Comments:	PROJECT WIDE Not reported Voluntary Cleanup Agreement 04/29/2014 Not reported
Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported
HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks:	Not reported Not reported STATE 00000020927 Not reported MACHINE SHOP Not reported 8183599211 HYDRAULIC UNITS, INC. 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010 0002
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thick Leak Detection:	001 #1 1964 00004060 WASTE Not reported None
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for:	002 #2 1962 00002011 WASTE

NPDES:

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

### FORMER GE AVIATION SYSTEMS (Continued)

Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

### Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City: Discharge State:** Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP: OPERATOR CONTACT NAME:** OPERATOR CONTACT TITLE: OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL: OPERATOR TYPE:** DEVELOPER NAME: DEVELOPER ADDRESS: **DEVELOPER CITY: DEVELOPER STATE:** DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND:

Not reported Not reported Not reported 4 343304 Not reported Industrial Not reported 4 191021513 Not reported Not reported Not reported Not reported 02/25/2013 Not reported Not reported Not reported Not reported Not reported 05/09/2008 04/02/2008 Terminated 03/27/2013 7.5 Acres Lisa Saylor Not reported 626-359-9211 Not reported lisa.saylor@GE.com **GE** Aviation Systems LLC Not reported **Private Individual** Not reported Not reported Not reported California Not reported Not reported Not reported Not reported Not reported Not reported Not reported

MAP FINDINGS

Not reported

Database(s)

EDR ID Number **EPA ID Number** 

CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: **DIR DISCHARGE USWATER IND:** RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** 

Not reported γ Unnamed tributary to Pacific Ocean Not reported Not reported Not reported 3728-Aircraft Parts and Auxiliary Equipment, NEC Not reported Not reported

A2 Target Property	WOODWARD HRT 1700 BUSINESS CENTER DR DUARTE, CA 91010	RCRA-SC IC FINI ECF	QG CIS DS HO	1000385001 CAD008503112
	Site 2 of 9 in cluster A			
Actual:	RCRA-SQG:	00/07/00/0		
400 11.	Date form received by agend	cy: 02/07/2013		
	Facility name:			
	Facility address:	1/00 BUSINESS CENTER DR		
		CAD009502112		
	EFAID. Mailing address:			
	Maining address.			
	Contact			
	Contact address:	1700 BUSINESS CENTER DRIVE		
	Contact address.			
	Contact country:	US		
	Contact telephone:	626-249-0753		
	Contact email:	LONNIE OLSEN@GE COM		
	EPA Region	09		
	L and type:	Private		
	Classification:	Small Small Quantity Generator		
	Description:	Handler: generates more than 100 and less than 1000 kg of hazardou	IS	
		waste during any calendar month and accumulates less than 6000 kg	of	
		hazardous waste at any time: or generates 100 kg or less of hazardou	JS	
		waste during any calendar month, and accumulates more than 1000 k	ka of	
		hazardous waste at any time	0	
	Owner/Operator Summer "			
	Owner/operator address:	Not reported		
	owner/operator address.	Not reported		
		Not reported		

Database(s)

EDR ID Number EPA ID Number

### WOODWARD HRT (Continued)

Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator attes: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	US Not reported Not reported Not reported Private Operator 12/29/2012 Not reported
Owner/operator name: Owner/operator address:	WOODWARD INC 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 Net reported
Owner/Op end date.	Not reported
Handler Activities Summary:	ata: Na
Mixed waste (baz, and radioar	ste. No
Recycler of hazardous waste:	No
Transporter of hazardous waste.	te <sup>·</sup> No
Treater storer or disposer of H	IW <sup>·</sup> 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 burne	er: No
Used oil Specification markete	r: No
Used oil transfer facility:	No
Used oil transporter:	No
Wests and a	122
Waste name:	Alkaline solution without metals (nH > 12.5)
. Waste name.	Aikaine solution without metals (prix 12.5)
Waste code:	135
. Waste name:	Unspecified aqueous solution
. Waste code:	181
. Waste name:	Other inorganic solid waste
. Waste code:	212
. vvaste name:	Oxygenated solvents (acelone, butanol, ethyl acetate, etc.)
Waste code	223
. Waste name:	Unspecified oil-containing waste
. Waste code:	331
. Waste name:	Off-specification, aged, or surplus organics

### 1000385001

Database(s)

WOODWARD HRT (Continued)	1000385001
. Waste code:	343
. Waste name:	Unspecified organic liquid mixture
Wests adds:	250
Waste name:	012 Other organic solids
. Waste hame.	
. Waste code:	791
. Waste name:	Liquids with pH < 2
. Waste code:	792
. Waste name:	Liquids with pH < 2 with metals
	D00/
. Waste code:	
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
Waste code:	D007
Waste name:	
. Waste name.	
. Waste code:	D008
. Waste name:	LEAD
Waste code:	D035
Waste name	METHYL ETHYL KETONE
. Waste hame.	
. 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.
Wasto codo:	E005
. 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 Concretera:	
Date form received by agenc	y:02/27/2012
Site name:	GE AVIATION SYTEMS, LLC
Classification:	Large Quantity Generator
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002

Database(s)

WOODWARD HRT (Continued)	1000385001
. Waste name:	CORROSIVE WASTE
. Waste code: . Waste name:	D007 CHROMIUM
. Waste code: . Waste name:	D008 LEAD
. Waste code: . Waste name:	F003 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 agenc	y: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:	
. 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 agence	v: 02/27/2004
Site name:	SMITHS AEROSPACE ACTUATION SYSTEMS - LA
Classification:	Large Quantity Generator
. Waste code:	D001
. Waste name:	IGNITABLE WASTE

Database(s) E

WOODWARD HRT (Continued)		1000385001
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ( ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RE	E, METHYL ETHYL MIXTURES/BLENDS (BY VOLUME) OF THOSE SOLVENTS ECOVERY OF
	THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
Date form received by agency Site name: Classification:	r: 02/27/2004 SMITHS AEROSPACE ACTUATION SYSTEMS - LA Small Quantity Generator	
Date form received by agency	r: 07/10/2001	
Site name: Classification:	SMITHS AEROSPACE ACTUATION Small Quantity Generator	
. Waste code: . Waste name:	D001 IGNITABLE WASTE	
. Waste code: . Waste name:	D002 CORROSIVE WASTE	
Date form received by agency Site name: Classification:	r:09/01/1996 SMITHS AEROSPACE ACTUATION Large Quantity Generator	
Date form received by agency Site name: Classification:	r: 03/25/1996 DOWTY AEROSPACE LOS ANGELES Large Quantity Generator	
Date form received by agency Site name: Classification:	: 03/15/1994 DOWTY AEROSPACE LA Large Quantity Generator	
Date form received by agency Site name: Classification:	r: 02/25/1992 DOWTY AEROSPACE LOS ANGELES Large Quantity Generator	
Date form received by agency Site name:	C04/16/1990 DOUNTY AEROSPACE/RONSON HYDRAULIC UNITS	
Date form received by agency	c 06/30/1980	
Site name: Classification:	SMITHS AEROSPACE ACTUATION Large Quantity Generator	
Violation Status:	No violations found	
Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	02/23/1993 COMPLIANCE EVALUATION INSPECTION ON-SITE Not reported Not reported State Contractor/Grantee	
ICIS:		

Database(s)

EDR ID Number EPA ID Number

### WOODWARD HRT (Continued)

Enforcement Action ID: FRS ID:	HQ-2010-8007 110000476556
Action Name:	
	WOODWARD HRI-DUARTE
Facility Address:	DUADTE CA 01010 2950
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

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

ECHO: Envid: Registry ID:

1000385001 110000476556 1000385001

Map ID Direction	M	IAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	WOODWARD HRT (Continued) DFR URL: http://	/echo.epa.gov/detailed-facility-report	?fid=110000476556	1000385001
A3 Target Property	HYDRAULIC UNITS INC 1700 BUSINESS CTR DR DUARTE, CA 91010		CA EMI	S106832867 N/A
	Site 3 of 9 in cluster A			
Actual: 486 ft.	EMI: Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Y	1990 19 SC 44777 SC 3492 SOUTH COAST AQMD Not reported Not reported 0 0 0 0 0		

# A4DOWTY AEROSPACE LOS ANGELESTarget1700 BUSINESS CENTER DRPropertyDUARTE, CA 91010

### Site 4 of 9 in cluster A

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
Tons:	16 856
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported
envid:	S112999527
Year:	2013
GEPAID:	CAD008503112
Contact:	LONNIE OLSEN
	HAZNET: envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County: envid: Year: GEPAID: Contact:

CA HAZNET S112999527

N/A

CA NPDES

Database(s)

EDR ID Number EPA ID Number

S112999527

#### DOWTY AEROSPACE LOS ANGELES (Continued)

Telephone: 6262490753 Mailing Name: Not reported 1700 BUSINESS CENTER DR Mailing Address: DUARTE, CA 910102859 Mailing City, St, Zip: Gen County: Los Angeles TSD EPA ID: CAT080013352 TSD County: Los Angeles Waste Category: Not reported Other Recovery Of Reclamation For Reuse Including Acid Regeneration, **Disposal Method: Organics Recovery Ect** 14.595 Tons: Not reported Cat Decode: Method Decode: Not reported Facility County: Not reported envid: S112999527 2013 Year: CAD008503112 GEPAID: Contact: LONNIE OLSEN Telephone: 6262490753 Mailing Name: Not reported Mailing Address: 1700 BUSINESS CENTER DR DUARTE, CA 910102859 Mailing City, St, Zip: 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 Not reported Cat Decode: Method Decode: Not reported Facility County: Not reported S112999527 envid: 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 CAD059494310 TSD EPA ID: Santa Clara TSD County: Waste Category: Not reported **Disposal Method:** Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) Tons: 0.018 Not reported Cat Decode: Method Decode: Not reported Facility County: Los Angeles envid: S112999527 Year: 2012 GEPAID: CAD008503112 Contact: LONNIE OLSEN/EHS MANAGER

Site

Map ID

Direction

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

### S112999527

### DOWTY AEROSPACE LOS ANGELES (Continued)

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 SiteNo Treatment/Reovery
	(H010-H129) Or (H131-H135)
Tons:	0.018
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

<u>Click this hyperlink</u> while viewing on your computer to access 1230 additional CA\_HAZNET: record(s) in the EDR Site Report.

### NPDES:

Npdes Number:
Facility Status:
Agency Id:
Region:
Regulatory Measure Id:
Order No:
Regulatory Measure Type:
Place Id:
WDID:
Program Type:
Adoption Date Of Regulatory Measure:
Effective Date Of Regulatory Measure:
Expiration Date Of Regulatory Measure:
Termination Date Of Regulatory Measure:
Discharge Name:
Discharge Address:
Discharge City:
Discharge State:
Discharge Zip:
RECEIVED DATE:
PROCESSED DATE:
STATUS CODE NAME:
STATUS DATE:
PLACE SIZE:
PLACE SIZE UNIT:
FACILITY CONTACT NAME:
FACILITY CONTACT TITLE:
FACILITY CONTACT PHONE:
FACILITY CONTACT PHONE EXT:
FACILITY CONTACT EMAIL:
OPERATOR NAME:
OPERATOR ADDRESS:
OPERATOR CITY:
OPERATOR STATE:
OPERATOR ZIP:
OPERATOR CONTACT NAME:
OPERATOR CONTACT TITLE:
OPERATOR CONTACT PHONE:

Not reported Not reported Not reported 4 448990 Not reported Construction Not reported 4 19C370738 Not reported Not reported Not reported Not reported 01/13/2015 Not reported Not reported Not reported Not reported Not reported 08/22/2014 09/03/2014 Terminated 06/17/2015 5 Acres Lori Hansen Not reported 760-586-5474 Not reported lhansen@bergmankprs.com Woodward HRT 1700 Business Center Drive Duarte California 91010 Emma Kasmanian **EHS Manager** 626-305-7979

Α5

Target

Property

Actual:

486 ft.

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

### DOWTY AEROSPACE LOS ANGELES (Continued)

OPERATOR CONTACT PHONE EXT: OPERATOR CONTACT EMAIL: OPERATOR TYPE: DEVELOPER NAME: DEVELOPER ADDRESS: **DEVELOPER CITY:** DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: TERTIARY SIC:

Not reported Emma.Kasmanian@woodward.com Private Business Bergman KPRS Construction 2850 Saturn Street Suite 100 Brea California 92821 Lori Hansen Not reported Ν Not reported Not reported Ν Ν Ν Ν Ν Ν Ν Ν Not reported Ν Ν Y Ν Not reported Ν Ν Ν Not reported Kerry Keller Manager Global EHS 22-AUG-14 Not reported Not reported Not reported

### S112999527

CA SWEEPS UST 1000353954 CA HIST UST N/A CA FID UST **CA HAZNET** CA NPDES CA WDS CA WIP

SMITHS AEROSPACE ACTUATION 1700 BUSINESS CENTER DR DUARTE, CA 91010			
Site 5 of 9 in cluster A			
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		

Not reported

Not reported

Not reported

SWRCB Tank Id:

Tank Status:

Capacity:

Database(s)

EDR ID Number EPA ID Number

1000353954

### SMITHS AEROSPACE ACTUATION (Continued)

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:	818000000
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

envid: 1000353954 Year: 2016 GEPAID: CAL000382267 Contact: DANIEL A. SAL

Database(s)

EDR ID Number EPA ID Number

### SMITHS AEROSPACE ACTUATION (Continued)

Mailing Name: Not reported 25200 W RYE CANYON RD Mailing Address: 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 Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.) Cat Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery Method Decode: (H010-H129) Or (H131-H135) Facility County: Los Angeles envid: 1000353954 2016 Year: 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) 0.192 Tons: 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 1000353954 envid: 2016 Year: GEPAID: CAL000382267 Contact: DANIEL A. SALDANA Telephone: 6617025783 Not reported Mailing Name: 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) 142.592 Tons: 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 1000353954 envid: 2016 Year:

### 1000353954

Database(s)

EDR ID Number EPA ID Number

### 1000353954

### SMITHS AEROSPACE ACTUATION (Continued)

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 SiteNo 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 SiteNo 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 SiteNo Treatment/Reovery
	(H010-H129) Or (H131-H135)
Tons:	1.4485
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off SiteNo Treatment/Reovery
	(H010-H129) Or (H131-H135)
Facility County:	Los Angeles

<u>Click this hyperlink</u> 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 191024098
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

Database(s)

EDR ID Number EPA ID Number

### SMITHS AEROSPACE ACTUATION (Continued)

**Discharge Address: Discharge City:** Discharge State: Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS:** OPERATOR CITY: **OPERATOR STATE:** OPERATOR ZIP: OPERATOR CONTACT NAME: **OPERATOR CONTACT TITLE: OPERATOR CONTACT PHONE:** OPERATOR CONTACT PHONE EXT: OPERATOR CONTACT EMAIL: **OPERATOR TYPE:** DEVELOPER NAME: **DEVELOPER ADDRESS: DEVELOPER CITY:** DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE:

1000 East Drake Road Fort Collins Colorado 80522 Not reported Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

1000353954

### SMITHS AEROSPACE ACTUATION (Continued)

PRIMARY SIC: SECONDARY SIC: TERTIARY SIC: Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: **Discharge Address:** Discharge City: Discharge State: Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: **OPERATOR NAME: OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE:** OPERATOR ZIP: OPERATOR CONTACT NAME: OPERATOR CONTACT TITLE: **OPERATOR CONTACT PHONE:** OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL: OPERATOR TYPE: DEVELOPER NAME:** DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: **DEVELOPER ZIP:** DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND:

Not reported Not reported Not reported Not reported Not reported Δ 435225 Not reported Industrial Not reported 4 191024098 Not reported 02/22/2013 02/22/2013 Active 01/26/2016 7.5 Acres Emma Kasmanian EHS Site Leader 626-305-7979 Not reported Emma.Kasmanian@woodward.com Woodward Inc 1000 East Drake Road Fort Collins Colorado 80522 Emma Kasmanian EHS Site Leader 970-482-5811 Not reported Emma.Kasmanian@woodward.com **Private Business** Not reported Not reported Not reported California Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

# SMITHS AEROSPACE ACTUATION (Continued)

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 I	ND:	Not reported		
CONSTYPE RESIDENT	TAL IND:	Not reported		
CONSTYPE TRANSPO	RT IND:	Not reported		
CONSTYPE UTILITY D	ESCRIPTION:	Not reported		
CONSTYPE UTILITY IN	ID:	Not reported		
CONSTYPE WATER SE	EWER IND:	Not reported		
DIR DISCHARGE USW	ATER IND:	N		
RECEIVING WATER N	AME:	san gabriel river		
CERTIFIER NAME:		Emma Kasmanian		
		FHS 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.				
Eacility ID:	1 101016617			
Facility Type:	Industrial - Facility the	at treats and/or disposes of liquid or		
r aciiity rype.	nonicolid westes from	a treats and/or disposes or inquid or		
	seriisoliu wastes iroi	of whatever pature, including mining, grovel		
	weeking geethermel	on whatever hature, including himming, graver		
	washing, geotherman	operations, all conditioning, ship building and		
	repairing, on producu	on, storage and disposal operations, water		
Essility Otation	pumping.	ith a continuous on concernal dischanne that is		
Facility Status:	Active - Any facility w	ith a continuous or seasonal discharge that is		
	under waste Dischar	ge Requirements.		
NPDES Number:	CASUUUUUI Ine ist	2 characters designate the state. The remaining 7		
Out an article	are assigned by the r	Regional Board		
	4			
Facility Telephone:	6263599211			
Facility Contact:				
Agency Name:	SMITHS AEROSPAC	E ACTUATION		
Agency Address:	1700 Business Cente	er 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			

Map ID Direction Distance Elevation	Site		MAP	FINDINGS		Database(s)	EDR ID Number EPA ID Number
	SMITHS AEROSPAC	E ACTUATION	(Continued)				1000353954
	Treat To Water: Complexity:	Minor 1 should to a ma conside Level. / represe Catego cooling manag dispose dischar dairy w	hreat to Water Qu cause a relatively jor or minor threat red a minor threat A Zero (0) may be int no threat to wa ry C - Facilities ha water dischargers ement practices, fi al systems, such a gers having waste aste ponds.	uality. A violation of minor impairmen t. Not: All nurds w t to water quality used to code tho ther quality. aving no waste tree s or thosewho mu acilities with pass is septic systems e storage systems	of a regional board t of beneficial use ithout a TTWQ wi unless coded at a se NURDS that a atment systems, s at comply through ve waste treatme with subsurface d with land dispose	d order s compared ll be higher re found to such as best int and lisposal, or al such as	
	WIP: Region: File Number: <b>File Status:</b> Staff: Facility Suite:	4 106.2045 <b>Not reported</b> DRASMUSS Not reported					
A6 Target Property	SMITHS AEROSPAC 1700 BUSINESS CEN DUARTE, CA 91010	E ACTUATION TER DR	SYS		CA LOS AN	IGELES CO. HMS	S108240050 N/A
	Site 6 of 9 in cluster	4					
Actual: 486 ft.	LOS ANGELES CC Region: Permit Category Facility Id:	. HMS: LA S 000682-0474	99				

A7	SMITHS AEROSPACE ACTUATION SYS
Target	1700 BUSINESS CENTER DR

### Property DUARTE, CA 91010

### Site 7 of 9 in cluster A

Facility Type:

Area:

Facility Status:

Permit Number:

Permit Status:

S6

3R

Closed

Closed

CGI016617

Actual: LOS ANGELES CO. HMS: 486 ft. Region: LA Permit Category: Not reported Facility Id: 000682-036535 Facility Type: Not reported Facility Status: OPEN Area: 3R Not reported Permit Number: Permit Status: Not reported Region: LA Permit Category: I Facility Id: 000682-051399 Facility Type: 01

CA LOS ANGELES CO. HMS S105193546 N/A

Database(s)

EDR ID Number EPA ID Number

### SMITHS AEROSPACE ACTUATION SYS (Continued)

Facility Status:ClosedArea:3RPermit Number:000J20245Permit Status:Closed

Region:LAPermit Category:IFacility Id:000682-051399Facility Type:01Facility Status:ClosedArea:3RPermit Number:000J20244Permit 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) Target 1700 BUSINESS CENTER DR

### Property DUARTE, CA 91010

### Site 8 of 9 in cluster A

Actual: 486 ft.

A	ST:	
	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

### CA AST S105034012 CA LOS ANGELES CO. HMS N/A CA NPDES

S105193546

TC5233268.2s Page 29

Database(s)

EDR ID Number EPA ID Number

### HYDRAULIC UNITS INC (CLOSED) (Continued)

LOS ANGELES CO. HMS: Region: LA Permit Category: I Facility Id: 000682-100686 Facility Type: 01 Facility Status: Permit Area: 3R Permit Number: 000009538 Permit Status: Suspended Region: LA Permit Category: I Facility Id: 000682-100686 Facility Type: 01 Facility Status: Permit 3R Area: Permit Number: 000009539 Permit Status: Closed LA Region: Permit Category: I Facility Id: 000682-057940 Facility Type: 01 Facility Status: Permit Area: 3R 000021237 Permit Number: Permit Status: Permit Region: LA Permit Category: Not reported Facility Id: 000682-020114 Facility Type: Not reported Facility Status: OPEN 3R Area: 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 00000752T Permit Number: Permit Status: Removed NPDES: Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id:

WDID:

Not reported Not reported 4 445455 Not reported Construction Not reported 4 19C369583

### S105034012

Database(s)

EDR ID Number EPA ID Number

### HYDRAULIC UNITS INC (CLOSED) (Continued)

Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: **Discharge Name:** Discharge Address: **Discharge City:** Discharge State: Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE:** OPERATOR ZIP: **OPERATOR CONTACT NAME: OPERATOR CONTACT TITLE:** OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: OPERATOR CONTACT EMAIL: OPERATOR TYPE: DEVELOPER NAME: DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: **DEVELOPER ZIP:** DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND:

Not reported Not reported Not reported Not reported 05/02/2017 Not reported Not reported Not reported Not reported Not reported 04/29/2014 04/30/2014 Terminated 06/05/2017 7.6 Acres Tom Witek Not reported 909-212-5211 Not reported Chris.Bratty@rasmithnational.com BergmanKPRS LLC Suite 100 Brea California 92821 Tom Witek Project Manager 909-212-5211 Not reported Chris.Bratty@rasmithnational.com **Private Business** Bergman KPRS 2121 South Haven Avenue Suite 100 Ontario California 91761 Tom Witek Not reported N Not reported Not reported Ν Ν Ν Ν Y Ν Ν Ν Not reported Ν Ν Ν Ν Not reported Ν

### S105034012

Database(s) E

EDR ID Number EPA ID Number

### HYDRAULIC UNITS INC (CLOSED) (Continued)

CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: TERTIARY SIC:

Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City: Discharge State:** Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: **OPERATOR NAME: OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE:** OPERATOR ZIP: **OPERATOR CONTACT NAME:** OPERATOR CONTACT TITLE: OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: OPERATOR CONTACT EMAIL: **OPERATOR TYPE:** DEVELOPER NAME: DEVELOPER ADDRESS: DEVELOPER CITY: **DEVELOPER STATE: DEVELOPER ZIP:** DEVELOPER CONTACT NAME:

Ν Ν Not reported Rolf Tillmann **Project Manager** 28-APR-17 Not reported Not reported Not reported CAS000002 Terminated 0 4 445455 2009-0009-DWQ Enrollee Not reported 4 19C369583 Construction Not reported 04/30/2014 Not reported 05/02/2017 BergmanKPRS LLC Suite 100 Brea California 92821 Not reported Not reported

### S105034012

Database(s)

EDR ID Number EPA ID Number

### HYDRAULIC UNITS INC (CLOSED) (Continued)

DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: **EMERGENCY PHONE NO:** EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** 

Not reported Not reported

### A9

# Target1700 BUSINESS CENTER DRPropertyDUARTE, CA

AST.

### Site 9 of 9 in cluster A

Actual: 486 ft.

AUT.	
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

# S105034012

CA AST A100344616 N/A Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

	(Continued)		A100344616
	Property Owner City: Property Owner Stat : Property Owner Zip Code: Property Owner Country:	Not reported Not reported Not reported	
	EPAID:	Not reported	
B10 SSE	HOLMES BODY SHOP INC 1801 HIGHLAND AVE DUARTE CA 91010	RCRA-SQG FINDS FCHO	1000298574 CAD097032882
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 agenc Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	y: 09/01/1996 HOLMES BODY SHOP INC 1801 HIGHLAND AVE DUARTE, CA 91010 CAD097032882 Not reported Not reported US Not reported US Not reported O9 Small Small Quantity Generator 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	f
		hazardous waste at any time	
	Owner/Operator Summary: Owner/operator name	HOLMES BODY SHOP INC	
	Owner/operator address:	NOT REQUIRED, ME 99999	
	Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name:	Not reported 415-555-1212 Not reported Not reported Private Owner Not reported Not reported Not REQUIRED	
	Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/Operator Type: Owner/Op start date:	NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Private Operator Not reported	

Database(s)

OLMES BODY SHOP	PINC (Continued	)	1000298574
Owner/Op end date: Not re		eported	
Handler Activities Su	immary:		
U.S. importer of h	azardous waste:	No	
Mixed waste (haz	. and radioactive):	No	
Recycler of hazar	dous waste:	No	
Transporter of ha	zardous waste:	No	
Treater, storer or	disposer of HW:	No	
Underground inje	ction activity:	No	
On-site burner ex	emption:	No	
Furnace exemption	on:	No	
Used oil fuel burn	er:	No	
Used oil processo	or:	No	
User oil refiner:		No	
Used oil fuel mark	keter to burner:	No	
Used oil Specifica	ation marketer:	No	
Used oil transfer f	acility:	No	
Used oil transport	er:	No	
Historical Generators Date form receive	s: ed by agency: 12/25	5/1985	
Site name:	HOLI	MES BODY SHOP INC	
Classification:	Large	e Quantity Generator	
Violation Status:	No vi	olations found	
FINDS:			
Registry ID:	1100	02665349	
Environmental Int	erest/Information S	System	
	RCRAInfo is a na	tional information system that supports the Resource	
	Conservation and	Recovery Act (RCRA) program through the tracking of	
	events and activit	ies related to facilities that generate, transport,	
	and treat, store, o	r dispose of hazardous waste. RCRAInfo allows RCRA	
	program staff to tr	ack the notification, permit, compliance, and	
	corrective action a	activities required under RCRA.	
Registry ID:	1100	11648618	
Environmental Int	erest/Information S	System	
	NCDB (National C	Compliance Data Base) supports implementation of the	
	Federal Insecticid	e, Fungicide, and Rodenticide Act (FIFRA) and the	
	Toxic Substances	Control Act (TSCA). The system tracks inspections in	
	regions and states	s with cooperative agreements, enforcement actions,	
	and settlements.		
	Click this hyperlin	k while viewing on your computer to access	
	additional FINDS:	detail in the EDR Site Report.	
ECHO.			
Eono. Envid		1000208574	
ETIVIU.		1000230074	
Registry ID:		110002665349	
Registry ID:		110002665349 http://echo.epa.gov/detailed_facility_report?fid=1100026653	349

Database(s)

EDR ID Number **EPA ID Number** 

### HOLMES BODY SHOP INC (Continued)

LOS ANGELES CO. HMS: Region: LA Permit Category: I Facility Id: 006007-108964 Facility Type: 02 Facility Status: Closed 3R Area: Permit Number: 000010264 Permit Status: Closed

Region:	LA
Permit Category:	1
Facility Id:	006007-108973
Facility Type:	01
Facility Status:	Removed
Area:	3R
Permit Number:	000012125
Permit Status:	Removed

Region.	ΙΔ
rtegion.	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**

#### SSE **1801 HIGHLAND AVE**

#### < 1/8 **DUARTE, CA 91010**

0.012 mi. 63 ft.

### Site 2 of 4 in cluster B

HIST UST:

URL:

Region:

Facility ID:

Other Type:

Telephone:

Tank Num:

**Relative:** Lower

### Actual: 485 ft.

File Number: 00027D4B http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027D4B.pdf STATE 0000020936 Facility Type: Other MANUFACTURING Contact Name: WALTER H. BIELY 8183599271 Owner Name: PIONEER ELECTRONICS TECH. INC. Owner Address: 1801 HIGHLAND AVENUE DUARTE, CA 91010 Owner City, St, Zip: Total Tanks: 0003 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

CA HIST UST U001566483 N/A

TC5233268.2s Page 36

Database(s)

EDR ID Number EPA ID Number

## PIONEER ELECTRONICS INC (Continued)

T Is Nisses	000
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 SSE < 1/8 0.012 mi.	PIONEER ELECTRONICS TECH 1801 HIGHLAND AVE DUARTE, CA 91010 ni		CA CA LOS ANGE
63 ft.	Site 3 of 4 in cluster B		
Relative: Lower Actual: 485 ft.	SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Not reported 6221 Not reported Not reported Not reported Not reported Not reported 19-000-006221-000001 Not reported 763 Not reported EMPTY PRODUCT Not reported 1	
	LOS ANGELES CO. HMS Region: LA Permit Category: T Facility Id: 0060 Facility Type: 0 Facility Status: Rema Area: 3R Permit Number: 0000 Permit Status: Rema Region: LA Permit Category: I Facility Id: 0060	: 07-006221 oved 0134T oved 07-I06221	

CA SWEEPS UST S105034013 A LOS ANGELES CO. HMS N/A

Database(s)

		CS TECH (Continued)		S105034013
	Facility Type: (	20		
	Facility Status: (			
	Area	3B		
	Permit Number (	00008565		
	Permit Status:	Closed		
B13 SSE < 1/8 0.012 mi.	(FORMERLY) PIONEER 1801 S HIGHLAND AVE DUARTE, CA 91010		CA FID UST	S101582711 N/A
63 ft.	Site 4 of 4 in cluster B			
Relative:	CA FID UST:			
Lower	Facility ID:	19001157		
Actual:	Regulated By:	UTNKI		
485 ft.	Regulated ID:	00020936		
	Cortese Code:	Not reported		
	SIC Code:	Not reported		
	Facility Phone.	o louuuuuuu Net reported		
	Mailing Address:			
	Mailing Address 2	Not reported		
	Mailing City St Zin:	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 HYDR	AULICS	RCRA-SQG	1000820056
East	1718 HIGHLAND AVE U	JNIT A	FINDS	CAD983660770
< 1/8 0.022 mi	DUARTE, CA 91010			
115 ft.	Site 1 of 2 in cluster C			
Relative:	RCRA-SQG:			
Higher	Date form received	by agency:02/25/1993		
Actual:	Facility name:	GOLDEN STATE HYDRAULICS		
494 ft.	Facility address:	1718 HIGHLAND AVE UNIT A DUARTE, CA 91010		
	FPA ID <sup>.</sup>	CAD983660770		
	Mailing address:	HIGHLAND AVE UNIT A		
	0	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	j of hazardous	
		waste during any calendar month and accumulates less	nan 6000 kg of	
		nazardous waste at any time; or generates 100 kg or les	s of nazardous	

EDR ID Number Database(s) EPA ID Number

#### **GOLDEN STATE HYDRAULICS (Continued)**

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 wa	aste: No
Mixed waste (haz. and radioad	ctive): No
Recycler of hazardous waste:	No
Transporter of hazardous was	te: No
Treater, storer or disposer of H	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 burne	er: No
Used oil Specification markete	er: 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.

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

ECHO: Envid:

Registry ID: DFR URL: 1000820056 110009550798 http://echo.epa.gov/detailed-facility-report?fid=110009550798

#### 1000820056

Database(s)

EDR ID Number EPA ID Number

#### **GOLDEN STATE HYDRAULICS (Continued)** 1000820056 WIP: Region: 4 106.2048 File Number: File Status: Not reported Staff: UNIDENTIFIED Facility Suite: Not reported C15 HOLMES BODY SHOP DUARTE INC RCRA-SQG 1000685944 CAD983629106 East **1718 HIGHLAND AVE** FINDS DUARTE, CA 91010 **ECHO** < 1/8 0.022 mi. CA LOS ANGELES CO. HMS 115 ft. Site 2 of 2 in cluster C **Relative:** RCRA-SQG: Higher Date form received by agency: 09/27/1994 HOLMES BODY SHOP DUARTE INC Facility name: Actual: Facility address: 1718 HIGHLAND AVE 494 ft. 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 Handler: generates more than 100 and less than 1000 kg of hazardous Description: 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: HOLMES BODY SHOP DUARTE INC Owner/operator name: 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 Private Legal status: 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

Database(s)

EDR ID Number EPA ID Number

	DUARTE INC (COILLI	lucuj
Used oil fuel burn Used oil processo User oil refiner: Used oil fuel mark Used oil Specifica Used oil transfer f	er: No r: No keter to burner: No tion marketer: No acility: No er: No	
Violation Status:	No violatio	ns found
FINDS:		
Registry ID:	11005574	7946
Environmental Inte	erest/Information System	n
Registry ID:	11000287	2972
Environmental Inte	erest/Information System AIR EMISSIONS CLAS	n SSIFICATION UNKNOWN
	RCRAInfo is a national Conservation and Rece events and activities re and treat, store, or disp program staff to track t corrective action activit	information system that supports the Resource overy Act (RCRA) program through the tracking of lated to facilities that generate, transport, nose of hazardous waste. RCRAInfo allows RCRA he notification, permit, compliance, and ies required under RCRA.
	<u>Click this hyperlink</u> whi additional FINDS: deta	le viewing on your computer to access il in the EDR Site Report.
ECHO: Envid: Registry ID: DFR URL:	1 1 1	000685944 10002872972 ttp://echo.epa.gov/detailed-facility-report?fid=110002872972
LOS ANGELES CO. Region: Permit Category: Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	HMS: LA I 016507-021883 01 Closed 3R 000111109 Closed	
Region: Permit Category: Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status:	LA I 016507-058106 01 Permit 3R 000761161 Permit	

1000685944

Database(s)

16 North < 1/8 0.057 mi. 303 ft.	FIBRWRAP CONSTRUCTION INC 1710 EVERGREEN STREET DUARTE, CA 91702	RCRA-CESQG	1008402359 CAR000130260
303 ft. Relative: Higher Actual: 489 ft.	RCRA-CESQG: Date form received by agency: Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Telephone ext.: Contact email: EPA Region: Classification: Description:	10/21/2002 FIBRWRAP CONSTRUCTION INC 1710 EVERGREEN STREET DUARTE, CA 91702 CAR000130260 JUSTIN S YABROF 1710 EVERGREEN STREET DUARTE, CA 91702 US 626-358-9840 14 Not reported 09 Conditionally Exempt Small Quantity Generator Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of 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 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: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator address: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/Operator name: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status:	HEATH CARR Not reported Not reported US Not reported Not reported Not reported Not reported Private Operator 01/01/1995 Not reported EDWARD FYFE Not reported Not reported	
Database(s)

	FIBRWRAP CONSTRUCTION INC (Continued)			1008402359	
	Owner/Operator Type:	Own	er		
	Owner/Op start date:	01/01	1/1988		
	Owner/Op end date:	Not r	reported		
	Handler Activities Summary:				
	U.S. importer of hazardous wa	aste:	No		
	Mixed waste (haz. and radioad	ctive):	No		
	Recycler of hazardous waste:		No		
	Transporter of hazardous was	ste:	Yes		
	Treater, storer or disposer of H	HW:	No		
	Underground injection activity:	•	No		
	On-site burner exemption:		No		
	Furnace exemption:		No		
			NO		
	Used oli processor.		No		
	Used oil fuel marketer to burn	or	No		
	Used oil Specification markete	сі. ar	No		
	Lised oil transfer facility:	51.	No		
	Used oil transporter:		No		
	. Waste code:	D002	2		
	. Waste name:	COR	ROSIVE WASTE		
	Waste code:	11002			
	. Waste name:	2-PR	- OPANONE (I) (OR) ACETONE (I)		
	Violation Status:	No vi	iolations found		
D17 ENE < 1/8	RAIN BIRD CONSUMER PROD MI 1750 EVERGREEN DUARTE, CA 91010	FG CC	DRP RCRA-SQ FIND ECH	G S IO	1000304163 CAD098601685
0.066 mi. 348 ft.	Site 1 of 2 in cluster D				
Delether					
Relative:	RURA-SQG:		1/1006		
	Eacility name:	DAIN			
Actual:	Facility address:	1750			
490 11.	r acinty address.				
	EPA ID	CAD	098601685		
	Mailing address:	POE	30X 37		
	······································	GLE	NDORA. CA 91740		
	Contact:	Not r	eported		
	Contact address:	Not r	eported		
		Not r	eported		
	Contact country:	US			
	Contact telephone:	Not r	eported		
	Contact email:	Not r	eported		
	EPA Region:	09			
	Classification:	Sma	Il Small Quantity Generator		
	Description:	Hand	ller: generates more than 100 and less than 1000 kg of hazardous	3	
		wast	e during any calendar month and accumulates less than 6000 kg o	of	
		naza	roous waste at any time; or generates 100 kg or less of hazardous	5 ~ - f	
		haza	e during any calendar month, and accumulates more than 1000 K rdous waste at any time	JOL	

Database(s)

EDR ID Number EPA ID Number

#### RAIN BIRD CONSUMER PROD MFG CORP (Continued)

Owner/Operator Summary: NOT REQUIRED Owner/operator name: Owner/operator address: NOT REQUIRED NOT REQUIRED, ME 99999 Owner/operator country: Not reported 415-555-1212 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Operator Owner/Operator Type: Not reported Owner/Op start date: 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 RAIN BIRD CONSUMER PROD MFG CORP Site name: Classification: Large Quantity Generator Violation Status: No violations found FINDS: Registry ID: 110002665893

1000304163

Environmental Interest/Information System

EDR ID Number Database(s)

EPA ID Number

	RAIN BIRD CONSUMER PROD MFG CORP (Continued)			
	RCRAInfo Conservat events and and treat, program s corrective			
	<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.			
	ECHO: Envid: Registry ID: DFR URL:	1000304163 110002665893 http://echo.epa.gov/detailed-facility-report?fid=110002665893		
D18 ENE < 1/8 0.071 mi. 374 ft.	DISCOPY LABS INC 1848 EVERGREEN AVE DUARTE, CA 91010 Site 2 of 2 in cluster D	RCRA-SQG FINDS ECHO	1000395284 CAD982518052	
Relative: Higher Actual: 499 ft.	RCRA-SQG: Date form received by agence Facility name: Facility address: EPA ID: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	by: 04/02/1993 DISCOPY LABS INC 1848 EVERGREEN AVE DUARTE, CA 91010 CAD982518052 BETTY SLIPP 14772 PLAZA DR TUSTIN, CA 92680 US 714-730-9000 Not reported 09 Small Small Quantity Generator 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	ſ	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator attension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/Op end date:	LEWIS PROPERTIES 14772 PLAZA DR TUSTIN, CA 92680 Not reported 714-730-9000 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported		

Database(s)

EDR ID Number EPA ID Number

#### **DISCOPY LABS INC (Continued)**

NOT REQUIRED NOT REQUIRED, ME 99999
Not reported
415-555-1212
Not reported
Not reported
Not reported
Private
Operator
Not reported
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.

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

ECHO: Envid: Registry ID: DFR URL:

1000395284 110002839616 http://echo.epa.gov/detailed-facility-report?fid=110002839616

Database(s)

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: Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	03/20/2001 SARI ART AND PRINTING 1803 BUSINESS CENTER DR DUARTE, CA 91010 CAR000093666 JOHN HALLO 1803 BUSINESS CENTER DR DUARTE, CA 91010 US 626-305-0888 Not reported 09 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg waste during any calendar month and accumulates less hazardous waste at any time; or generates 100 kg or les waste during any calendar month, and accumulates more	g of hazardous than 6000 kg of s of hazardous e than 1000 kg of	
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	MEI CHING TAN 1803 BUSINESS CENTER DR DUARTE, CA 91010 Not reported 626-305-0888 Not reported Not reported Not reported Private Owner Not reported Not reported Not reported		
	Handler Activities Summary: U.S. importer of hazardous wa Mixed waste (haz. and radioac Recycler of hazardous waste: Transporter of hazardous waste Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burne Used oil Specification markete Used oil transfer facility: Used oil transporter: . Waste code:	ste: No ive): No No e: No W: No No No No No No No r: No : No No No No No No No		

Database(s)

SARI ART AND PRINTING (Continued) 10		
. Waste name:	IGNITABLE WASTE	
. Waste code: . Waste name:	D018 BENZENE	
. Waste code: . Waste name:	D039 TETRACHLOROETHYLENE	
. Waste code: . Waste name:	D040 TRICHLORETHYLENE	
Violation Status:	No violations found	
FINDS:		
Registry ID:	110012243483	
Environmental Inte	rest/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.	
<u>1</u> 2	<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.	
ECHO: Envid: Registry ID: DFR URL:	1004677140 110012243483 http://echo.epa.gov/detailed-facility-report?fid=110012243483	
HAZNET: envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County:	1004677140 2004 CAR000093666 JOHN TAN/GENERAL MANAGER 6263050888 Not reported 720 N TODD AVENUE AZUSA, CA 917020000 Not reported CAT000613893 Not reported Aqueous solution with total organic residues less than 10 percent Transfer Station 0.45 Not reported Not reported Los Angeles	

Database(s)

EDR ID Number EPA ID Number

#### SARI ART AND PRINTING (Continued)

envid: 1004677140 Year: 2003 CAR000093666 GEPAID: Contact: JOHN TAN/GENERAL MANAGER Telephone: 6263050888 Mailing Name: Not reported 720 N TODD AVENUE Mailing Address: Mailing City, St, Zip: AZUSA, CA 917020000 Gen County: Not reported TSD EPA ID: CAT000613893 Not reported TSD County: 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 Transfer Station **Disposal Method:** Tons: 0.11 Cat Decode: Not reported Method Decode: Not reported Facility County: Los Angeles 1004677140 envid: Year: 2002 CAR000093666 GEPAID: JOHN TAN/GENERAL MANAGER Contact: 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 2001 Year: GEPAID: CAR000093666

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number **EPA ID Number** 

1004677140

## SARI ART AND PRINTING (Continued)

JOHN TAN/GENERAL MANAGER Contact: 6263050888 Telephone: 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 ESE < 1/8 0.080 mi. 420 ft.	PACIFIC SCIENTIFIC - HTL DIVIS 1800 HIGHLAND AVE. DUARTE, CA 91010 Site 1 of 2 in cluster E		CA HIST UST CA EMI CA HAZNET CA NPDES CA WDS	U001566474 N/A
Relative: Higher Actual: 496 ft.	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:	000262A6 http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000 STATE 00000034002 Other AEROSPACE HOWE Not reported 8183599317 ALLEGHENY INTERNATIONAL TWO OLIVER PLAZA, P.O. BOX 456 PITTSBURGH, PA 15230 0001 001 1-1500-3 1979 00001500 PRODUCT Not reported Not reported Not reported Visual	CA WIP	
	Click here for Geo Tracker PDF: EMI: Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code:	1987 19 SC 57300 SC 3444		

Map ID	
Direction	
Distance	
Elevation	Site

Database(s)

EDR ID Number EPA ID Number

U001566474

AC	IFIC SCIENTIFIC - HTL DIVIS (Continued)	
	Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Y	SOUTH COAST AQMD Not reported 2 1 0 0 0 0 0 0 0 7:0
		1000
	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 Casos Tons/Vr:	3
	Popertivo Organic Capos Tons/Vr:	1
	Carbon Monovido Emissiono Tono/Vru	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/Y	r:0
	Ma an	1000
	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 Cases Tons/Vr:	0
	Carbon Monovido Emissions Tons/Vr:	0
	NOX Ovides of Nitragen Tens/Vri	0
	NOX - Oxides of Nillogen Tons/ H.	0
	SOX - Oxides of Sulphur Tons/Yr:	0
	Particulate Matter Tons/Yr:	0
	Part. Matter 10 Micrometers and Smllr Tons/Y	r:0
	Year:	1997
	County Code	19
	Air Basin:	SC
		57300
	Air District Nome	6C
		0700
	SIC Code:	3/28
	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
		-

## P.

Database(s)

EDR ID Number EPA ID Number

U001566474

NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	0 0 0 ::0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	1998 19 SC 57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 0 0 0 0 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	1999 19 SC 57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 0 0 0 0 0 0 0 0 0 0 0
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	2000 19 SC 57300 SC 3728 SOUTH COAST AQMD Not reported Not reported 5 0 0 0 0 0 0 0 0 0 0 0 0 0

EDR ID Number Database(s) EPA ID Number

U001566474

## PACIFIC SCIENTIFIC - HTL DIVIS (Continued)

County Code: Air Basin: Facility ID: Air District Nar SIC Code: Air District Nar Community He Consolidated I Total Organic Reactive Orga Carbon Monoy NOX - Oxides SOX - Oxides Particulate Ma Part. Matter 10	ne: ealth Air Pollution Info System Emission Reporting Rule: Hydrocarbon Gases Tons/Yr: nic Gases Tons/Yr: de Emissions Tons/Yr: of Nitrogen Tons/Yr: of Sulphur Tons/Yr: tter Tons/Yr: ) Micrometers and Smllr Tons	19 SC 57300 SC 3728 SOUTH COAST AQMD 10: Not reported Not reported 5 4 0 0 0 0 0 0 5/Yr:0
HAZNET:		
envid:	U001566474	
Year:	2013	
GEPAID:	CAC002729388	
Contact:	GLENN SPETTA	
Telephone:	5164733704	
Mailing Addres	ss <sup>.</sup> 75 MAXESS RD	
Mailing City.St	Zip: MELVILLE. NY 11747	3151
Gen County:	Los Angeles	
TSD EPA ID:	CAD008364432	
TSD County:	Los Angeles	
Waste Catego	ry: Not reported	
Disposal Meth	od: Storage, Bulking, And (H010-H129) Or (H13	/Or Transfer Off SiteNo Treatment/Reovery 1-H135)
Tons:	0.002	
Cat Decode:	Not reported	
Facility County	<ul> <li>Not reported</li> <li>Not reported</li> </ul>	
	. Not reported	
envid:	U001566474	
	CAC002729388	
Contact:	GLENN SPETTA	
Telephone:	5164733704	
Mailing Name:	Not reported	
Mailing Addres	s: 75 MAXESS RD	
Mailing City,St	Zip: MELVILLE, NY 11747	3151
Gen County:	Los Angeles	
TSD EPA ID:	CAD008364432	
ISD County:	Los Angeles	
Disposal Meth	od: Storage Bulking And	/Or Transfer Off SiteNo Treatment/Reovery
	(H010-H129) Or (H13	1-H135)
Ions:	0.0015	
Cat Decode:	Not reported	
Facility County	<ul> <li>Not reported</li> </ul>	
envid:	U001566474	
Year:	2013	

Database(s)

EDR ID Number EPA ID Number

#### U001566474

# PACIFIC SCIENTIFIC - HTL DIVIS (Continued)

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 SiteNo 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 191009090
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

Not reported

Not reported

Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

#### PACIFIC SCIENTIFIC - HTL DIVIS (Continued)

**OPERATOR CONTACT EMAIL:** OPERATOR TYPE: DEVELOPER NAME: **DEVELOPER ADDRESS:** DEVELOPER CITY: DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: TERTIARY SIC: Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: **Discharge Address: Discharge City:** Discharge State:

Discharge Zip: RECEIVED DATE: Not reported 4 189751 Not reported Industrial Not reported 4 191009090 Not reported Not reported Not reported Not reported 08/28/2015 Not reported Not reported Not reported Not reported Not reported 05/09/2008

#### U001566474

11/07/1992

Database(s)

EDR ID Number EPA ID Number

#### PACIFIC SCIENTIFIC - HTL DIVIS (Continued)

PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP** OPERATOR CONTACT NAME: OPERATOR CONTACT TITLE: **OPERATOR CONTACT PHONE:** OPERATOR CONTACT PHONE EXT: OPERATOR CONTACT EMAIL: OPERATOR TYPE: DEVELOPER NAME: DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: **DEVELOPER ZIP:** DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** 

Terminated 09/01/2015 150800 SqFt Jon Hanson Not reported 626-434-1994 Not reported Not reported HTL Pacific Scientific 1800 Highland Ave Duarte California 91010 Jon Hanson Not reported 626-434-1994 Not reported Not reported **Private Business** Not reported Not reported Not reported California Not reported Not reported Not reported Not reported 626-434-1194 Not reported Ν Not reported Not reported Not reported Not reported 3728-Aircraft Parts and Auxiliary Equipment, NEC Not reported Not reported

## U001566474

Database(s)

EDR ID Number EPA ID Number

## PACIFIC SCIENTIFIC - HTL DIVIS (Continued)

WDS:	
Facility ID:	4 191009090
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 Typ	e: 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 Number:	106.2047
File Status:	Not reported
Staff:	DRASMUSS
Facility Suite:	Not reported

## U001566474

Database(s)

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
420 ft. Relative: Higher Actual: 496 ft.	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	y: 06/03/2010 PACIFIC SCIENTIFIC 1800 HIGHLAND AVE DUARTE, CA 91010 CAD056444656 LARRY T CONSTANTINO 1800 HIGHLAND AVE. DUARTE, CA 91010 US 626-434-1194 LCONSTANTINO@HTL.PACSCI.COM 09 Small Small Quantity Generator 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: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/Operator name: Owner/operator address: Owner/operator country: Owner/operator country: Owner/operator telephone: Owner/operator fax: Owner/operator fax: Owner/operator fax: Owner/Operator fax: Owner/Operator Type: Owner/Operator Type: Owner/Op start date: Owner/Op start date: Owner/Op start date: Owner/Op end date: Owner/Op end date: Owner/Op end date: Owner/Op end date: Owner/operator name: Owner/operator address:	BROOKHILL CORPORATION 2716 OCEAN PARK BLVD #2011 SANTA MONICA, CA 90406 US 310-314-2400 Not reported Not reported Not reported Owner 01/01/1979 Not reported PACIFIC SCIENTIFIC Not reported Not reporte	

Database(s)

EDR ID Number EPA ID Number

## PACIFIC SCIENTIFIC (Continued)

Ow Ow Leg Ow Ow Ow	vner/operator fax: vner/operator extension: gal status: vner/Operator Type: vner/Op start date: vner/Op end date:	Not reported Not reported Private Owner Not reported Not reported	
Ow Ow	vner/operator name: vner/operator address:	NOT REQUIRE NOT REQUIRE	D D D MF 99999
Ow Ow Ow Ow Leg Ow Ow	vner/operator country: vner/operator telephone: vner/operator email: vner/operator fax: vner/operator extension: gal status: vner/Operator Type: vner/Op start date: vner/Op end date:	Not reported 415-555-1212 Not reported Not reported Private Operator Not reported Not reported Not reported	D, ME 33335
Handl U.S Mix Re Tra Tre Un On Fui Us Us Us Us Us Us Us Us	ler Activities Summary: S. importer of hazardous wa ked waste (haz. and radioad cycler of hazardous waste: ansporter of hazardous waste eater, storer or disposer of H iderground injection activity: n-site burner exemption: rnace exemption: ed oil fuel burner: ed oil processor: er oil refiner: ed oil refiner: ed oil fuel marketer to burne ed oil Specification markete ed oil transfer facility: ed oil transporter:	ste: No No P: No W: No No No No No r: No r: No No No No No	
. \	Waste code: Waste name:	D001 IGNITABLE WA	STE
. \	Waste code: Waste name:	D002 CORROSIVE W	/ASTE
. \	Waste code: Waste name:	D003 REACTIVE WA	STE
. \	Waste code: Waste name:	D007 CHROMIUM	
. \	Waste code: Waste name:	D039 TETRACHLOR(	DETHYLENE

Historical Generators:

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

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

:HO: Envid: Registry ID: DFR URL: OF HOPE MEDIO E DUARTE RD TE, CA 91010	HAZARDOUS WASTE BIENNIAL REPORTER  Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.  1000101327 110000476565 http://echo.epa.gov/detailed-facility-report?fid=110000476565  AL CENTER  RCRA-LQG CA UST CA AST CA SWEEPS UST CA HIST UST CA FID UST	1000440531 CAD066698408
HO: Envid: Registry ID: DFR URL:	HAZARDOUS WASTE BIENNIAL REPORTER <u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report. 1000101327 110000476565 http://echo.epa.gov/detailed-facility-report?fid=110000476565	
	HAZARDOUS WASTE BIENNIAL REPORTER <u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.	
	HAZARDOUS WASTE BIENNIAL REPORTER	
	STATE MASTER	
	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 AIR POLLUTANT MAJOR	
	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.	
	these facilities release directly to air, water, land, or that are transported off-site.	
Environmental Inte	erest/Information System US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that	
Registry ID:	110000476565	
NDS:		
Violation Status:	No violations found	
Site name: Classification:	HTL ADVANCED TECHNOLOGY DIVISION Large Quantity Generator	
Date form receive	ed by agency: 08/14/1980	1000101021
F CSC V J F E	FIC SCIENTIFIC Date form receive Site name: Dassification: /iolation Status: DS: Registry ID: Environmental Int	CASCIENTIFIC (Continued)         Date form received by agency: 08/14/1980         Site name:       HTL ADVANCED TECHNOLOGY DIVISION         Dassification:       Large Quantity Generator         /iolation Status:       No violations found         DS:       Intervention Status:         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       STATE MASTER

RCRA-LQG: Date form received by agency: 02/26/2016 Facility name: CITY OF HOPE MEDICAL CENTER

Database(s)

EDR ID Number EPA ID Number

## 1000440531

Facility address:	1500 E. DUARTE RD.
	DUARTE, CA 91010
EPA ID:	CAD066698408
Mailing address:	E. DUARTE RD.
5	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
	TOU kg of that material at any time
Quiner/Operator Summary:	
Owner/operator name.	
Owner/operator address:	Not reported
Owner/energies	Not reported
Owner/operator tolophono:	Not reported
Owner/operator telephone.	Not reported
Owner/operator fax:	Not reported
Owner/operator lax.	Not reported
Owner/enerator extension:	Not reported
Owner/operator extension:	Not reported
Owner/operator extension: Legal status:	Not reported Private
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date:	Not reported Private Operator 01/01/1013
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op and date:	Not reported Private Operator 01/01/1913
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported Private Operator 01/01/1913 Not reported
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD.
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported Not reported
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported Not reported Not reported
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator extension: Legal status:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported Not reported Not reported Private
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported Not reported Not reported Not reported Private Owner
Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator telephone: Owner/operator fax: Owner/operator fax: Owner/operator fax: Owner/operator Type: Owner/Operator Type: Owner/Op start date:	Not reported Private Operator 01/01/1913 Not reported CITY OF HOPE - ROBERT STONE, CEO E. DUARTE RD. DUARTE, CA 91010 US 626-256-4673 Not reported Not reported Not reported Not reported Private Owner 01/01/2014

Handler Activities Summary:

Database(s)

EDR ID Number EPA ID Number

## CITY OF HOPE MEDICAL CENTER (Continued)

U.S. importer of hazardous wa Mixed waste (haz. and radioad Recycler of hazardous waste: Transporter of hazardous wass Treater, storer or disposer of H Underground injection activity: On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil refiner: Used oil fuel marketer to burnet Used oil Specification marketer Used oil transfer facility: Used oil transporter:	aste: No ctive): No No te: No two No No No No No No No No No N
. Waste code:	123
. Waste name:	Unspecified alkaline solution
	100
. Waste code: Waste name:	133 Aqueous solution with 10% or more total organic residues
. Waste hame.	Aqueous solution with 10% of more total organic residues
. Waste code:	141
. Waste name:	Off-specification, aged, or surplus inorganics
. Waste code:	181 Other in companies and id was to
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
Wests adds:	250
Waste name	Other organic solids
. Tracto namo.	
Waste code:	513
. Waste name:	Empty containers less than 30 gallons
. Waste code:	541 Bhatachamiagla / photo processing wests
. Waste hame.	Photochemicals / photo processing waste
. Waste code:	551
. Waste name:	Laboratory waste chemicals
. Waste code:	711
. vvaste name:	Liquids with cyanides > 1000 mg/i
. Waste code:	741
Waste name:	Liquids with halogenated organic compounds > 1000 mg/l

Database(s)

EDR ID Number EPA ID Number

1000440531

•	Waste code: Waste name:	791 Liquids with pH < 2
	Waste code: Waste name:	792 Liquids with pH < 2 with metals
	Waste code:	D001
	Waste name:	IGNITABLE WASTE
	Waste code: Waste name:	D002 CORROSIVE WASTE
•	Waste code: Waste name:	D003 REACTIVE WASTE
•	Waste code: Waste name	
•	Waste hame.	
-	Waste code:	D005
•	Waste name:	BARIUM
	Waste code:	D007
•	Waste name:	CHROMIUM
	Waste code:	D008
	Waste name:	LEAD
	Waste code:	D009
	Waste name:	MERCURY
	Wasta ando:	D010
•	Waste name:	SELENIUM
•	Waste code:	
•	waste name.	SILVER
	Waste code: Waste name:	D022 CHLOROFORM
		Daar
•	Waste code: Waste name	DU35 METHYL ETHYL KETONE
•		
•	Waste code:	D038
	Waste name:	PYRIDINE
	Waste code: Waste name:	F002 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)

. Waste code:

SPENT SOLVENT MIXTURES.

Map ID		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	CITY OF HOPE MEDICAL CE	ENTER (Continued)		1000440531
	. Waste name:	THE FOLLOWING SPENT NONHALOGENATED S ACETATE, ETHYL BENZENE, ETHYL ETHER, ME ALCOHOL, CYCLOHEXANONE, AND METHANOI MIXTURES/BLENDS CONTAINING, BEFORE USI NONHALOGENATED SOLVENTS; AND ALL SPE CONTAINING, BEFORE USE, ONE OR MORE OF SOLVENTS, AND A TOTAL OF TEN PERCENT O MORE OF THOSE SOLVENTS LISTED IN F001, F BOTTOMS FROM THE RECOVERY OF THESE S MIXTURES.	SOLVENTS: XYLENE, ETHYL ISOBUTYL KE <sup>-</sup> L; ALL SPENT SOLVE E, ONLY THE ABOVE NT SOLVENT MIXTUF THE ABOVE NONHA R MORE (BY VOLUME F002, F004, AND F005 SPENT SOLVENTS AN	ACETONE, ETHYL FONE, N-BUTYL NT SPENT RES/BLENDS LOGENATED E) OF ONE OR ; AND STILL D SPENT SOLVENT
	. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED S KETONE, CARBON DISULFIDE, ISOBUTANOL, F 2-ETHOXYETHANOL, AND 2-NITROPROPANE; A CONTAINING, BEFORE USE, A TOTAL OF TEN F ONE OR MORE OF THE ABOVE NONHALOGEN, LISTED IN F001, F002, OR F004; AND STILL BOT THESE SPENT SOLVENTS AND SPENT SOLVEN	SOLVENTS: TOLUENE PYRIDINE, BENZENE, ALL SPENT SOLVENT PERCENT OR MORE ( ATED SOLVENTS OR ITOMS FROM THE RE NT MIXTURES.	E, METHYL ETHYL MIXTURES/BLENDS BY VOLUME) OF THOSE SOLVENTS ECOVERY OF
	. Waste code:	P001		
	. Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-0 WHEN PRESENT AT CONCENTRATIONS GREA SALTS, WHEN PRESENT AT CONCENTRATION	XO-1-PHENYLBUTYL) TER THAN 0.3% (OR) S GREATER THAN 0.3	I-, & SALTS, WARFARIN, & 3%
	. Waste code: . Waste name:	P042 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLA EPINEPHRINE	MINO)ETHYL]-, (R)- ((	DR)
	Waste code:	P087		
	. Waste name:	OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TET	ROXIDE	
	. Waste code: . Waste name:	P098 POTASSIUM CYANIDE (OR) POTASSIUM CYANI	IDE K(CN)	
	. Waste code: . Waste name:	P105 SODIUM AZIDE		
	. Waste code: . Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE		
	. Waste code: . Waste name:	U010 AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-E 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]- HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AA MITOMYCIN C	DIONE, 1,1A,2,8,8A,8B-HEXAI LPHA, 8BALPHA)]- (O	HYDRO-8A-MET R)
	. Waste code: . Waste name:	U035 BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROET	[HYL)AMINO]- (OR) Cł	HLORAMBUCIL
	. Waste code: . Waste name:	U080 METHANE, DICHLORO- (OR) METHYLENE CHLO	ORIDE	
	. Waste code: . Waste name:	U085 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRA	ANE	

	OF HOPE MEDICAL CENTE	R (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-BUTYL	AMINE
	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:		
•	waste name:	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,1) (OR) TOLUENE DIISOC	YANATE (R,T)
	Waste code:		
•	waste name:	2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AI	MINO
		-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	
Hist	torical Generators:		
Ľ	Date form received by agency	y:03/01/2014	
5 (	Site name: Classification	Large Quantity Generator	
	Waste code: Waste name:	D001 IGNITABLE WASTE	
•			
•	Waste code:	D002 CORROSIVE WASTE	
•	Waste hame.		
•	Waste code:		
•	vvaste name:	REAUTIVE WASTE	
	Waste code:	D004	
•	waste name:	ARSENIC	
	Waste code:	D007	

## . Waste name: CHROMIUM

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTER (Continued) 1000440531			
. Waste code: . Waste name:	D008 LEAD		
. Waste code: . Waste name:	D009 MERCURY		
. Waste code: . Waste name:	D010 SELENIUM		
. Waste code: . Waste name:	D011 SILVER		
. Waste code: . Waste name:	D022 CHLOROFORM		
. Waste code: . Waste name:	D035 METHYL ETHYL KETONE		
. Waste code: . Waste name:	D037 PENTACHLOROPHENOL		
. Waste code: . Waste name:	D038 PYRIDINE		
. Waste code: . Waste name:	F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLORO METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROE CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1 TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CON USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OF ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SPENT SOLVENT MIXTURES.	DETHYLENE, THANE, ,1,2, TAINING, BEFORE R MORE OF THE I F001, F004, AND T SOLVENTS AND	
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, A ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KET ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVEN MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE S NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTUR CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHAL SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND MIXTURES.	ACETONE, ETHYL ONE, N-BUTYL IT SPENT ES/BLENDS OGENATED ) OF ONE OR AND STILL ) SPENT SOLVENT	
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT I CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (I ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR T LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE REP THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	, METHYL ETHYL MIXTURES/BLENDS 3Y VOLUME) OF THOSE SOLVENTS COVERY OF	
. Waste code:	P001		

. Waste code:

# CITY OF HOPE MEDICAL CENTER (Continued)

	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: Waste name:	P098 POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
•	Waste code: Waste name:	P105 SODIUM AZIDE
•	Waste code: Waste name:	P106 SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
	Waste code: Waste name:	U003 ACETONITRILE (I,T)
•	Waste code: Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE
	Waste code: Waste name:	U010 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: Waste name:	U012 ANILINE (I,T) (OR) BENZENAMINE (I,T)
•	Waste code: Waste name:	U103 DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER
•	Waste code: Waste name:	U117 ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
•	Waste code: Waste name:	U124 FURAN (I) (OR) FURFURAN (I)
•	Waste code: Waste name:	U136 ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID
•	Waste code: Waste name:	U138 METHANE, IODO- (OR) METHYL IODIDE
•	Waste code: Waste name:	U188 PHENOL
•	Waste code: Waste name:	U211 CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
•	Waste code: Waste name:	U239 BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
•	Waste code: Waste name:	U328 BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

EDR ID Number Database(s) EPA ID Number

CITY OF HOPE MEDICAL CEN	TER (Continued)	1000440531	
. Waste code: . Waste name:	U404 ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE		
Date form received by ager	ncy: 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: TETRACH METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLO	LOROETHYLENE, PROETHANE,	
	ORTHO-DICHLOROBENZENE, 1,1,2-1RICHLORO-1,2,2-1RIFLUOROETHANE, A	., ND 1,1,2,	
	TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF OI	CONTAINING, BEFORE NE OR MORE OF THE	
	ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LIST	ED IN F001, F004, AND	
	SPENT SOLVENT MIXTURES.	I LINI SOLVENIIS AND	
. Waste code:	F003		
. Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLE ACETATE ETHYL BENZENE ETHYL ETHER METHYL ISOBUTYL	NE, ACETONE, ETHYL KETONE N-BUTYI	
	ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SO	LVENT	
	MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABO NONHALOGENATED SOLVENTS: AND ALL SPENT SOLVENT MIX	OVE SPENT CTURES/BLENDS	
	CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NO	NHALOGENATED	
	SULVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOL MORE OF THOSE SOLVENTS LISTED IN F001_F002_F004_AND F	UME) OF ONE OR 5005: AND STILL	
	BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS	AND SPENT SOLVENT	
	MIXTURES.		

Map ID		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	CITY OF HOPE MEDICAL CE	NTER (Continued)		1000440531
	. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED S KETONE, CARBON DISULFIDE, ISOBUTANOL, P 2-ETHOXYETHANOL, AND 2-NITROPROPANE; A CONTAINING, BEFORE USE, A TOTAL OF TEN F ONE OR MORE OF THE ABOVE NONHALOGENA LISTED IN F001, F002, OR F004; AND STILL BOT THESE SPENT SOLVENTS AND SPENT SOLVEN	SOLVENTS: TOLUENE YRIDINE, BENZENE, ALL SPENT SOLVENT PERCENT OR MORE ( ATED SOLVENTS OR TOMS FROM THE RE AT MIXTURES.	E, METHYL ETHYL MIXTURES/BLENDS (BY VOLUME) OF THOSE SOLVENTS ECOVERY OF
	. Waste code: . Waste name:	P003 2-PROPENAL (OR) ACROLEIN		
	. Waste code: . Waste name:	P057 ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAM	11DE	
	. Waste code: . Waste name:	P098 POTASSIUM CYANIDE (OR) POTASSIUM CYANI	DE K(CN)	
	. Waste code: . Waste name:	P105 SODIUM AZIDE		
	. Waste code: . Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE		
	. Waste code: . Waste name:	U010 AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-D 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]- HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AAI MITOMYCIN C	010NE, 1,1A,2,8,8A,8B-HEXAł LPHA, 8BALPHA)]- (O	HYDRO-8A-MET R)
	. Waste code: . Waste name:	U133 HYDRAZINE (R,T)		
	. Waste code: . Waste name:	U189 PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOS	SPHIDE (R)	
	Date form received by ag Site name: Classification:	jency:09/07/2010 CITY OF HOPE NATIONAL MEDICAL CENTER Large Quantity Generator		
	. Waste code: . Waste name:	133 Aqueous solution with 10% or more total organic re	sidues	
	. Waste code: . Waste name:	171 Metal sludge (see 121)		
	. Waste code: . Waste name:	214 Unspecified solvent mixture		
	. Waste code: . Waste name:	311 Pharmaceutical waste		
	. Waste code: . Waste name:	331 Off-specification, aged, or surplus organics		

Database(s)

EDR ID Number EPA ID Number

CITY	OF HOPE MEDICAL CENTE	R (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' TETRACHLOF	
•	Wable Hame.	METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLORO	ETHANE,
		CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,	,
		ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND	1,1,2,
		TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CO	NTAINING, BEFORE
		SEL, SINE OF TENT ENGENT ON MORE (DI VOLOME) OF ONE	

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

Map ID Direction Distance	
Elevation	Site
	CITY OF HOPE MEDICAL CENTER (Contir
	SPENT

Database(s)

ΥC	F HOPE MEDICAL CENTE	R (Continued)	1000440531
		SPENT SOLVENT MIXTURES.	
•	Waste code: Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KET ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURE CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHA SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN MIXTURES.	ACETONE, ETHYL FONE, N-BUTYL NT SPENT RES/BLENDS LOGENATED E) OF ONE OR ; AND STILL D SPENT SOLVENT
-	Waste code: Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ( ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RE THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	E, METHYL ETHYL MIXTURES/BLENDS BY VOLUME) OF THOSE SOLVENTS COVERY OF
	Waste code: Waste name:	P105 SODIUM AZIDE	
•	Waste code: Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE	
	Waste code: Waste name:	U010 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-HEXAH HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (O MITOMYCIN C	HYDRO-8A-MET R)
•	Waste code: Waste name:	U012 ANILINE (I,T) (OR) BENZENAMINE (I,T)	
	Waste code: Waste name:	U019 BENZENE (I,T)	
•	Waste code: Waste name:	U103 DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER	
•	Waste code: Waste name:	U133 HYDRAZINE (R,T)	
•	Waste code: Waste name:	U136 ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID	
	Waste code: Waste name:	U138 METHANE, IODO- (OR) METHYL IODIDE	
	Waste code: Waste name:	U188 PHENOL	
	Waste code:	U196	

Database(s)

CITY OF HOPE MEDICAL CENTER (Continued) 1000440531		
. Waste name:	PYRIDINE	
. Waste code: . Waste name:	U246 CYANOGEN BROMIDE (CN)BR	
Date form received by agency Site name:	: 03/01/2008 CITY OF HOPE NATIONAL MEDICAL CENTER	
Classification.		
. Waste code: . Waste name:	D001 IGNITABLE WASTE	
. Waste code: . Waste name:	D002 CORROSIVE WASTE	
. Waste code: . Waste name:	D009 MERCURY	
. Waste code: . Waste name:	D011 SILVER	
. Waste code: . Waste name:	D022 CHLOROFORM	
. Waste code: . Waste name:	F002 THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOF METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLORO CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CO USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE O ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED I F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPEN SPENT SOLVENT MIXTURES.	ROETHYLENE, ETHANE, 1,1,2, NTAINING, BEFORE DR MORE OF THE N F001, F004, AND NT SOLVENTS AND
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KE ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVE MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTUR CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHA SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUMI MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AN MIXTURES.	ACETONE, ETHYL TONE, N-BUTYL NT SPENT RES/BLENDS ALOGENATED E) OF ONE OR 5; AND STILL ID SPENT SOLVENT
. Waste code: . Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE	
. Waste code: . Waste name:	U010 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-HEXAI HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (O MITOMYCIN C	HYDRO-8A-MET R)
. Waste code:	U170	

EDR ID Number Database(s) EPA ID Number

CITY OF HOPE MEDICAL CENTER	R (Continued)
. 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

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTER	(Continued) 1000440531	
. Waste code:	D007	
. Waste name:	CHROMIUM	
Waste code:	0008	
. 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:		
. Waste hame.	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 SOLVEN MIXTURES.	IT
. Waste code: . Waste name:	P005 2-PROPEN-1-OL (OR) ALLYL ALCOHOL	
. Waste code:		
. Waste hame.	BENZENETHIOE (OK) THIOFTIENOE	
. Waste code: . Waste name:	U007 2-PROPENAMIDE (OR) ACRYLAMIDE	
Waste code:	1010	
. 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:	U044	
. Waste name:	CHLOROFORM (OR) METHANE, TRICHLORO-	
Waste code:	U123	
. Waste name:	FORMIC ACID (C,T)	

## CITY OF HOPF MEDICAL CENTER (Continued)

Database(s)

EDR ID Number EPA ID Number

TY OF HOPE MEDICAL C	ENTER (Continued)	1000440531
. Waste code:	U188	
. Waste name:	PHENOL	
Wests and a	11106	
. Waste coue.		
. Waste name.	FIRIDINE	
. Waste code:	U211	
. Waste name:	CARBON TETRACHLORIDE (OR) METHANE, TETRACHLOR	0-
Date form received by a	aency: 02/16/2004	
Site name:	CITY OF HOPE NATIONAL MEDICAL CENTER	
Classification:	Large Quantity Generator	
Wests adds:	D001	
. Waste code.		
. waste name:	IGNITABLE WASTE	
. Waste code:	D002	
. Waste name:	CORROSIVE WASTE	
Waste code:	D003	
Waste name	REACTIVE WASTE	
. Waste hame.		
. Waste code:	D008	
. Waste name:	LEAD	
Waste code	D009	
. Waste name:	MERCURY	
. Waste code:	D011	
. Waste name:	SILVER	
. Waste code:	D022	
. Waste name:	CHLOROFORM	
	5000	
. Waste code:		
. Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOB ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPEN MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVEN CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOV SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (B) MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, A BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLV MIXTURES.	XYLENE, ACETONE, ETHYL UTYL KETONE, N-BUTYL IT SOLVENT E ABOVE SPENT T MIXTURES/BLENDS E NONHALOGENATED ( VOLUME) OF ONE OR AND F005; AND STILL 'ENTS AND SPENT SOLVEN'
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BI 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT S CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT O ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVE LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURE	TOLUENE, METHYL ETHYL ENZENE, SOLVENT MIXTURES/BLENE R MORE (BY VOLUME) OF ENTS OR THOSE SOLVENT: M THE RECOVERY OF :S.
. Waste code:	U188	
. Waste name:	PHENOL	

## . Waste name:

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTER (Continued)				
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			

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

. Waste code: Waste name:	D007 CHROMIUM
. Waste hame.	
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
Wests and a	D011
. Waste name:	SILVER
. Waste code:	D018 DENIZENIE
	DENZEINE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
Waste code <sup>.</sup>	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
	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:	
. Waste name:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL
	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:	
. 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
Maata aada:	1450
. Waste code:	L-PHENYLALANINE. 4-IBIS(2-CHLOROETHYL)AMINO1- (OR) MELPHALAN
	, , , , , , , , , , , , , , , , , , ,

Database(s)

. 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 agend	sy: 10/12/2000	
Site name:	CITY OF HOPE NATIONAL MEDICAL CENTER	
Classification:	Large Quantity Generator	
Date form received by agend	cy: 03/04/1999	
Site name:	CITY OF HOPE MEDICAL CENTER	
Classification:	Large Quantity Generator	
Date form received by agend	cy: 09/01/1996	
Site name:	CITY OF HOPE MEDICAL CENTER	
Classification:	Large Quantity Generator	
Date form received by agend	cy: 02/27/1996	
Site name:	CITY OF HOPE NATIONAL MEDICAL CTR.	
Classification:	Large Quantity Generator	
Date form received by agend	cy: 05/03/1994	
Site name:	CITY OF HOPE NAT. MEDICAL CENTER	
Classification:	Large Quantity Generator	
Date form received by agend	zy: 05/16/1986	
Site name:	CITY OF HOPE MEDICAL CENTER	
Classification:	Large Quantity Generator	
Biennial Reports:		
ast Biennial Reporting Year: 2.	017	
Annual Waste Handled:		
Waste code:	D001	
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES W LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL WHICH CAN BE OBTAINED FROM THE MANUFACTURER O MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COI WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDO	/HICH HAVE A FLASHPOINT OF BY A PENSKY-MARTENS OF DETERMINING THE SAFETY DATA SHEET, OR DISTRIBUTOR OF THE MMONLY USED SOLVENT DUS WASTE.
Amount (Lbs):	37106	
Waste code:	D002	
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTIO USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PR THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMI DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZAR	R THAN 12.5 IS SODIUM HYDROXIDE, A INDUSTRIES TO CLEAN ON WITH A LOW PH, IS RIOR TO PAINTING. WHEN INATED AND MUST BE RDOUS WASTE.
• • • • •		
EDR ID Number Database(s) EPA ID Number

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Waste code:	D003	
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WAS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERA WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IN	TE IF IT IS ATES TOXIC GASES IS CAPABLE OF
	OF SUCH WASTE WOULD BY WASTE GUNPOWDER.	ME. ONE EXAMPLE
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: TETRACHLOR	OETHYLENE,
	METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROE	ETHANE,
	CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,	
	ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND	
	1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLEND	S 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 FO	01, F004, OR
	TOUS, AND STILL DOTTOING FROM THE RECOVERT OF THESE SPEN	

Database(s)

CITY OF HOPE MEDICA	L CENTER (Continued)	1000440531
	SPENT SOLVENT MIXTURES.	
Amount (Lbs):	33564	
Waste code: Waste name:	F003 THE FOLLOWING SPENT NON-HALO ACETATE, ETHYL BENZENE, ETHYL ALCOHOL, CYCLOHEXANONE, AND I MIXTURES/BLENDS CONTAINING, BE NON-HALOGENATED SOLVENTS; AN CONTAINING, BEFORE USE, ONE OF SOLVENTS, AND, A TOTAL OF TEN P MORE OF THOSE SOLVENTS LISTED BOTTOMS FROM THE RECOVERY O MIXTURES.	GENATED SOLVENTS: XYLENE, ACETONE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL METHANOL; ALL SPENT SOLVENT EFORE USE, ONLY THE ABOVE SPENT ID ALL SPENT SOLVENT MIXTURES/BLENDS MORE OF THE ABOVE NON-HALOGENATED PERCENT OR MORE (BY VOLUME) OF ONE OR D IN F001, F002, F004, AND F005, AND STILL F THESE SPENT SOLVENTS AND SPENT SOLVENT
Amount (Lbs):	35764	
Waste code: Waste name:	F005 THE FOLLOWING SPENT NON-HALO KETONE, CARBON DISULFIDE, ISOB 2-ETHOXYETHANOL, AND 2-NITROP CONTAINING, BEFORE USE, A TOTA ONE OR MORE OF THE ABOVE NON- LISTED IN F001, F002, OR F004; AND THESE SPENT SOLVENTS AND SPE	GENATED SOLVENTS: TOLUENE, METHYL ETHYL UTANOL, PYRIDINE, BENZENE, ROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS L OF TEN PERCENT OR MORE (BY VOLUME) OF -HALOGENATED SOLVENTS OR THOSE SOLVENTS STILL BOTTOMS FROM THE RECOVERY OF NT SOLVENT MIXTURES.
Amount (Lbs):	20424	
Waste code: Waste name:	P001 2H-1-BENZOPYRAN-2-ONE, 4-HYDRO WHEN PRESENT AT CONCENTRATIO	DXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, DNS GREATER THAN 0.3%
Amount (Lbs):	13140	
Waste code: Waste name: Amount (Lbs):	P042 1,2-BENZENEDIOL, 4-[1-HYDROXY-2- 15340	(METHYLAMINO)ETHYL]-, (R)-
Waste code: Waste name: Amount (Lbs):	P087 OSMIUM OXIDE OSO4, (T-4)- 13140	
Waste code: Waste name: Amount (Lbs):	P098 POTASSIUM CYANIDE 13140	
Waste code: Waste name: Amount (Lbs):	P105 SODIUM AZIDE 13140	
Waste code: Waste name: Amount (Lbs):	U007 ACRYLAMIDE 13140	
Waste code: Waste name:	U010 AZIRINO[2',3':3,4]PYRROLO[1,2-A]IND 6-AMINO-8-[[(AMINOCARBONYL)OXY 1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET 8BETA.8AALPHA.8BALPHA)]-	)OLE-4,7-DIONE, ]METHYL]- HOXY-5-METHYL-, [1AS-(1AALPHA,
Amount (Lbs):	14482	

EDR ID Number Database(s) EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

1000440531

#### **CITY OF HOPE MEDICAL CENTER (Continued)** 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 Not reported Date achieved compliance: Evaluation lead agency: State Contractor/Grantee UST: LACoFA0009297 Facility ID: Permitting Agency: Los Angeles County Fire Department Latitude: 34.1296 -117.97372 Longitude: 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 City of Hope Medical Center **Business Name:** 626-256-4673 X 0 Phone: Not reported Fax: 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 City of Hope Medical Center - Robert Stone Property Owner Name: 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 United States Property Owner Country: EPAID: CAD066698408

SWEEPS UST:

Database(s)

EDR ID Number EPA ID Number

1000440531

# CITY OF HOPE MEDICAL CENTER (Continued)

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:	
Active Date.	
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 Not non output
Active Date.	
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:	
Tank Status	Δ
Canacity:	A Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported
	•
Status:	Active
Comp Number:	601
Number: Board Of Equalization:	9 11 007307
Referral Data:	44-007397 06-30-80
Action Date:	Not reported

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Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

	Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	06-30-89 Not reported 19-000-000 A Not reported 06-30-89 UNKNOWN W Not reported Not reported	1 169-000004 1 1
	Status:	Active	
	Comp Number:	169	
	Number:	9	
	Board Of Equalization:	44-007397	
	Referral Date:	06-30-89	
	Action Date:	Not reported	t the second sec
	Created Date:	06-30-89	
	Owner Tank Id:	Not reported	
	SWRCB Tank Id:	19-000-000	169-000005
	Tank Status:	A	
	Capacity.		]
	Tank Lise		
	STG:	W	
	Content:	Not reported	t
	Number Of Tanks:	Not reported	t de la construcción de la const
H	ST UST:		
	File Number:		00027029
	URL:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027029.pdf
	Region:		STATE
	Facility ID:		0000019026
	Facility Type:		
	Contact Name		MELIACKSON
	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

Database(s)

EDR ID Number EPA ID Number

### CITY OF HOPE MEDICAL CENTER (Continued)

Container Constru Leak Detection:	ction Thickness:	Not reported Visual, Stock Inventor
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Constru Leak Detection:	ction Thickness:	003 #3 Not reported 00001000 PRODUCT UNLEADED Not reported Visual, Stock Inventor
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:		004 #4 Not reported 00001000 PRODUCT DIESEL Not reported Visual, Stock Inventor
Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Constru Leak Detection:	ction Thickness:	005 #5 Not reported 00001000 PRODUCT DIESEL Not reported Visual, Stock Inventor
Click here for Geo	Tracker PDF:	
FID UST: Facility ID: Regulated By: Regulated ID: Cortase Code:	19000157 UTNKA 00019026	

CA e Code: Not reported SIC Code: Not reported Facility Phone: 818000000 Mail To: Not reported 208 W 008TH ST RM1100 Mailing Address: 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 Not reported Comments: 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

Database(s)

EDR ID Number EPA ID Number

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

Facility Address: 1500 E DUARTE RD DUARTE, CA 910100000 Notice of Violation Enforcement Action Type: LOS ANGELES Facility County: Program System Acronym: AIR Enforcement Action Forum Desc: Administrative - Informal NOV EA Type Code: 8062 Facility SIC Code: Federal Facility ID: Not reported Latitude in Decimal Degrees: 34.13222 -117.97356 Longitude in Decimal Degrees: 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 CITY OF HOPE MEDICAL CENTER Facility Name: 1500 E DUARTE RD Facility Address: 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 CITY OF HOPE MEDICAL CENTER 06037C047800077 Action Name: 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

Database(s) EPA ID Nu

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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
	0.000.000000000000000000000000000000000
Enforcement Action ID:	CASCAA000006037C047800058
FRS ID:	
Action Name:	CITY OF HOPE MEDICAL CENTER 0603/C04/800058
Facility Name:	CITY OF HOPE MEDICAL CENTER
Facility Address:	
Enforcement Action Type:	Notice of Violation
Environment Action Type.	
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 Administrative Formal
Enlorcement Action Forum Desc.	
EA Type Code.	SCAAAU 9062
Federal Facility ID:	Not reported
Latitude in Decimal Decrees	34 13222
Longitude in Decimal Degrees.	-117 97356
Permit Type Desc.	Not reported
Program System Acronym	CASCA00006037C0478
Facility NAICS Code	622110

Database(s)

EDR ID Number EPA ID Number

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

Tribal Land Code: Not reported Enforcement Action ID: CASCAA000006037C047800032 FRS ID: 110000831208 Action Name: CITY OF HOPE MEDICAL CENTER 06037C047800032 CITY OF HOPE MEDICAL CENTER Facility Name: 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 CASCA00006037C0478 Program System Acronym: Facility NAICS Code: 622110 Tribal Land Code: Not reported Enforcement Action ID: CASCAA000006037C047800019 FRS ID: 110000831208 CITY OF HOPE MEDICAL CENTER 06037C047800019 Action Name: CITY OF HOPE MEDICAL CENTER Facility Name: 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 CASCA00006037C0478 Program System Acronym: Facility NAICS Code: 622110 Tribal Land Code: Not reported Enforcement Action ID: CASCAA000006037C047800018 FRS ID: 110000831208 CITY OF HOPE MEDICAL CENTER 06037C047800018 Action Name: 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

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

	Permit Type Desc: Program System Acronym: Facility NAICS Code: Tribal Land Code:	Not reported CASCA00006037C0478 622110 Not reported
	Enforcement Action ID: FRS ID: Action Name: Facility Name: Facility Address:	CASCAA000006037C047800004 110000831208 CITY OF HOPE MEDICAL CENTER 06037C047800004 CITY OF HOPE MEDICAL CENTER 1500 E DUARTE RD DUARTE, CA 910100000
	Enforcement Action Type: Facility County:	Administrative Order LOS ANGELES
	Program System Acronym: Enforcement Action Forum Desc: EA Type Code:	AIR Administrative - Formal SCAAAO
	Facility SIC Code:	8062
	Federal Facility ID: Latitude in Decimal Degrees:	Not reported 34.13222
	Longitude in Decimal Degrees:	-117.97356
	Permit Type Desc:	Not reported
	Program System Acronym:	CASCA00006037C0478
	Tribal Land Code:	022110 Not reported
		Notreported
	Enforcement Action ID:	CASCAA000006037C047800003
	FRS ID:	110000831208
	Action Name:	
	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. 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
	Tribal Land Code:	022110 Not reported
	Thibai Land Code.	Notreponed
U	S AIRS (AFS):	1000 11050 1
	Envia: Region Code:	1000440531
	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:	δU0∠ 622110
	Default Air Classification Code	MAJ

Database(s)

CITY OF HOPE MEDICAL CENTER (Continued)		10	00440531
Facility Type of Ownership Code: Air CMS Category Code: HPV Status:	POF TVM Not reported		
US AIRS (AFS): Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for N Not reported 2006-11-22 00:00:00 Case File Case File Resolved	ational Primary and Secondary Ambient Ai	r Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for N Not reported 2010-03-18 00:00:00 Case File Case File Resolved	ational Primary and Secondary Ambient Ai	r Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for N Not reported 2012-01-05 00:00:00 Case File Case File Resolved	ational Primary and Secondary Ambient Ai	r Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for N Not reported 2013-05-29 00:00:00 Case File Case File Resolved	ational Primary and Secondary Ambient Ai	r Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ		

EDR ID Number Database(s) EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	110000831208 OPR MAJ State Implementation Plan 2006-09-27 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	for National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C043 110000831208 OPR MAJ State Implementation Plan 2007-08-23 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	'8 for National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C047 110000831208 OPR MAJ State Implementation Plan 2007-08-24 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	'8 for National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C047 110000831208 OPR MAJ State Implementation Plan 2007-08-25 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	78 for National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C043 110000831208 OPR MAJ State Implementation Plan 2007-08-26 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	'8 for National Primary and Secondary Ambient Air Quality Standards

Database(s)

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Group: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2007-10-17 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2008-05-29 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2008-06-24 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2008-08-27 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2009-02-12 00:00:00 Not reported Compliance Monitoring	National Primary and Secondary Ambient Air Quality Standards

Database(s)

СІТ	Y 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	
	Pagion Codo:	00	
	Region Code.		
	Programmatic ID.	AIR CASCA00000037C0476	
	Facility Registry ID:	000	
	Air Operating Status Code:	OPR	
	Default Air Classification Code:		
	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:		
	Activity Type.	Net reported	
	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
	-	-	

Database(s)

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:		National Primary and Secondary Ambient Air Quality Standards
Activity Status Data:	2010-09-15 00.00.00	
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	
All Program:		National Primary and Secondary Ambient Air Quality Standards
Activity Status Data:	2010-09-28 00.00.00	
Activity Group:	Compliance Monitoring	
Activity Type	Inspection/Evaluation	
Activity Status:	Not reported	
Region Code	09	
Programmatic ID:	AIR CASCA0006037C0478	
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	

Database(s)

CITY	OF HOPE MEDICAL CENTER	(Continued)	1000440531
Æ	Air Operating Status Code: Default Air Classification Code:	OPR MAJ	
A	Air Program:	State Implementation Plan for National Primary and Secondary Ambien	t Air Quality Standards
F	Activity Date:	2011-07-01 00:00:00 Not reported	
F L	Activity Group:	Compliance Monitoring	
ļ	Activity Type:	Inspection/Evaluation	
A	Activity Status:	Not reported	
F	Region Code:	09	
F	Programmatic ID:	AIR CASCA00006037C0478	
F L	-acility Registry ID: Air Operating Status Code:	110000831208 OPP	
, L	Default Air Classification Code:	MA.I	
Å	Air Program:	State Implementation Plan for National Primary and Secondary Ambien	t Air Quality Standards
Ā	Activity Date:	2011-07-05 00:00:00	·····, ·····
A	Activity Status Date:	Not reported	
A	Activity Group:	Compliance Monitoring	
A	Activity Type:	Inspection/Evaluation	
A	Activity Status:	Not reported	
F	Region Code:	09	
F	Programmatic ID:	AIR CASCA00006037C0478	
F	acility Registry ID:	110000831208	
<i>А</i>	Air Operating Status Code:		
L /	Air Program:	MAJ State Implementation Plan for National Primary and Secondary Ambien	t Air Quality Standards
	Artivity Date:		It All Quality Standards
4	Activity Status Date	Not reported	
Å	Activity Group:	Compliance Monitoring	
A	Activity Type:	Inspection/Evaluation	
ŀ	Activity Status:	Not reported	
F	Region Code:	09	
F	Programmatic ID:	AIR CASCA00006037C0478	
F	-acility Registry ID:	110000831208	
<i>А</i>	Air Operating Status Code:		
L 1	Air Program:	NIAJ State Implementation Plan for National Primary and Secondary Ambien	t Air Quality Standards
ļ	Activity Date:	2011-08-16 00:00:00	
Ā	Activity Status Date:	Not reported	
A	Activity Group:	Compliance Monitoring	
A	Activity Type:	Inspection/Evaluation	
A	Activity Status:	Not reported	
F	Region Code:	09	
F	Programmatic ID:	AIR CASCA00006037C0478	
F	Facility Registry ID:	110000831208	
<i>A</i>	Air Operating Status Code:	OPR	
L	Jerault Air Classification Code:	IVIAJ State Implementation Dian for National Drimony and Secondary Ambien	t Air Quality Standarda
F I	Activity Date:		a An Quanty Stanuards
, r	Activity Status Date	Not reported	
ļ	Activity Group:	Compliance Monitoring	
Ā	Activity Type:	Inspection/Evaluation	
A	Activity Status:	Not reported	

Database(s)

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2012-08-02 00:000 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2012-08-03 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2012-09-18 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2013-02-25 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2013-06-03 00:00:00 Not reported Compliance Monitoring	National Primary and Secondary Ambient Air Quality Standards

Database(s)

СІТ	Y OF HOPE MEDICAL CENTER	(Continued)	1000440531
	Activity Type:	Inspection/Evaluation	
	Activity Status:	Not reported	
	Degion Code:	00	
	Frogrammatic ID.	AIR CASCA00000037C0478	
	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:	11000831208	
	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:		
	Activity Type.	Not reported	
	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

Database(s)

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	2014-09-09 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2016-09-02 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2006-04-25 00:000 2006-04-25 00:00:00 Enforcement Action Administrative - Formal Final Order Issued	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2009-11-20 00:00:00 2009-11-20 00:00:00 Enforcement Action Administrative - Formal Final Order Issued	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA00006037C0478 110000831208 OPR MAJ State Implementation Plan for 2011-12-08 00:00:00 2011-12-08 00:00:00 Enforcement Action Administrative - Formal Final Order Issued	National Primary and Secondary Ambient Air Quality Standards
Region Code: Programmatic ID: Facility Registry ID:	09 AIR CASCA00006037C0478 110000831208	

Database(s)

CITY OF HOPE MEDICAL CENTER	(Continued)	1000440531
Air Operating Status Code: Default Air Classification Code:	OPR MAJ	
Air Program:	State Implementation Plan for National Primary and S	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	
Air Drogrom:	MAJ State Implementation Dian for National Drimony and S	Secondary Ambient Air Quality Standarda
All Flogram. Activity Date:		Secondary Ambient All Quality Standards
Activity Status Date:	2006-03-08 00:00:00	
Activity Group	Enforcement Action	
Activity Type:	Administrative - Informal	
Activity Status:	Achieved	
Region Code:		
Programmatic ID:	AIR CASCA00000037C0478	
Air Operating Status Code:	OPR	
Default Air Classification Code:	MAI	
Air Program:	State Implementation Plan for National Primary and S	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:		
Air Program:	State Implementation Plan for National Primary and S	Secondary Ambient Air Quality Standards
Activity Status Data:	2011-00-10 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 S	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	

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

Activity Type: Case File Resolved Activity Status: Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: Title V Permits Activity Date: Not reported 2013-05-29 00:00:00 Activity Status Date: Activity Group: Case File Activity Type: Case File Activity Status: Resolved Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Title V Permits Air Program: 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 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: **Title V Permits** 

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

2016-09-02 00:00:00 Activity Date: Activity Status Date: 2016-09-07 17:45:02 Activity Group: **Compliance Monitoring** Activity Type: Inspection/Evaluation Activity Status: Active Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: **Title V Permits** 2006-09-27 00:00:00 Activity Date: 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

Region Code: Programmatic ID: Facility Registry ID:

Activity Status:

09 AIR CASCA00006037C0478 110000831208

Not reported

Database(s)

EDR ID Number EPA ID Number

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

OPR

MAJ

Title V Permits

Not reported

Not reported

2007-08-25 00:00:00

Compliance Monitoring Inspection/Evaluation

Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status: 09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2007-08-26 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported 09 AIR CASCA00006037C0478 110000831208 OPR

OPR MAJ Title V Permits 2007-10-17 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

#### 09

AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2008-05-29 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2008-06-24 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

Database(s)

EDR ID Number EPA ID Number

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

Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Title V Permits Air Program: 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 AIR CASCA00006037C0478 Programmatic ID: 110000831208 Facility Registry ID: 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** Inspection/Evaluation Activity Type: 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

**Title V Permits** 

Not reported

2009-06-30 00:00:00

**Compliance Monitoring** 

Air Program:

Activity Date:

Activity Group:

Activity Status Date:

Database(s)

EDR ID Number EPA ID Number

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

Activity Type: Inspection/Evaluation Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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 Inspection/Evaluation Activity Type: Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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** Inspection/Evaluation Activity Type: Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR MAJ Default Air Classification Code: Air Program: **Title V Permits** 2010-09-24 00:00:00 Activity Date: Activity Status Date: Not reported Activity Group: **Compliance Monitoring** Activity Type: Inspection/Evaluation Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: **Title V Permits** 

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

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 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: **Title V Permits** 2011-07-01 00:00:00 Activity Date: 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** 2011-07-06 00:00:00

Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: 09 AIR CASCA00006037C0478 110000831208

Not reported

Not reported

**Compliance Monitoring** 

Inspection/Evaluation

Database(s)

EDR ID Number EPA ID Number

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

OPR

MAJ

Title V Permits

Not reported

Not reported

2011-08-16 00:00:00

Compliance Monitoring Inspection/Evaluation

Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status: 09 AIR CASCA00006037C0478 110000831208 OPR MAJ **Title V Permits** 2012-02-20 00:00:00 Not reported **Compliance Monitoring** Inspection/Evaluation Not reported 09 AIR CASCA00006037C0478 110000831208 OPR MAJ **Title V Permits** 

Title V Permits 2012-08-02 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

#### 09

AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2012-08-03 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2012-09-18 00:00:00 Not reported Compliance Monitoring Inspection/Evaluation Not reported

Database(s)

EDR ID Number EPA ID Number

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

Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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** 2013-06-03 00:00:00 Activity Date: Activity Status Date: Not reported Activity Group: **Compliance Monitoring** Activity Type: Inspection/Evaluation Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Title V Permits Air Program: 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 AIR CASCA00006037C0478 Programmatic ID: 110000831208 Facility Registry ID: 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** Inspection/Evaluation Activity Type: 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

Not reported

**Compliance Monitoring** 

Activity Status Date:

Activity Group:

Database(s)

EDR ID Number EPA ID Number

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

Activity Type: Inspection/Evaluation Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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** Inspection/Evaluation Activity Type: Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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** Inspection/Evaluation Activity Type: Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR MAJ Default Air Classification Code: Air Program: **Title V Permits** 2016-09-02 00:00:00 Activity Date: Activity Status Date: Not reported Activity Group: **Compliance Monitoring** Activity Type: Inspection/Evaluation Activity Status: Not reported Region Code: 09 AIR CASCA00006037C0478 Programmatic ID: Facility Registry ID: 110000831208 Air Operating Status Code: OPR Default Air Classification Code: MAJ Air Program: **Title V Permits** 

Database(s)

EDR ID Number EPA ID Number

#### CITY OF HOPE MEDICAL CENTER (Continued)

2006-04-25 00:00:00 Activity Date: 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 AIR CASCA00006037C0478 Programmatic ID: 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 AIR CASCA00006037C0478 Programmatic ID: 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 2009-11-20 00:00:00 Activity Status Date: 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

AIR CASCA00006037C0478 110000831208

Programmatic ID:

Facility Registry ID:

Database(s)

EDR ID Number EPA ID Number

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

Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status: Region Code:

Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:

OPR MAJ Title V Permits 2006-03-08 00:00:00 2006-03-08 00:00:00 Enforcement Action Administrative - Informal Achieved 09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2007-09-26 00:00:00

2007-09-26 00:00:00

**Enforcement Action** 

Administrative - Informal Achieved 09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2009-06-30 00:00 2009-06-30 00:00 Enforcement Action Administrative - Informal Achieved

#### 09

AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2011-08-18 00:00:00 2011-08-18 00:00:00 Enforcement Action Administrative - Informal Achieved

09 AIR CASCA00006037C0478 110000831208 OPR MAJ Title V Permits 2012-09-18 00:00:00 2012-09-18 00:00:00 Enforcement Action Administrative - Informal Achieved

Database(s)

EDR ID Number EPA ID Number

CITY OF HOPE MEDICAL CENTER (	(Continued)		
Region Code: Programmatic ID: Facility Registry ID: Air Operating Status Code: Default Air Classification Code: Air Program: Activity Date: Activity Status Date: Activity Group: Activity Type: Activity Status:	09 AIR CASCA 1100008312 OPR MAJ Title V Perm Not reported 2016-06-29 Enforcemen Administrativ Achieved	00006037C0478 208 I I 00:00:00 t Action ve - Informal	
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution In	nfo System:	1987 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported	
Total Organic Hydrocarbon Gase Reactive Organic Gases Tons/Yr Carbon Monoxide Emissions Ton NOX - Oxides of Nitrogen Tons/Y SOX - Oxides of Sulphur Tons/Yr Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and	sraons/Yr: ss/Yr: fr: Smllr Tons/Yf	5 5 34 8 0 1 r:0	
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution In Consolidated Emission Reporting Total Organic Hydrocarbon Gase Reactive Organic Gases Tons/Yr Carbon Monoxide Emissions Tor NOX - Oxides of Nitrogen Tons/Y SOX - Oxides of Sulphur Tons/Yr Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and	nfo System: g Rule: ss Tons/Yr: ss/Yr: /r: r: Smllr Tons/Y	1990 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported 4 4 29 6 0 0 0 r:0	
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution In Consolidated Emission Reporting	nfo System: 3 Rule:	1993 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported	

Database(s)

EDR ID Number EPA ID Number

Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr:	4 3 34 2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Y	′r:0
Year: County Code:	1995 19
	30
Facility ID: Air District Nome	23194
SIC Code:	8062
Air District Name	SOUTH COAST AOMD
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 Smill Tons/	1:0
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:	
Poactive Organic Cases Tons/11.	4
Carbon Monoxide Emissions Tons/Yr	5
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/Y	′r:0
Year:	2001
County Code:	19
AIr Basin:	SC 23104
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
SUX - Uxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	I

# CITY OF HOPE MEDICAL CENTER (Continued)
Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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
Reactive Organic Gases Tons/Yr:	46
Carbon Monoxide Emissions Tons/Yr:	5
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	
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
Reactive Organic Gases Tons/Yr:	46
Carbon Monoxide Emissions Tons/Yr:	5
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	
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

	=
County Code:	19
Air Basin:	SC
Facility ID:	23194

Database(s) EPA

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	SC 8062 SOUTH COAST AQMD Not reported 1.032585 .805224047 4.39 9.107 .10083 .6648 ::.6556005
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	2008 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported 2.066337249075828562 1.47026205000000000 7.470255 19.8311725 .22520415 1.71008375 ::1.62008375
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Reactive Organic Gases Tons/Yr: Carbon Monoxide Emissions Tons/Yr: NOX - Oxides of Nitrogen Tons/Yr: SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: Part. Matter 10 Micrometers and Smllr Tons/Yr	2009 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported 2.1621973054853001 1.550262100000001 7.840255 20.391169999999999 0.23289779999999999 1.48008380000001 T.448881788800001
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Health Air Pollution Info System: Consolidated Emission Reporting Rule: Total Organic Hydrocarbon Gases Tons/Yr:	2010 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported 1.05674335202036

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

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:	6.356000000000005E-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

Community Health Air Pollution Info System:Not reportedConsolidated Emission Reporting Rule:Not reportedTotal Organic Hydrocarbon Gases Tons/Yr:5.998228557Reactive Organic Gases Tons/Yr:3.94654Carbon Monoxide Emissions Tons/Yr:6.8208NOX - Oxides of Nitrogen Tons/Yr:2.78295SOX - Oxides of Sulphur Tons/Yr:0.04636Particulate Matter Tons/Yr:0.65035

Part. Matter 10 Micrometers a	and Smllr Tons/Yr:0.64855984
Year:	2013

l'ear.	2010
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/Y	r:0.14127624

Database(s)

EDR ID Number EPA ID Number

# CITY OF HOPE MEDICAL CENTER (Continued)

Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Healt Consolidated Emi Total Organic Hyo Reactive Organic Carbon Monoxide NOX - Oxides of I SOX - Oxides of S Particulate Matter Part. Matter 10 M	n Air Pollution Info System: ssion Reporting Rule: frocarbon Gases Tons/Yr: Gases Tons/Yr: Emissions Tons/Yr: Sulphur Tons/Yr: Tons/Yr: icrometers and Smllr Tons/Yr	2014 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported 0.25306573964 0.14642 1.38639 2.42269 0.00871 0.16612 r:0.16464486
Year: County Code: Air Basin: Facility ID: Air District Name: SIC Code: Air District Name: Community Healt Consolidated Emi Total Organic Hyd Reactive Organic Carbon Monoxide NOX - Oxides of I SOX - Oxides of S Particulate Matter Part. Matter 10 M	n Air Pollution Info System: ssion Reporting Rule: drocarbon Gases Tons/Yr: Gases Tons/Yr: Emissions Tons/Yr: Nitrogen Tons/Yr: Sulphur Tons/Yr: Tons/Yr: icrometers and Smllr Tons/Yr	2015 19 SC 23194 SC 8062 SOUTH COAST AQMD Not reported Not reported 1.221288685 0.72210669 6.09438543 8.05436382 0.042344472 0.5933185 r:0.5918120896
LOS ANGELES CO. Region: Permit Category: Facility Id: Facility Type: Facility Status: Area: Permit Number: Permit Status: Region: Permit Category: Facility Id: Facility Type: Facility Status: Area: Permit Number:	HMS: LA I 000168-100169 02 Permit 3R 000005293 Permit LA I 000168-100169 01 Permit 3R 000092413	
Region: Permit Category: Facility Id: Facility Type:	LA T 000168-000169 0	

Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

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

Facility Status: Permit Area: 3R Permit Number: 00005435T Permit Status: Permit

Region:LAPermit Category:IFacility Id:033577-056899Facility Type:01Facility Status:ClosedArea:3RPermit Number:000753246Permit Status:Closed

NPDES:

Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City: Discharge State:** Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE: FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: OPERATOR ADDRESS: **OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP:** OPERATOR CONTACT NAME: OPERATOR CONTACT TITLE: OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL:** OPERATOR TYPE: DEVELOPER NAME:

Not reported 4 420918 Not reported Construction Not reported 4 19C362669 Not reported Not reported Not reported Not reported 05/13/2013 Not reported Not reported Not reported Not reported Not reported 12/06/2011 12/19/2011 Terminated 06/14/2013 2.1 Acres David Wade Director, Facilities Development 626-254-4673 64287 dwade@coh.org City of Hope National Medical Center 1500 E Duarte Road Duarte California 91010 David Wade Director, Facilities Development 626-254-4673 64287 dwade@coh.org **Private Business** City of Hope National Medical Center

Database(s)

EDR ID Number EPA ID Number

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

DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: **DEVELOPER ZIP** DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** Npdes Number: Facility Status: Agency Id: Region: Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: **Discharge Name:** Discharge Address: **Discharge City:** Discharge State: Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE:

1500 E Duarte Road Duarte California 91010 David Wade Director, Facilities Development Ν Not reported Υ Not reported Not reported Not reported Not reported Not reported Ν Not reported David Wade Director, Facilities Development 06-DEC-11 Not reported Not reported Not reported Not reported Not reported Not reported 4 437264 Not reported Construction Not reported 4 19C366529 Not reported Not reported Not reported Not reported 05/06/2016 Not reported Not reported Not reported Not reported Not reported 05/13/2013 05/16/2013 Terminated

05/25/2016

Database(s) EPA I

EDR ID Number EPA ID Number

1000440531

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

PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP: OPERATOR CONTACT NAME:** OPERATOR CONTACT TITLE: OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL: OPERATOR TYPE:** DEVELOPER NAME: DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: **DIR DISCHARGE USWATER IND:** RECEIVING WATER NAME: CERTIFIER NAME: CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: TERTIARY SIC:

Npdes Number: Facility Status: Agency Id: Region: 1.11 Acres David Turk Senior Program Manager 626-256-8609 Not reported dturk@coh.org City of Hope National Medical Center 1500 E Duarte Road Duarte California 91010 David Turk Senior Program Manager 626-256-8609 Not reported dturk@coh.org **Private Business** City of Hope National Medical Center 1500 E Duarte Road Duarte California 91010 David Turk Senior Program Manager Ν Not reported Not reported Ν Ν Ν Ν Y Ν Ν Ν Not reported Ν Ν Ν Ν Not reported Ν Ν Ν Santa Fe Water Dam David Wade Not reported 13-MAY-13 Not reported Not reported Not reported

#### CAS000002 Terminated

- 0
  - 4

Database(s)

EDR ID Number EPA ID Number

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

Regulatory Measure Id: Order No: Regulatory Measure Type: Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City:** Discharge State: Discharge Zip: RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP:** OPERATOR CONTACT NAME: **OPERATOR CONTACT TITLE:** OPERATOR CONTACT PHONE: OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL:** OPERATOR TYPE: DEVELOPER NAME: DEVELOPER ADDRESS: DEVELOPER CITY: **DEVELOPER STATE: DEVELOPER ZIP** DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND:

437264 2009-0009-DWQ Enrollee Not reported 4 19C366529 Construction Not reported 05/16/2013 Not reported 05/06/2016 City of Hope National Medical Center 1500 E Duarte Road Duarte California 91010 Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

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

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 Not reported DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: Not reported CERTIFIER NAME: Not reported CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** Npdes Number: Active Facility Status: Agency Id: 0 Region: 4 Regulatory Measure Id: 491718 Order No: Regulatory Measure Type: Enrollee Place Id: WDID: Program Type: Adoption Date Of Regulatory Measure: Effective Date Of Regulatory Measure: Expiration Date Of Regulatory Measure: Termination Date Of Regulatory Measure: Discharge Name: Discharge Address: **Discharge City:** Duarte **Discharge State:** Discharge Zip: 91010 RECEIVED DATE: PROCESSED DATE: STATUS CODE NAME: STATUS DATE: PLACE SIZE: PLACE SIZE UNIT: FACILITY CONTACT NAME: FACILITY CONTACT TITLE: FACILITY CONTACT PHONE FACILITY CONTACT PHONE EXT: FACILITY CONTACT EMAIL: OPERATOR NAME: **OPERATOR ADDRESS: OPERATOR CITY: OPERATOR STATE: OPERATOR ZIP: OPERATOR CONTACT NAME:** OPERATOR CONTACT TITLE: **OPERATOR CONTACT PHONE:** OPERATOR CONTACT PHONE EXT: **OPERATOR CONTACT EMAIL:** Not reported OPERATOR TYPE: Not reported DEVELOPER NAME: Not reported

Not reported Not reported Not reported Not reported Not reported CAS000002 2009-0009-DWQ Not reported 4 19C381800 Construction Not reported 11/20/2017 Not reported Not reported City of Hope National Medical Center 1500 E Duarte Road California Not reported Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

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

DEVELOPER ADDRESS: DEVELOPER CITY: DEVELOPER STATE: DEVELOPER ZIP: DEVELOPER CONTACT NAME: DEVELOPER CONTACT TITLE: CONSTYPE LINEAR UTILITY IND: EMERGENCY PHONE NO: EMERGENCY PHONE EXT: CONSTYPE ABOVE GROUND IND: CONSTYPE BELOW GROUND IND: CONSTYPE CABLE LINE IND: CONSTYPE COMM LINE IND: CONSTYPE COMMERTIAL IND: CONSTYPE ELECTRICAL LINE IND: CONSTYPE GAS LINE IND: CONSTYPE INDUSTRIAL IND: CONSTYPE OTHER DESRIPTION: CONSTYPE OTHER IND: CONSTYPE RECONS IND: CONSTYPE RESIDENTIAL IND: CONSTYPE TRANSPORT IND: CONSTYPE UTILITY DESCRIPTION: CONSTYPE UTILITY IND: CONSTYPE WATER SEWER IND: DIR DISCHARGE USWATER IND: RECEIVING WATER NAME: **CERTIFIER NAME:** CERTIFIER TITLE: CERTIFICATION DATE: PRIMARY SIC: SECONDARY SIC: **TERTIARY SIC:** 

Not reported Not reported

F23 East 1/8-1/4 0.154 mi.	ASSEMBLY AUTOMATION 1858 BUSINESS CTR DR DUARTE, CA 91010	RCRA-SQG FINDS ECHO CA HAZNET	1000820230 CAD983662644
813 ft.	Site 1 of 4 in cluster F		
Relative: Higher	RCRA-SQG: Date form received by age	ncy: 03/26/1993	
Actual: 501 ft.	Facility address:	1858 BUSINESS CTR DR DUARTE, CA 91010	
	EPA ID: Contact: Contact address:	CAD983662644 DENNIS BORIBOR 1858 BUSINESS CTR DR DUARTE, CA 91010	
	Contact country: Contact telephone: Contact email: EPA Region: Classification: Description:	US 818-303-2777 Not reported 09 Small Small Quantity Generator 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	f

Database(s)

EDR ID Number EPA ID Number

## ASSEMBLY AUTOMATION (Continued)

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 w	/aste: No
Mixed waste (haz. and radioa	active): No
Recycler of hazardous waste	: No
Transporter of hazardous wa	ste: No
Treater, storer or disposer of	HW: No
Underground injection activity	y: 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 burn	ner: No
Used oil Specification market	ter: 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.

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

Database(s)

EDR ID Number EPA ID Number

1000820230

# **ASSEMBLY AUTOMATION (Continued)**

 ECHO:
 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
r domry County.	
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

Database(s)

EDR ID Number EPA ID Number

# 1000820230

# ASSEMBLY AUTOMATION (Continued)

Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
a un diale	1000000000
	1000820230
rear:	2005
GEPAID:	
	SCOTT THOMPSON
l elephone:	6263032777
Mailing Name:	
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
J = J .	5

 $\label{eq:click this hyperlink} \underbrace{\mbox{Click this hyperlink}}_{23} \mbox{while viewing on your computer to access} \\ 23 \mbox{ additional CA_HAZNET: record(s) in the EDR Site Report.} \\$ 

G24 ENE 1/8-1/4 0.155 mi. 820 ft.	IBIS SYSTEMS INC 1850 EVERGEEN DR DUARTE, CA 91010 Site 1 of 4 in cluster G		RCRA NonGen / NLR FINDS ECHO	1000376024 CAD981685977
Relative: Higher Actual:	RCRA NonGen / NLR: Date form received by agency Facility name:	y: 10/23/1986 IBIS SYSTEMS INC		
504 ft.	EPA ID: Mailing address: Contact:	DUARTE, CA 91010 CAD981685977 EVERGEEN DR DUARTE, CA 91010 ENVIRONMENTAL MANAGER		

Database(s)

EDR ID Number EPA ID Number

#### **IBIS SYSTEMS INC (Continued)** 1000376024 Contact address: 1850 EVERGEEN DR DUARTE, CA 91010 US Contact country: 818-357-2180 Contact telephone: 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 Not reported Owner/Op start date: Owner/Op end date: Not reported NOT REQUIRED Owner/operator name: NOT REQUIRED Owner/operator address: 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:

F25

Tank Capacity:

MAP FINDINGS

EDR ID Number Site Database(s) **EPA ID Number 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: 1000376024 Envid: Registry ID: 110002752423 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002752423 OCCUPANT S106765114 CA WIP **1802 SANTO DOMINGO AVE** East N/A DUARTE, CA 91010 1/8-1/4 0.162 mi. 858 ft. Site 2 of 4 in cluster F **Relative:** WIP: Higher Region: 4 File Number: 106.2050 Actual: File Status: Not reported 501 ft. Staff: UNIDENTIFIED Facility Suite: Not reported F26 **MAJESTIC PARTY SALES INC** CA HIST UST S118412626 East **1857 BUSINESS CTR DR** N/A DUARTE, CA 91010 1/8-1/4 0.170 mi. Site 3 of 4 in cluster F 897 ft. **Relative:** HIST UST: Higher File Number: 000279D3 URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000279D3.pdf Actual: Region: Not reported 502 ft. Facility ID: Not reported Facility Type: Not reported Other Type: Not reported Contact Name: Not reported Not reported Telephone: Not reported Owner Name: Owner Address: Not reported Not reported Owner City, St, Zip: Total Tanks: Not reported Tank Num: Not reported Container Num: Not reported Year Installed: Not reported

Not reported

Contact email:

Not reported

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:	Not reported Not reported Not reported Not reported Not reported		5118412626	
	Click here for Geo Tracker PDF:				
F27 East 1/8-1/4 0.170 mi.	MAJESTIC PARTY SALES, INC. 1857 BUSINESS CENTER DR DUARTE, CA 91010		CA HIST UST	U001566479 N/A	
897 ft.	Site 4 of 4 in cluster F				
Relative: Higher Actual: 502 ft.	HIST UST: File Number: URL: Region: Facility ID: Facility Type: Other Type: Contact Name: Telephone: Owner Name: Owner Address: Owner City,St,Zip: Total Tanks: Tank Num: Container Num: Year Installed: Tank Capacity: Tank Used for: Type of Fuel: Container Construction Thickness: Leak Detection:	Not reported Not reported STATE 00000041132 Other TUPPERWARE DISTRIB. KIRK KEELER 8183579746 MAJESTIC PARTY SALES, INC. 1857 BUSINESS CENTER DR. DUARTE, CA 91010 0001 001 001 01 1980 00000000 PRODUCT Not reported Not reported None			
G28 ENE 1/8-1/4 0.174 mi. 920 ft. Relative: Higher Actual: 505 ft.	APPLE GRAPHICS INC 1858 EVERGREEN ST DUARTE, CA 91010 Site 2 of 4 in cluster G RCRA-SQG: Date form received by agency: 06/2 Facility name: APF Facility address: 185 DU/ EPA ID: CAF	23/1997 PLE GRAPHICS INC 8 EVERGREEN ST ARTE, CA 91010 R000020669	RCRA-SQG FINDS ECHO CA HAZNET CA LOS ANGELES CO. HMS	1001201414 CAR000020669	
	Mailing address: EVE DU/ Contact: LEC Contact address: 185 DU/ Contact country: US Contact telephone: 818	ERGREEN ST ARTE, CA 91010 DNARD CHCHON 8 EVERGREEN ST ARTE, CA 91010 -301-4277			

Database(s) E

EDR ID Number EPA ID Number

APPLE GRAPHICS INC	ontinued)	
EPA Region: Classification: Description:	09 Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of hazardo waste during any calendar month and accumulates less than 6000 kg hazardous waste at any time; or generates 100 kg or less of hazardo waste during any calendar month, and accumulates more than 1000 hazardous waste at any time	us g of ous kg of
Owner/Operator Summ	V:	
Owner/operator nam	KEVIN POLLEY	
Owner/operator add	ss: 1858 EVERGREEN ST DUARTE, CA 91010	
Owner/operator cour	y: Not reported	
Owner/operator telep	one: 818-301-4277	
Owner/operator ema	Not reported	
Owner/operator fax:	Not reported	
Owner/operator exte	sion: Not reported	
Legal status:	Private	
Owner/Operator Typ	Owner	
Owner/Op start date	Not reported	
Owner/Op end date:	Not reported	
U.S. importer of haza Mixed waste (haz. at Recycler of hazardor Transporter of hazar Treater, storer or dis Underground injectic On-site burner exem Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel markete Used oil fuel markete Used oil transfer faci Used oil transfer faci	dous waste: No radioactive): No waste: No pus waste: No pus waste: No pus waste: No pus of HW: No activity: No ion: No No No No to burner: No marketer: No y: No	
Violation Status:	No violations found	
FINDS:		
Registry ID:	110002917988	
Environmental Intere Ca pr ge fa	/Information System fornia Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) ides California with information on hazardous waste shipments for erators, transporters, and treatment, storage, and disposal ities.	

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)

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

S	TATE MASTER
2 a	<u>lick this hyperlink</u> while viewing on your computer to access ditional FINDS: detail in the EDR Site Report.
ECHO: Envid: Registry ID: DFR URL:	1001201414 110002917988 http://echo.epa.gov/detailed-facility-report?fid=110002917988
HAZNET: envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County: envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Name: Mailing Address: Mailing City,St,Zip: Gen County: TSD EPA ID: TSD COUNTY: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County:	1001201414 2013 CAR00020669 SUE MCCUE/CONTROLLER 6267391590 Not reported 1858 EVERGREEN ST DUARTE, CA 91010000 Los Angeles ARD981057870 99 Not reported Fuel Blending Prior To Energy Recovery At Another Site 0.175 Not reported Not reported Not reported Not reported 1001201414 2013 CAR00020669 SUE MCCUE/CONTROLLER 6267391590 Not reported 1858 EVERGREEN ST DUARTE, CA 91010000 Los Angeles 02-IV-99-10 Not reported Not reported Not reported Solvents Recovery 0.45 Not reported Not reported
envid: Year: GEPAID: Contact: Telephone: Mailing Name: Mailing Address: Mailing City,St,Zip:	1001201414 2012 CAR000020669 MIKE MARSHALL 6267391590 Not reported 1858 EVERGREEN ST DUARTE, CA 910100000

Database(s)

EDR ID Number EPA ID Number

# APPLE GRAPHICS INC (Continued)

Gen County: TSD EPA ID: TSD County: Waste Category: Disposal Method: Tons: Cat Decode: Method Decode: Facility County:	Los Angeles ARD981057870 99 Not reported Fuel Blending Prior To Energy Recovery At Another Site 0.68805 Not reported Not reported Los Angeles
Facility County.	Los Aligeles
envid:	1001201414
Year:	2011
GEPAID:	CAR000020669
Contact:	MIKE MARSHALL
l elephone:	6267391590
Mailing Name:	
Mailing Address:	
Con County:	DUARTE, CA 910100000
TSD County:	Not reported
Waste Category	Waste oil and mixed oil
Disposal Method:	Storage Bulking And/Or Transfer Off SiteNo Treatment/Reovery
Biopoodi motilou.	(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 SiteNo Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.054
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

<u>Click this hyperlink</u> while viewing on your computer to access 49 additional CA\_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:

Region:LAPermit Category:IFacility Id:016523-021915Facility Type:01Facility Status:Closed

Database(s)

EDR ID Number EPA ID Number

	Area: 3R Permit Number: 0001 Permit Status: Close	ntinued) 12401 ed		1001201414
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: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 14079 9 44-010346 06-30-89 Not reported 06-30-89 Not reported 19-000-014079-000001 A Not reported 06-30-89 UNKNOWN W Not reported 2 Active 14079 9 44-010346 06-30-89 Not reported 06-30-89 Not reported 19-000-014079-000002 A Not reported 19-000-014079-000002 A Not reported 19-000-014079-000002 A Not reported 19-000-014079-000002		
G30 ENE 1/8-1/4	FEDERICOS BAKERY 1860 EVERGREEN DR DUARTE, CA 91010		CA HIST UST	S118410032 N/A

G30 ENE	FEDERICOS BAKERY 1860 EVERGREEN DR	CA HIST UST	S1184 N/A
1/8-1/4 0.205 mi.	DUARTE, CA 91010		
1083 ft.	Site 3 of 4 in cluster G		
Relative:	HIST UST:		
Higher	File Number:	00026741	
Actual:	URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026741.pdf	
507 ft.	Region:	Not reported	
	Facility ID:	Not reported	

Database(s)

EDR ID Number EPA ID Number

S118410032

## FEDERICOS BAKERY (Continued)

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 ENE **1860 EVERGREEN ST** 1/8-1/4 DUARTE, CA 91010 0.205 mi. 1083 ft. Site 4 of 4 in cluster G HIST UST: Relative: Higher Not reported File Number: URL: Not reported Actual: Region: STATE 507 ft. 00000046910 Facility ID: Facility Type: Other Other Type: BAKERY Contact Name: FRED CRISCIONE Telephone: 8183579866 Owner Name: FEDERICO'S INC. 1860 EVERGREEN DR. Owner Address: DUARTE, CA 91010 Owner City,St,Zip: Total Tanks: 0001 Tank Num: 001 Container Num: 1 Year Installed:

Year Installed:1980Tank Capacity:0000000Tank Used for:WASTEType of Fuel:06Container Construction Thickness:Not reportedLeak Detection:None

CA HIST UST U001566469 N/A



Map ID Direction Distance			MAP FINDINGS		EDR ID Number
Elevation	Site			Database(s)	EPA ID Number
H32 East 1/8-1/4 0.217 mi. 1145 ft	HOFFMAN EDUCATIO 1863 BUSINESS CENT DUARTE, CA 91010 Site 1 of 2 in cluster H	NAL SYSTEM ER DR		CA WIP	S106765134 N/A
Relative: Higher Actual: 507 ft.	WIP: Region: File Number: <b>File Status:</b> Staff: Facility Suite:	4 106.2077 <b>Not reported</b> UNIDENTIFIE Not reported	D		
33 WSW 1/8-1/4 0.224 mi. 1185 ft.	HOPE CITY OF MEDIC 1500 E DUARTE RD DUARTE, CA 91010	AL CENTER		NY MANIFEST	S120956885 N/A
Relative: Lower Actual: 462 ft.	NY MANIFEST: Country: EPA ID: Facility Status: Location Address Code: Location Address Total Tanks: Location City: Location State: Location Zip: Location Zip 4:	1: 2:	USA CAD066698408 Not reported 1500 EAST DUARTE ROAD BP Not reported Not reported DUARTE CA 91010 Not reported		
	EPAID: Mailing Name: Mailing Contact: Mailing Address 1 Mailing Address 2 Mailing City: Mailing State: Mailing Zip: Mailing Zip 4: Mailing Country: Mailing Phone:		CAD066698408 HOPE CITY OF MEDICAL CENTER HOPE CITY OF MEDICAL CENTER 1500 EAST DUARTE ROAD Not reported DUARTE CA 91010 3000 USA 6263598111		
	NY MANIFEST: Document ID: Manifest Status: seq: Year: Trans1 State ID: Trans2 State ID: Generator Ship Da Trans1 Recv Date Trans2 Recv Date TSD Site Recv Date Part A Recv Date: Part B Recv Date: Generator EPA ID Trans1 EPA ID:	ate: : : te:	NYA5463261 C Not reported 1988 47490A-NY 86555ZNY 05/23/1988 05/23/1988 / / 06/02/1988 05/31/1988 06/08/1988 CAD066698408 NYD980769947		

\_\_\_\_\_L

Database(s)

EDR ID Number EPA ID Number

## HOPE CITY OF MEDICAL CENTER (Continued)

Trans2 EPA ID: Not reported NYD000632372 TSDF ID 1: TSDF ID 2: Not reported Manifest Tracking Number: Not reported Import Indicator: Not reported Not reported Export Indicator: Not reported Discr Quantity Indicator: 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 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 Not reported Waste Code: 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 D003 - NON-LISTED REACTIVE WASTES Waste Code: Waste Code: Not reported Waste Code: Not reported Waste Code: Not reported Waste Code: Not reported 00020 Quantity: P - Pounds Units: Number of Containers: 001 Container Type: DM - Metal drums, barrels Handling Method: T Chemical, physical, or biological treatment. Specific Gravity: 100

<u>Click this hyperlink</u> while viewing on your computer to access 7 additional NY\_MANIFEST: record(s) in the EDR Site Report.

Map ID Direction			MAP FINDINGS		
Flevation	Site			Database(s)	EDR ID Number
34 NNE 1/8-1/4 0.240 mi. 1268 ft.	FREDRICKS DEVELOPMEN 1315 HIGHLAND AVE DUARTE, CA	NT CORP		CA SWEEPS UST	S106926450 N/A
Relative: Higher Actual: 511 ft.	SWEEPS UST: Status: Comp Number: Number: Board Of Equalization: Referral Date: Action Date: Created Date: Owner Tank Id: SWRCB Tank Id: Tank Status: Capacity: Active Date: Tank Use: STG: Content: Number Of Tanks:	Active 12449 9 Not rep 06-30-8 Not rep 06-30-8 Not rep Not rep Not rep Not rep Not rep Not rep Not rep Not rep Not rep	orted 9 orted 9 orted orted orted orted orted orted orted orted orted orted orted orted orted orted orted		
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 a Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	agency: 0 C 1 D C E D N N N V N N S H W N N N N N N N N N N N N N N N N N N	9/01/1996 USTOMATION IND ARTS 956 E EVERGREEN AVE UARTE, CA 91010 AD053855086 EVERGREEN AVE UARTE, CA 91010 ot reported ot reported ot reported S ot reported 9 mall Small Quantity Generator andler: generates more than 100 and less than 11 aste during any calendar month and accumulates azardous waste at any time; or generates 100 kg aste during any calendar month, and accumulate azardous waste at any time	000 kg of hazardous s less than 6000 kg of or less of hazardous s more than 1000 kg o	f
	Owner/Operator Summary Owner/operator name: Owner/operator address Owner/operator country Owner/operator telepho Owner/operator email:	ry: ss: N ry: N ione: 4 N	ERRY GRANADOS OT REQUIRED OT REQUIRED, ME 99999 ot reported 15-555-1212 ot reported		

Database(s)

EDR ID Number EPA ID Number

## CUSTOMATION IND ARTS (Continued)

Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	Not reported Not reported Private Owner Not reported Not reported
Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Owner/operator email: Owner/operator fax: Owner/operator fax: Owner/operator extension: Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED NOT REQUIRED NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported Not reported Private Operator Not reported Not reported Not reported Not reported Not reported
Handler Activities Summary: U.S. importer of hazardous w. Mixed waste (haz. and radioa Recycler of hazardous waste: Transporter of hazardous wast Treater, storer or disposer of Underground injection activity On-site burner exemption: Furnace exemption: Used oil fuel burner: Used oil fuel burner: Used oil processor: User oil refiner: Used oil fuel marketer to burn Used oil fuel marketer to burn Used oil Specification markete Used oil transfer facility: Used oil transporter:	aste: No ctive): No No ste: No HW: No : No No No No er: No er: No er: No No 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.

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

ECHO: Envid:

Map ID Direction Distance		MAP FINDINGS		FDR ID Number
Elevation	Site		Database(s)	EPA ID Number
	CUSTOMATION IND ARTS	(Continued)		1000415983
	Registry ID: DFR URL:	110002649402 http://echo.epa.gov/detailed-facility-report	t?fid=110002649402	
36 North 1/4-1/2 0.393 mi. 2076 ft.	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010	CA LOS	CA LUST CA HIST CORTESE ANGELES CO. HMS	S102058082 N/A
Relative: Higher	LUST:			
Higher Actual: 537 ft.	Lead Agency: Case Type: Geo Track: Global Id: Latitude: Longitude: Status: Status Date: Case Worker: RB Case Number: Local Agency: File Location: Local Case Number: Potential Media Affect: Potential Media Affect: Potential Contaminants Site History: LUST: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email:	LOS ANGELES COUNTY LUST Cleanup Site http://geotracker.waterboards.ca.gov/profile_ T0603704718 34.1346113 -117.9393231 Completed - Case Closed 09/10/1997 JOA R-06089 LOS ANGELES COUNTY Not reported Not reported Soil of Concern: Aviation Not reported T0603704718 Local Agency Caseworker JOHN AWUJO LOS ANGELES COUNTY 900 S FREMONT AVE ALHAMBRA jawujo@dpw.lacounty.gov	_report.asp?global_id=1	0603704718
	Phone Number: Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	6264583507 T0603704718 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported		
	LUST: Global Id: Action Type: Date: Action:	T0603704718 Other 09/10/1997 Leak Reported		
	LUST: Global Id: Status: Status Date:	T0603704718 Completed - Case Closed 09/10/1997		

Database(s)

EDR ID Number EPA ID Number

# DUARTE AUTO CENTER (Continued)

Global Id:	T0603704718	
Statua:	Open Case Regin 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 or	n 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):	2321.3518484921197452901620661
Source of Cleanup Funding	:	Not reported
Preliminary Site Assessmer	nt Workplan Submitted:	Not reported
Preliminary Site Assessmer	nt Began:	Not reported
Pollution Characterization B	egan:	Not reported
Remediation Plan Submittee	d:	Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monit	oring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in Soi	il:	Not reported
Significant Interim Remedia	I 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, AF	RCADIA CA 91066-0817
Program:	LUST	
Lat/Long:	34.1346113 / -1	

37

**DUARTE AUTO CENTER (Continued)** 

Not reported

Local Agency Staff:

Phone Number:

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

Beneficial Use: Not reported Priority: Not reported Cleanup Fund Id: Not reported Suspended: Not reported Assigned Name: Not reported Not reported Summary: HIST CORTESE: Region: CORTESE Facility County Code: 19 LTNKA Reg By: R-06089 Reg Id: LOS ANGELES CO. HMS: Region: LA Permit Category: T 005875-006089 Facility Id: Facility Type: 0 Facility Status: Removed Area: 3R Permit Number: 00000192T Permit Status: Removed **CHEVRON #9-4104** CA LUST S102427244 wsw CA HIST CORTESE **1815 BUENA VISTA ST** N/A 1/4-1/2 DUARTE, CA 91010 0.406 mi. 2144 ft. Relative: LUST: Lower LOS ANGELES COUNTY Lead Agency: Case Type: LUST Cleanup Site Actual: Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0603703645 458 ft. Global Id: T0603703645 Latitude: 34.1318821 -117.9775708 Longitude: Status: Completed - Case Closed Status Date: 10/29/1990 Case Worker: JOA **RB** Case Number: I-10657 LOS ANGELES COUNTY Local Agency: 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 JOHN AWUJO Contact Name: LOS ANGELES COUNTY Organization Name: Address: 900 S FREMONT AVE City: ALHAMBRA jawujo@dpw.lacounty.gov Email:

6264583507

## Map ID Direction Distance Elevation Site

# MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# CHEVRON #9-4104 (Continued)

Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T0603703645 Regional Board Caseworker YUE RONG LOS ANGELES RWQCB (REGION 4) 320 W. 4TH ST., SUITE 200 Los Angeles yrong@waterboards.ca.gov Not reported
LUSI:	T0602702645
Action Type:	10003703043 Other
Date:	04/24/1990
Action:	Leak Discovery
Global Id:	T0603703645
Action Type:	Other
Date:	04/24/1990
Action:	Leak Stopped
<u></u>	
Global Id:	10603703645
Action Type:	Other 05/17/1000
Action	Leak Reported
Action.	Ecar Reported
Clobal Id	T0603703645
Status	Open - Case Begin Date
Status Date	04/24/1990
	0 11 1 1000
Global Id:	T0603703645
Status:	Completed - Case Closed
Status Date:	10/29/1990
LUST REG 4:	
Region:	4
Regional Board:	
Eacility Id:	Los Angeles 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
	10000
Cross Street	
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

38 WNW

1/4-1/2

0.432 mi. 2282 ft. MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

S102427244

4/24/1990

Date Leak Stopped:

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):	1280.2153477456083967223141414
Source of Cleanup Funding	J:	UNK
Preliminary Site Assessme	nt Workplan Submitted:	: Not reported
Preliminary Site Assessme	nt Began:	Not reported
Pollution Characterization E	Began:	Not reported
Remediation Plan Submitte	ed:	Not reported
Remedial Action Underway	:	Not reported
Post Remedial Action Moni	toring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gr	oundwater:	Not reported
Hist Max MTBE Conc in So	vil:	Not reported
Significant Interim Remedia	al 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 H/	ABRA, 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	
U U		
1427 BUENA VISTA ST		CA LUST CA HIST CORTESE
DUARTE, CA 91010		CA LOS ANGELES CO. HMS

ESE N/A HMS

Relative: Higher	LUST: Lead Agency:	LOS ANGELES COUNTY
Actual:	Case Type:	LUST Cleanup Site
487 ft.	Geo Track:	http://geotracker.waterboards.ca.gov/profile report.asp?global id=T0603704232
	Global Id:	T0603704232
	Latitude:	34.136386

Database(s)

EDR ID Number EPA ID Number

## **CITY OF DUARTE (Continued)**

Longitude: -117.9775801 Completed - Case Closed Status: Status Date: 01/26/1990 Case Worker: JOA I-14948 **RB** Case Number: LOS ANGELES COUNTY Local Agency: 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 Local Agency Caseworker Contact Type: Contact Name: JOHN AWUJO Organization Name: LOS ANGELES COUNTY Address: 900 S FREMONT AVE City: ALHAMBRA Email: jawujo@dpw.lacounty.gov Phone Number: 6264583507 T0603704232 Global Id: Contact Type: Regional Board Caseworker Contact Name: YUE RONG LOS ANGELES RWQCB (REGION 4) Organization Name: 320 W. 4TH ST., SUITE 200 Address: City: Los Angeles Email: yrong@waterboards.ca.gov Phone Number: Not reported LUST: Global Id: T0603704232 Action Type: Other 01/26/1990 Date: Action: Leak Reported LUST: T0603704232 Global Id: Completed - Case Closed Status: Status Date: 01/26/1990 Global Id: T0603704232 Status: Open - Case Begin Date 01/26/1990 Status Date: LUST REG 4: Region: 4 Regional Board: 04 Los Angeles County: I-14948 Facility Id: Status: Case Closed Substance: Substance Quantity: Not reported Local Case No: Not reported

Database(s)

EDR ID Number EPA ID Number

S100720633

TI OI DOANTE (Communed)		
Case Type:	Soil	
Abatement Method Used at	the Site:	Not reported
Global ID:	T0603704232	
W Global ID	Not reported	
Staff <sup>.</sup>	UNK	
Local Agency:	19000	
Cross Street	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak Eirst Reported:	Not reported	1/26/1000
Date Leak Record Entered:	2/5/1000	1/20/1000
Date Confirmation Bogan:	Not reported	
Date Committation Began.	Not reported	
Date Case Last Changed of	not reported	2/16/1000
Date the Case was Closed	II Dalabase.	2/10/1990
How Look Discovered:	Not reported	1/20/1990
How Leak Discovered.	Not reported	
How Leak Stopped.	Not reported	
Cause of Leak.	Not reported	
	Not reported	
Operator:	Not reported	
Water System:	Not reported	
	Not reported	
Approx. Dist To Production	Well (ft):	2068.5932191959891359356210011
Source of Cleanup Funding		Not reported
Preliminary Site Assessmer	nt Workplan Submitted:	Not reported
Preliminary Site Assessmer	nt Began:	Not reported
Pollution Characterization B	Began:	Not reported
Remediation Plan Submitte	d:	Not reported
Remedial Action Underway		Not reported
Post Remedial Action Monit	toring Began:	Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Gro	oundwater:	Not reported
Hist Max MTBE Conc in So	il:	Not reported
Significant Interim Remedia	I 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 I	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 CORTESF		
Region:	CORTESE	
Facility County Code	19	
Reg By:	LTNKA	
Deschild		
Rea la:	I-14948	

# CITY OF DUARTE (Continued)

Date:

# MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	CITY OF DUARTE (Continued)			S100720633
	LOS ANGELES CO. HM Region: LA Permit Category: Not Facility Id: 008 Facility Type: Not Facility Status: Rer Area: 3R Permit Number: Not Permit Status: Not	S: reported 538-014948 reported noved reported reported		
39 NW 1/4-1/2 0.487 mi. 2571 ft.	JOHN'S FOREIGN CAR RI 1405 HUNTINGTON DR DUARTE, CA 91010	EPAIR	CA LUST CA HIST UST CA LOS ANGELES CO. HMS	U001566477 N/A
Relative:	LUST:			
Relative: Higher Actual: 516 ft.	Lead Agency: Case Type: Geo Track: Global Id: Latitude: Longitude: Status: Status Date: Case Worker: RB Case Number: Local Agency: File Location: Local Case Number: Potential Media Affect Potential Media Affect Potential Contaminant Site History: LUST: Global Id: Contact Type: Contact Type: Contact Name: Organization Name: Address: City: Email:	: is of Concern: T R Ju L 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	LOS ANGELES RWQCB (REGION 4) LUST Cleanup Site http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=Tf T0603706372 34.140129 -117.975199 Open - Inactive 06/09/2017 JFL R-37667 LOS ANGELES COUNTY Not reported Not reported Soil : Gasoline Not reported Soil : Gasoline Not reported 20603706372 Regional Board Caseworker OE F. LUERA OS ANGELES RWQCB (REGION 4) :20 W. 4TH STREET, SUITE 200 OS ANGELES pe.luera@waterboards.ca.gov	0603706372
	Phone Number:	N	lot reported	
	Global Id: Contact Type: Contact Name: Organization Name: Address: City: Email: Phone Number:	T L P L 9 9 A P N	0603706372 .ocal Agency Caseworker PHILLIP GHARIBIANS-TABRIZI .OS ANGELES COUNTY .00 S. FREMONT AVE. ALHAMBRA .gharibians@dpw.lacounty.gov .lot reported	
	LUST: Global Id:	т	0603706372	
	Action Type:	R	RESPONSE	

06/30/2004

# MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# JOHN'S FOREIGN CAR REPAIR (Continued)

		sininaca,
Action:		Tank Removal Report / UST Sampling Report
Global Id		T0603706372
Action Tv	'ne'	Other
Date:	po.	10/25/2004
Action:		Leak Reported
Action.		Leak Neponed
Global Id:	:	T0603706372
Action Ty	pe:	ENFORCEMENT
Date:		08/03/2017
Action:		Staff Letter
Global Id:	:	T0603706372
Action Tv	ne.	RESPONSE
Date:	po.	10/03/2017
Action <sup>-</sup>		Preliminary Site Assessment Workplan
/ tottori.		
Global Id:	:	T0603706372
Action Ty	pe:	ENFORCEMENT
Date:		11/01/2011
Action:		Staff Letter
Global Id:		T0603706372
Action Ty	ne.	ENEORCEMENT
Date:	po.	09/15/2011
Action <sup>-</sup>		Referral to Regional Board
, totion.		
Global Id:	:	T0603706372
Action Ty	pe:	Other
Date:		06/03/2004
Action:		Leak Discovery
Global Id:	:	T0603706372
Action Ty	pe:	RESPONSE
Date:	•	01/15/2012
Action:		Other Report / Document
LUST:		
Global Id:		T0603706372
Status:		Open - Case Begin Date
Status Da	ate:	06/03/2004
Global Id		T0603706372
Status:	•	Open - Site Assessment
Status Da	ato.	10/25/2004
Oluluo Di		10/20/2004
Global Id:	:	T0603706372
Status:		Open - Inactive
Status Da	ate:	05/15/2015
Global Id-		T0603706372
Statue:	•	Open - Site Assessment
Statue Da	ate <sup>.</sup>	10/20/2015
		10/20/2010
Global Id:	:	T0603706372
Status:		Open - Inactive
Status Da	ate:	06/09/2017

# U001566477

Database(s)

EDR ID Number EPA ID Number

## JOHN'S FOREIGN CAR REPAIR (Continued)

HIST UST: File Number: Not reported URL: Not reported Region: STATE Facility ID: 0000033966 Not reported Facility Type: Other Type: Not reported Contact Name: Not reported Telephone: 000000000 Owner Name: JOHN'S FOREIGN CAR REPAIR 1405 E. HUNTINGTON DR. Owner Address: **DUARTE, CA 91010** Owner City, St, Zip: Total Tanks: 0001 Tank Num: 001 Container Num: 1 Year Installed: 1978 Tank Capacity: 00000180 Tank Used for: WASTE WASTE OIL Type of Fuel: **Container Construction Thickness:** Not reported Leak Detection: None LOS ANGELES CO. HMS: Region: LA Permit Category: 1 004116-104262 Facility Id: Facility Type: 01 Facility Status: Closed Area: 3R Permit Number: 000010130 Permit Status: Closed LA Region: 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 000408075 Permit Number: Permit Status: Removed LA Region: Permit Category: I 004116-026189 Facility Id: Facility Type: 01 Facility Status: Permit

# U001566477

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	JOHN'S FOREIGN CAR REP	AIR (Continued)		U001566477
	Area: 3R			
	Permit Number: 00028 Permit Status: Permit	1607		
40 NE 1/2-1 0.573 mi. 3028 ft.	FORMER LERNER'S GAS ST 2107 HUNTINGTON DRIVE DUARTE, CA 91010	ATION	CA ENVIROSTOR	S107736333 N/A
Relative: Higher Actual: 534 ft.	ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Alias Name: Alias Type: Completed Info: Completed Area Name: Completed Document Type: Future Area Name: Future Sub Area Name: Future Sub Area Name: Future Due Date: Completed Date: C	70000050 Refer: Local Agency 08/02/2012 301251 Evaluation Evaluation 0.5 NO SMBRP, LOS ANGELES COUNTY LOS ANGELES COUNTY Not reported Sayareh Amirebrahimi Cleanup Chatsworth 48 25 EPA - Target Site Investigation NO NONE SPECIFIED EPA Grant 34.14001 -117.9597 8529010020 ENGINE TESTING/REPAIR, FUEL - VEHICLE STORA MAINTENANCE Benzene Polychlorinated biphenyls (PCBs TPH-gas Tol Benzene TPH-gas Xylenes Toluene Polychlorinated bip NONE SPECIFIED 8529010020 APN 301251 Project Code (Site Code) 7000050 Envirostor ID Number PROJECT WIDE ne: Not reported Not reported	GE/ REFUELING, VEH luene Xylenes shenyls (PCBs	ICLE

TC5233268.2s Page 150
Map ID Direction		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	FORMER LERNER'S GAS ST Schedule Sub Area Name Schedule Document Type Schedule Due Date: Schedule Revised Date:	ATION (Continued) e: Not reported e: Not reported Not reported Not reported		S107736333
41 ENE 1/2-1 0.658 mi. 3476 ft.	TDH PRECIOUS METAL REFI 2300 E CENTRAL AVE DUARTE, CA 91010	NERY/TDH GOLD	CA ENVIROSTOR LA Co. Site Mitigation	S110494366 N/A
Relative: Higher Actual: 526 ft.	ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Assembly: Senate: Special Program: Restricted Use: Site Mgmt Req: Funding: Latitude: Longitude: APN: Past Use: Potential COC: Confirmed COC: Potential Description: Alias Name: Alias Type: Alias Name: Alias Type: Completed Info: Completed Info: Completed Sub Area Name: Completed Document Typ Completed Date: Comments: Future Due Date: Schedule Area Name: Schedule Document Type: Future Due Date: Schedule Document Type: Schedule Due Date:	71003333 Refer: Other Agency Not reported Not reported Not reported NO NONE SPECIFIED NONE SPECIFIED Not reported Cleanup Chatsworth Not reported Not reported Not reported Not reported Not reported Not reported 34.13537 -117.9556 NONE SPECIFIED NONE SPECIFIED N		

Database(s)

EDR ID Number EPA ID Number

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.	SOUTHWEST PRODUCTIONS CO 2240 BUENA VISTA IRWINDALE, CA 91706	RCRA-SQG CA ENVIROSTOR CA LUST CA VCP CA HIST UST	1000411027 CAD981992498
Relative: Lower		FINDS ECHO CA FMI	
Actual: 425 ft.		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	
	5	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	

## S110494366

Database(s)

EDR ID Number EPA ID Number

### SOUTHWEST PRODUCTIONS CO (Continued)

Owner/Op start date: Owner/Op end date:	Not reported Not reported
Owner/operator name: Owner/operator address	KENT J HACKMAN
Owner/operator country: Owner/operator telephon Owner/operator email: Owner/operator fax: Owner/operator extensio Legal status: Owner/Operator Type: Owner/Op start date: Owner/Op end date:	NOT REQUIRED, ME 99999 Not reported 415-555-1212 Not reported Not reported On: Not reported Private Owner Not reported Not reported Not reported
Handler Activities Summar U.S. importer of hazardo Mixed waste (haz. and r Recycler of hazardous w Transporter of hazardou	y: bus waste: No adioactive): No vaste: No is waste: No
Underground injection a On-site burner exemptio Furnace exemption: Used oil fuel burner: Used oil processor:	ctivity: No n: No No No No
User oil refiner: Used oil fuel marketer to Used oil Specification m Used oil transfer facility: Used oil transporter:	burner: No arketer: No No No
Historical Generators: Date form received by a Site name: Classification:	gency: 02/17/1987 SOUTHWEST PRODUCTIONS CO Large Quantity Generator
Violation Status:	No violations found
ENVIROSTOR: Facility ID: Status: Status Date: Site Code: Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch:	19340773 No Further Action 02/04/1998 300694 Voluntary Cleanup Voluntary Cleanup 8 NO DTSC DTSC Safouh Sayed Emad Yemut Cleanup Cypress

22

Voluntary Cleanup Program

Senate:

Special Program:

Database(s)

EDR ID Number EPA ID Number

1000411027

#### SOUTHWEST PRODUCTIONS CO (Continued)

Restricted Use: NO NONE SPECIFIED Site Mgmt Req: 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 SOUTHWEST PRODUCTS Alias Name: Alias Type: Alternate Name Alias Name: UNION BANK OF CALIFORNIA Alias Type: Alternate Name Alias Name: 110002769442 Alias Type: EPA (FRS #) 300694 Alias Name: Alias Type: Project Code (Site Code) Alias Name: 19340773 Envirostor ID Number Alias Type: Completed Info: PROJECT WIDE Completed Area Name: 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. PROJECT WIDE Completed Area Name: 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 Not reported Future Due Date: 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

Database(s)

EDR ID Number EPA ID Number

#### SOUTHWEST PRODUCTIONS CO (Continued)

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 Not reported Site History: LUST: T0603704618 Global Id: 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 LOS ANGELES RWQCB (REGION 4) Organization Name: Address: 320 W. 4TH ST., SUITE 200 City: Los Angeles Email: yrong@waterboards.ca.gov Phone Number: Not reported LUST: T0603704618 Global Id: Action Type: Other 02/22/1993 Date: Action: Leak Reported Global Id: T0603704618 Action Type: Other 08/21/1992 Date: Action: Leak Discovery LUST: T0603704618 Global Id: Status: Open - Case Begin Date Status Date: 08/21/1992 T0603704618 Global Id: **Open - Site Assessment** Status: Status Date: 02/23/1993 Global Id: T0603704618 Completed - Case Closed Status: 07/25/1994 Status Date:

Database(s)

EDR ID Number EPA ID Number

#### SOUTHWEST PRODUCTIONS CO (Continued)

LUST REG 4: Region: 4 04 Regional Board: County: Los Angeles Facility Id: R-03582 Case Closed Status: 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 Tank Closure How Leak Discovered: How Leak Stopped: Not reported UNK Cause of Leak: Leak Source: UNK Operator: Not reported Not reported Water System: Well Name: Not reported Approx. Dist To Production Well (ft): 4028.7274487512591175915052703 Source of Cleanup Funding: UNK Preliminary Site Assessment Workplan Submitted: 2/23/1993 Preliminary Site Assessment Began: Not reported Pollution Characterization Began: Not reported Not reported Remediation Plan Submitted: Remedial Action Underway: Not reported Not reported Post Remedial Action Monitoring Began: Not reported Enforcement Action Date: 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 SOUTHWEST PROCUCTS Responsible Party: 2240 BUENA VISTA, IRWINDALE, CA 91016 **RP Address:** Program: LUST Lat/Long: 34.1433158 / -1 Local Agency Staff: Not reported Not reported Beneficial Use: Priority: Not reported Cleanup Fund Id: Not reported Suspended: Not reported

Database(s)

EDR ID Number EPA ID Number

Assigned Name:	Not reported
Summary:	TRPH=4710 PPM
Assigned Name: Summary: VCP: Facility ID: Site Type: Site Type Detail: Site Mgmt. Req.: Acres: National Priorities List: Cleanup Oversight Ageno Lead Agency: Lead Agency: Lead Agency Description Project Manager: Supervisor: Division Branch: Site Code: Assembly: Senate: Special Programs Code: Status: Status Date: Restricted Use: Funding: Lat/Long: APN: Past Use: Potential COC:	Not reported TRPH=4710 PPM 19340773 Voluntary Cleanup Voluntary Cleanup NONE SPECIFIED 8 NO cies: DTSC DTSC : * DTSC Safouh Sayed Emad Yemut Cleanup Cypress 300694 48 22 Voluntary Cleanup Program No Further Action 02/04/1998 NO Responsible Party 34.12442 / -117.9766 NONE 30003
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 Name:	EPA (FRS #)
Alias Type:	300694
Alias Type:	Project Code (Site Code)
Alias Name:	19340773
Alias Type: Completed Info: Completed Area Name: Completed Sub Area Nar Completed Document Ty Completed Date: Comments:	PROJECT WIDE me: Not reported pe: Preliminary Endangerment Assessment Report 06/29/1998 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 Nar	me: Not reported
Completed Document Ty	pe: Voluntary Cleanup Agreement
Completed Date:	02/04/1998

EDR ID Number Database(s) EPA ID Number

1000411027

### SOUTHWEST PRODUCTIONS CO (Continued)

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: Future Sub Area Name: Future Document Type: Future Due Date: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported
HIST LIST.	
File Number:	000287AF
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000287AF.pdf
Region:	STATE
Facility ID:	0000008102
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 Thickr	ness: .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 Thickr	ness: .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

EDR ID Number Database(s) **EPA ID Number** 

#### SOUTHWEST PRODUCTIONS CO (Continued)

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: Registry ID: DFR URL:

1000411027 110002769442 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/	/r:0

## HIST CORTESE:

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

Database(s)

EDR ID Number EPA ID Number

## SOUTHWEST PRODUCTIONS CO (Continued)

## 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

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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

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.

EPA Region 6

EPA Region 7

EPA Region 8

**EPA Region 9** 

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

Date of Government Version: 12/11/2017 Date Data Arrived at EDR: 12/22/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 14

Source: EPA Telephone: N/A Last EDR Contact: 02/06/2018 Next Scheduled EDR Contact: 05/21/2018 Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 01/05/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 04/16/2018
	Data Release Frequency: Varies

#### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/11/2017 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	Source: EPA
Date Data Arrived at EDR: 12/26/2017	Telephone: 800-424-9346
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 01/19/2018
Number of Days to Update: 45	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	Source: Department of the Navy
Date Data Arrived at EDR: 06/13/2017	Telephone: 843-820-7326
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 02/09/2018
Number of Days to Update: 94	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/27/2017	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2018	Last EDR Contact: 02/27/2018
Number of Days to Update: 74	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: 01/30/2018Source: Department of Toxic Substances ControlDate Data Arrived at EDR: 01/31/2018Telephone: 916-323-3400Date Made Active in Reports: 03/19/2018Last EDR Contact: 01/31/2018Number of Days to Update: 47Next Scheduled EDR Contact: 05/14/2018Data 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 identifies 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 inventory 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 ( Leaking Underground Storage Tank locations.	Case Listing 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 Leaking Underground Storage Tank locations.	< Case Listing 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 curre Board's LUST database.	t ent information, please refer to the State Water Resources Control	
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 I Leaking Underground Storage Tank locations.	Database 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. Clara, Solano, Sonoma counties.	Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa	

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, Modor please refer to the State Water Resources Cor	c, Siskiyou, Sonoma, Trinity counties. For more current information, ntrol 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 (GE Leaking Underground Storage Tank (LUST) Si system for sites that impact, or have the poten	OTRACKER) ites included in GeoTracker. GeoTracker is the Water Boards data management tial 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's to the State Water Resources Control Board's	s rd Santa Ana Region (8). For more current information, please refer 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 Orange, Riverside, San Diego counties. For m Control Board's LUST database.	Report ore current information, please refer to the State Water Resources
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 Table Leaking underground storage tanks located or	anks on Indian Land n 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 LUSTs on Indian land in Alaska, Idaho, Orego	Tanks on Indian Land n 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
IND	AN LUST R7: Leaking Underground Storage Ta LUSTs on Indian land in Iowa, Kansas, and Ne	anks on Indian Land braska
	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
IND	AN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi an	anks on Indian Land Id 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
IND	AN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank lo	anks on Indian Land ocations 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	C: Statewide SLIC Cases (GEOTRACKER) Cleanup Program Sites (CPS; also known as S and Cleanups [SLIC] sites) included in GeoTra sites that impact, or have the potential to impac	Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, cker. GeoTracker is the Water Boards data management system for ct, 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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 & Cleanu The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	p Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 Cle from spills, leaks, and similar discharges.	eanup) program is designed to protect and restore water quality	
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 The SLIC (Spills, Leaks, Investigations and Cle from spills, leaks, and similar discharges.	Cost Recovery Listing eanup) program is designed to protect and restore water quality	
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 stora	ige 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	Source: SWRCB
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-341-5851
Date Made Active in Reports: 01/17/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 36	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 I The Indian Underground Storage Tank (UST) of land in EPA Region 10 (Alaska, Idaho, Oregon	Indian Land database provides information about underground storage tanks on Indian , 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 Iand 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

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NDIAN UST R5: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian Iand 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 India Iand 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 Iand 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
IND	AN ODI: Report on the Status of Open Dumps Location of open dumps on Indian land.	on Indian Lands
	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
DEE	RIS REGION 9: Torres Martinez Reservation II A listing of illegal dump sites location on the To County and northern Imperial County, Californi	legal Dump Site Locations prres Martinez Indian Reservation located in eastern Riverside a.
	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 Subtitle D Criteria.	that does not comply with one or more of the Part 257 or Part 258
	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 La	and 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
Loc	al Lists of Hazardous waste / Contaminated S	Sites
USI	HIST CDL: National Clandestine Laboratory Reg A listing of clandestine drug lab locations that h Register.	gister nave been removed from the DEAs National Clandestine Laboratory
	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

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.

Data Release Frequency: No Update Planned

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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/18/2017	Telephone: 916-255-6504
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 02/22/2018
Number of Days to Update: 34	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	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.

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.

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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/21/2017	Telephone: 202-366-4555
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 01/19/2018
Number of Days to Update: 22	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	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/26/2017	Telephone: 916-845-8400
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 02/20/2018
Number of Days to Update: 57	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: 03/12/2018Source: StDate Data Arrived at EDR: 03/14/2018Telephone:Date Made Active in Reports: 03/21/2018Last EDR CNumber of Days to Update: 7Next ScherDate Data PalaeData Palae

Source: State Water Quality 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: 06/06/2012Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 02/22/2013Last EDR Contact: 01/03/2013Number of Days to Update: 50Next Scheduled EDR Contact: N/AData 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: 12/31/2009SoDate Data Arrived at EDR: 12/10/2010TeDate Made Active in Reports: 02/25/2011LaNumber of Days to Update: 77Ne

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	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 703-
Date Made Active in Reports: 01/12/2018	Last EDR Contac
Number of Days to Update: 21	Next Scheduled E

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 Pa	rties
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 possess or use radioactive materials and whic EDR contacts the Agency on a quarterly basis	y Commission and contains a list of approximately 8,100 sites which h are subject to NRC licensing requirements. To maintain currency,
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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/09/2018
Number of Days to Update: 76	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/06/2018
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/26/2018
Number of Days to Update: 15	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	TOPS: 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
CON	SENT: Superfund (CERCLA) Consent Decrees Major legal settlements that establish responsit periodically by United States District Courts after	pility and standards for cleanup at NPL (Superfund) sites. Released or 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	RS: 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
INDI	AN RESERV: Indian Reservations This map layer portrays Indian administered lar than 640 acres.	nds of the United States that have any area equal to or greater
	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
FUS	RAP: Formerly Utilized Sites Remedial Action P DOE established the Formerly Utilized Sites Re radioactive contamination remained from Manh	rogram emedial Action Program (FUSRAP) in 1974 to remediate sites where attan 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
имт	RA: 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	Source: Department of Energy
	Date Data Arrived at EDR: 10/11/2017	Telephone: 505-845-0011
	Date Made Active in Reports: 11/03/2017	Last EDR Contact: 02/23/2018 Next Scheduled EDR Contact: 06/04/2018
	Number of Days to Opuate. 25	Data Release Frequency: Varies
	SMELTER 1: Lead Smelter Sites	
	A listing of former lead smelter site locations.	
	Date of Government Version: 01/09/2018	Source: Environmental Protection Agency
	Date Made Active in Reports: 03/02/2018	Last EDR Contact: 02/06/2018
	Number of Days to Update: 24	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	Source: American Journal of Public Health
	Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
	Number of Days to Update: 36	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	Source: EPA
	Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
	Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018
	Number of Days to Optate. Too	Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.		
	Date of Government Version: 10/12/2016	Source: EPA
	Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
	Number of Davs to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	<b>3</b> - 1	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	Source: Department of Labor, Mine Safety and Health Administration
	Date Data Arrived at EDR: 11/28/2017	Telephone: 303-231-5959
	Number of Days to Update: 45	Next Scheduled EDR Contact: 06/11/2018
		Data Release Frequency: Semi-Annually
USM	AINES 2. Ferrous and Nonferrous Metal Mines I	Database Listing
251	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-2280
Date Made Active in Reports: 03/02/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 42	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	Source: Department of Defense		
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564		
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 01/02/2018		
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/30/2018		
	Data Release Frequency: Varies		
	Data i teleace i requeiteji rance		
	DOCKET HWC: Hazardous Waste Compliance Docket Listing A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.		
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	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.		ed Listing ed under the Part 80 (Code of Federal Regulations) EPA Fuels o 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 s Hazardous Substance Cleanup Bond Act fun	site-specific expenditure plan as the basis for an appropriation of ds. 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).		inces Sites List ate Water Resource Control Board (LUST), the Integrated Waste ic 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 lau and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.		EPA ID numbers. These are facilities with certain SIC codes: ment pressing and cleaner's agents; linen supply; coin-operated laundries s; carpet and upholster cleaning; industrial launderers; laundry and	
	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 c	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	Source: State Water Resoruces Control Board
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/19/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 54	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/24/2018	Telephone: 916-255-3628
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 55	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	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 11/17/2017	Telephone: 916-341-6066
Date Made Active in Reports: 12/18/2017	Last EDR Contact: 02/08/2018
Number of Days to Update: 31	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2017	Telephone: 916-255-1136
Date Made Active in Reports: 10/17/2017	Last EDR Contact: 01/08/2018
Number of Days to Update: 97	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	Source: Department of Toxic Subsances Control
Date Data Arrived at EDR: 11/20/2017	Telephone: 877-786-9427
Date Made Active in Reports: 12/27/2017	Last EDR Contact: 02/21/2018
Number of Days to Update: 37	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/20/2017	Telephone: 916-323-3400
Date Made Active in Reports: 12/27/2017	Last EDR Contact: 02/21/2018
Number of Days to Update: 37	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/09/2018	Telephone: 916-440-7145
Date Made Active in Reports: 02/06/2018	Last EDR Contact: 01/09/2018
Number of Days to Update: 28	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	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-322-1080
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 31	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	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2017	Telephone: 916-558-1784
Date Made Active in Reports: 01/16/2018	Last EDR Contact: 03/06/2018
Number of Days to Update: 42	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/14/2018	Telephone: 916-445-9379
Date Made Active in Reports: 03/15/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 29	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	Source: Deaprtment of Conservation
Date Data Arrived at EDR: 12/12/2017	Telephone: 916-445-2408
Date Made Active in Reports: 01/17/2018	Last EDR Contact: 03/14/2018
Number of Days to Update: 36	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/15/2018
Number of Days to Update: 9	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/21/2018
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/09/2018
	Data Release Frequency: Varies

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196 Source: Department of Resources Recycling and Recovery Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182 Source: State Water Resources Control Board Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### COUNTY RECORDS

#### ALAMEDA COUNTY:

#### **Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 01/11/2018 Date Made Active in Reports: 02/22/2018 Number of Days to Update: 42 Source: Alameda County Environmental Health Services Telephone: 510-567-6700 Last EDR Contact: 01/04/2018 Next Scheduled EDR Contact: 04/23/2018 Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017Source: Alameda County Environmental Health ServicesDate Data Arrived at EDR: 10/12/2017Telephone: 510-567-6700Date Made Active in Reports: 11/08/2017Last EDR Contact: 01/22/2018Number of Days to Update: 27Next Scheduled EDR Contact: 04/24/2047Data 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. Source: EPA Region 9 Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Telephone: 415-972-3178 Date Made Active in Reports: 10/23/2009 Last EDR Contact: 03/14/2018 Next Scheduled EDR Contact: 07/02/2018 Number of Days to Update: 206 Data Release Frequency: No Update Planned HMS: Street Number List Industrial Waste and Underground Storage Tank Sites. Date of Government Version: 01/16/2018 Source: Department of Public Works Date Data Arrived at EDR: 01/23/2018 Telephone: 626-458-3517 Last EDR Contact: 01/04/2018 Date Made Active in Reports: 03/20/2018 Number of Days to Update: 56 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 Source: La County Department of Public Works Date Data Arrived at EDR: 01/16/2018 Telephone: 818-458-5185 Date Made Active in Reports: 02/14/2018 Last EDR Contact: 01/16/2018 Number of Days to Update: 29 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 Source: Engineering & Construction Division Date Data Arrived at EDR: 04/21/2017 Telephone: 213-473-7869 Last EDR Contact: 01/10/2018 Date Made Active in Reports: 10/09/2017 Number of Days to Update: 171 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 Source: Community Health Services Date Data Arrived at EDR: 01/17/2018 Telephone: 323-890-7806 Date Made Active in Reports: 02/14/2018 Last EDR Contact: 01/17/2018 Next Scheduled EDR Contact: 04/30/2018 Number of Days to Update: 28 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 Source: City of El Segundo Fire Department Telephone: 310-524-2236 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/10/2017 Last EDR Contact: 01/10/2018 Next Scheduled EDR Contact: 04/30/2018 Number of Days to Update: 21 Data Release Frequency: Semi-Annually City of Long Beach Underground Storage Tank Underground storage tank sites located in the city of Long Beach.

Source: City of Long Beach Fire Department

Next Scheduled EDR Contact: 05/07/2018 Data Release Frequency: Annually

Telephone: 562-570-2563 Last EDR Contact: 01/22/2018

Date of Government Version: 03/09/2017

Date Made Active in Reports: 05/03/2017

Date Data Arrived at EDR: 03/10/2017

Number of Days to Update: 54

### 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

### 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	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 01/03/2018	Telephone: 916-875-8406
Date Made Active in Reports: 02/05/2018	Last EDR Contact: 01/03/2018
Number of Days to Update: 33	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: 11/30/2017Source: San Bernardino County Fire Department Hazardous Materials DivisionDate Data Arrived at EDR: 12/01/2017Telephone: 909-387-3041Date Made Active in Reports: 01/16/2018Last EDR Contact: 02/05/2018Number of Days to Update: 46Next Scheduled EDR Contact: 05/21/2018Data 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	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 02/01/2018
Number of Days to Update: 10	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	Source: Department of Public Health
Date Data Arrived at EDR: 11/07/2017	Telephone: 415-252-3920
Date Made Active in Reports: 12/19/2017	Last EDR Contact: 03/14/2018
Number of Days to Update: 42	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: 12/12/2017Source: San Mateo County Environmental Health Services DivisionDate Data Arrived at EDR: 12/14/2017Telephone: 650-363-1921Date Made Active in Reports: 01/12/2018Last EDR Contact: 03/07/2018Number of Days to Update: 29Next Scheduled EDR Contact: 06/25/2018Data 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	Source: Santa Barbara County Public Health Department
Date Data Arrived at EDR: 09/09/2011	Telephone: 805-686-8167
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 02/15/2018
Number of Days to Update: 28	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 St	utter 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:

D

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	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 01/25/2018	Telephone: 805-654-2813
Date Made Active in Reports: 03/14/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/07/2018
• •	Data Balagaa Fraguanaya Quartarlu

01/22/2018 DR 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	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 12/26/2017
Number of Days to Update: 49	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/08/2018
Number of Days to Update: 37	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	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/25/2018	Telephone: 805-654-2813
Date Made Active in Reports: 03/20/2018	Last EDR Contact: 01/22/2018
Number of Days to Update: 54	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/14/2018	Telephone: 860-424-3375
Date Made Active in Reports: 03/22/2018	Last EDR Contact: 02/14/2018
Number of Days to Update: 36	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

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

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

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 Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 01/31/2018 Next Scheduled EDR Contact: 05/14/2018 Data Release Frequency: Quarterly

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

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

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 03/08/2018 Next Scheduled EDR Contact: 06/25/2018 Data Release Frequency: Annually

### **Oil/Gas Pipelines**

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

#### Electric Power Transmission Line Data

#### Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes Source: National Institutes of Health Telephone: 301-594-6248 Information on Medicare and Medicaid certified nursing homes in the United States. **Public Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states. **Private Schools** Source: National Center for Education Statistics Telephone: 202-502-7300 The National Center for Education Statistics' primary database on private school locations in the United States. **Daycare Centers: Licensed Facilities** Source: Department of Social Services Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Fish & Game Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

#### TARGET PROPERTY ADDRESS

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:

- Groundwater flow direction, and
  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.

### **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.

### 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	
<u>NWI Quad at Target Property</u> AZUSA	<u>Data Coverage</u> 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 Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

### **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**

#### **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic Catego	ry: Stratifed Sequence
System:	Quaternary	
Series:	Quaternary	
Code:	Q (decoded above as Era, System & Series)	

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.

a hydric soil.

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
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches

Depth to Bedrock Max: > 10 inches

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

### 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	<del>398</del>	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

		LOCATION
MAP ID	WELL ID	FROM TP
1	CAOG11000214463	1/2 - 1 Mile ESE

# **PHYSICAL SETTING SOURCE MAP - 5233268.2s**



SITE NAME: ADDRESS: LAT/LONG:	Duarte Phase I ESA 1700 Business Center Drive Duarte CA 91010 34.133681 / 117.968927	CLIENT: CONTACT: INQUIRY #: DATE:	Catlayst Environmnetal Solutions Justin Campbell 5233268.2s March 23, 2018 6:22 pm
		Convr	abt © 2018 EDB Inc © 2015 TomTom Bel 2015

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>Δ1</b>			Database	
ESE 0 - 1/8 Mile Higher			CA WELLS	398
Water System Information	on:			
Prime Station Code: FRDS Number: District Number: Water Type: Source Lat/Long: Source Name: System Number	01N/10W-31M01 S 1910186001 07 Well/Groundwater 340800.0 1175800.0 BUENA VISTA (LACFCD 4427A) 1910186	User ID: County: Station Type: Well Status: Precision:	4TH Los Angeles WELL/AMBNT/MUN/INTAK Active Raw Undefined	E/SUPPLY
System Name:	CAL. AMERICAN WATER CODUA	RTE		
Organization That Oper	rates System: 2020 HUNTINGTON DRIVE SAN MARINO. CA 91108			
Pop Served:	24666 DUARTE	Connections:	7029	
Sample Collected: Chemical:	19-SEP-12 TOTAL DISSOLVED SOLIDS	Findings:	190. MG/L	
Sample Collected: Chemical:	04-DEC-12 NITRATE (AS NO3)	Findings:	2.3 MG/L	
Sample Collected: Chemical:	12-SEP-13 SPECIFIC CONDUCTANCE	Findings:	320. US	
Sample Collected: Chemical:	12-SEP-13 PH, LABORATORY	Findings:	7.5	
Sample Collected: Chemical:	12-SEP-13 ALKALINITY (TOTAL) AS CACO3	Findings:	120. MG/L	
Sample Collected: Chemical:	12-SEP-13 BICARBONATE ALKALINITY	Findings:	140. MG/L	
Sample Collected: Chemical:	12-SEP-13 HARDNESS (TOTAL) AS CACO3	Findings:	120. MG/L	
Sample Collected: Chemical:	12-SEP-13 CALCIUM	Findings:	35. MG/L	
Sample Collected: Chemical:	12-SEP-13 MAGNESIUM	Findings:	7.5 MG/L	
Sample Collected: Chemical:	12-SEP-13 SODIUM	Findings:	20. MG/L	
Sample Collected: Chemical:	12-SEP-13 POTASSIUM	Findings:	3. MG/L	
Sample Collected: Chemical:	12-SEP-13 CHLORIDE	Findings:	16. MG/L	
Sample Collected: Chemical:	12-SEP-13 SULFATE	Findings:	18. MG/L	

Sample Collected: Chemical:	12-SEP-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.27 MG/L
Sample Collected: Chemical:	12-SEP-13 IRON	Findings:	120. UG/L
Sample Collected: Chemical:	12-SEP-13 TOTAL DISSOLVED SOLIDS	Findings:	190. MG/L
Sample Collected: Chemical:	12-SEP-13 LANGELIER INDEX @ 60 C	Findings:	0.22
Sample Collected: Chemical:	12-SEP-13 NITRATE (AS NO3)	Findings:	2.4 MG/L
Sample Collected: Chemical:	12-SEP-13 CARBON DIOXIDE	Findings:	7300. UG/I
Sample Collected: Chemical:	12-SEP-13 TURBIDITY, LABORATORY	Findings:	1.2 NTU
Sample Collected: Chemical:	12-SEP-13 AGGRSSIVE INDEX (CORROSIVITY)	Findings:	12.
Sample Collected: Chemical:	12-SEP-13 NITRATE + NITRITE (AS N)	Findings:	550. MG/L
Sample Collected: Chemical:	18-SEP-13 CALCIUM	Findings:	41. MG/L
Sample Collected: Chemical:	18-SEP-13 MAGNESIUM	Findings:	8. MG/L
Sample Collected: Chemical:	18-SEP-13 SODIUM	Findings:	15.9 MG/L
Sample Collected: Chemical:	18-SEP-13 CHLORIDE	Findings:	10.4 MG/L
Sample Collected: Chemical:	18-SEP-13 SULFATE	Findings:	17.6 MG/L
Sample Collected: Chemical:	18-SEP-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	18-SEP-13 SILICA	Findings:	18. MG/L
Sample Collected: Chemical:	18-SEP-13 ARSENIC	Findings:	3. UG/L
Sample Collected: Chemical:	18-SEP-13 IRON	Findings:	1100. UG/I
Sample Collected: Chemical:	18-SEP-13 NITRATE (AS NO3)	Findings:	3.22 MG/L
Sample Collected: Chemical:	04-DEC-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.33 MG/L
Sample Collected: Chemical:	04-DEC-13 ARSENIC	Findings:	2.1 UG/L
Sample Collected: Chemical:	04-DEC-13 NITRATE (AS NO3)	Findings:	2.3 MG/L

Sample Collected: Chemical:	03-DEC-14 TOTAL DISSOLVED SOLIDS	Findings:	200. MG/L
Sample Collected: Chemical:	05-MAR-15 GROSS ALPHA COUNTING ERROR	Findings:	2.7 PCI/L
Sample Collected: Chemical:	05-MAR-15 GROSS ALPHA MDA95	Findings:	3. PCI/L
Sample Collected: Chemical:	05-MAR-15 RADIUM 226 MDA95	Findings:	0.34 PCI/L
Sample Collected: Chemical:	05-MAR-15 RADIUM 228 MDA95	Findings:	0.74 PCI/L
Sample Collected: Chemical:	05-MAR-15 RADIUM 228 COUNTING ERROR	Findings:	0.599 PCI/L
Sample Collected: Chemical:	05-MAR-15 RADIUM 228 MDA95	Findings:	0.2 PCI/L
Sample Collected: Chemical:	05-MAR-15 RA-226 FOR CWS OR TOTAL RA FOI	Findings: R NTNC BY 903.0	2.7e-002 PCI/L
Sample Collected: Chemical:	05-MAR-15 RA-226 OR TOTAL RA BY 903.0 C.E.	Findings:	0.12 PCI/L
Sample Collected: Chemical:	05-MAR-15 RADIUM, TOTAL, MDA95-NTNC ONL	Findings: Y, BY 903.0	0.47 PCI/L
Sample Collected: Chemical:	05-MAR-15 GROSS ALPHA COUNTING ERROR	Findings:	0.151 PCI/L
Sample Collected: Chemical:	05-MAR-15 GROSS ALPHA MDA95	Findings:	1.e-002 PCI/L
Sample Collected: Chemical:	22-SEP-15 TOTAL DISSOLVED SOLIDS	Findings:	210. MG/L
Sample Collected: Chemical:	14-OCT-15 NITRATE (AS N)	Findings:	1. MG/L
Sample Collected: Chemical:	14-OCT-15 CALCIUM	Findings:	43. MG/L
Sample Collected: Chemical:	14-OCT-15 MAGNESIUM	Findings:	8. MG/L
Sample Collected: Chemical:	14-OCT-15 SODIUM	Findings:	16.8 MG/L
Sample Collected: Chemical:	14-OCT-15 CHLORIDE	Findings:	13.8 MG/L
Sample Collected: Chemical:	14-OCT-15 SULFATE	Findings:	18.6 MG/L
Sample Collected: Chemical:	14-OCT-15 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	14-OCT-15 SILICA	Findings:	18. MG/L
Sample Collected: Chemical:	10-AUG-16 NITRATE (AS N)	Findings:	0.68 MG/L

Sample Collected: Chemical:	10-AUG-16 CALCIUM	Findings:	41. MG/L
Sample Collected: Chemical:	10-AUG-16 MAGNESIUM	Findings:	8. MG/L
Sample Collected: Chemical:	10-AUG-16 SODIUM	Findings:	19.6 MG/L
Sample Collected: Chemical:	10-AUG-16 CHLORIDE	Findings:	28. MG/L
Sample Collected: Chemical:	10-AUG-16 SULFATE	Findings:	20.7 MG/L
Sample Collected: Chemical:	10-AUG-16 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.33 MG/L
Sample Collected: Chemical:	10-AUG-16 SILICA	Findings:	18. MG/L
Sample Collected: Chemical:	10-AUG-16 ARSENIC	Findings:	3. UG/L
Sample Collected: Chemical:	10-AUG-16 IRON	Findings:	350. UG/L
Sample Collected: Chemical:	10-AUG-16 SPECIFIC CONDUCTANCE	Findings:	360. US
Sample Collected: Chemical:	10-AUG-16 PH, LABORATORY	Findings:	8.1
Sample Collected: Chemical:	10-AUG-16 ALKALINITY (TOTAL) AS CACO3	Findings:	110. MG/L
Sample Collected: Chemical:	10-AUG-16 BICARBONATE ALKALINITY	Findings:	140. MG/L
Sample Collected: Chemical:	10-AUG-16 NITRATE (AS N)	Findings:	0.64 MG/L
Sample Collected: Chemical:	10-AUG-16 HARDNESS (TOTAL) AS CACO3	Findings:	130. MG/L
Sample Collected: Chemical:	10-AUG-16 CALCIUM	Findings:	40. MG/L
Sample Collected: Chemical:	10-AUG-16 MAGNESIUM	Findings:	7.7 MG/L
Sample Collected: Chemical:	10-AUG-16 SODIUM	Findings:	19. MG/L
Sample Collected: Chemical:	10-AUG-16 POTASSIUM	Findings:	3. MG/L
Sample Collected: Chemical:	10-AUG-16 CHLORIDE	Findings:	27. MG/L
Sample Collected: Chemical:	10-AUG-16 SULFATE	Findings:	19. MG/L
Sample Collected: Chemical:	10-AUG-16 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.32 MG/L

Sample Collected: Chemical:	10-AUG-16 ARSENIC	Findings:	2.4 UG/L
Sample Collected: Chemical:	10-AUG-16 IRON	Findings:	130. UG/L
Sample Collected: Chemical:	10-AUG-16 TOTAL DISSOLVED SOLIDS	Findings:	210. MG/L
Sample Collected: Chemical:	10-AUG-16 LANGELIER INDEX @ 60 C	Findings:	0.85
Sample Collected: Chemical:	10-AUG-16 TURBIDITY, LABORATORY	Findings:	1.3 NTU
Sample Collected: Chemical:	10-AUG-16 AGGRSSIVE INDEX (CORROSIVITY)	Findings:	12.
Sample Collected: Chemical:	10-AUG-16 NITRATE + NITRITE (AS N)	Findings:	0.64 MG/L
Sample Collected: Chemical:	07-SEP-16 TOTAL DISSOLVED SOLIDS	Findings:	220. MG/L

# A2 ESE 0 - 1/8 Mile Higher

CA WELLS 397

W	ater System Information	n:		
	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 CODUAR	TE	
	Organization That Opera	ates 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)	Ū	
	Cample Callestady	12 SED 12	Findingo	220 115
	Sample Collected.		Findings.	320. 03
	Chemical.	SPECIFIC CONDUCTANCE		
	Sample Collected:	12-SEP-13	Findings:	7.4
	Chemical:	PH, LABORATORY		
	Sample Collected	12-SFP-13	Findings <sup>.</sup>	110 MG/I
	Chemical	ALKALINITY (TOTAL) AS CACO3	r manigo.	
	Sample Collected:	12-SEP-13	Findings:	130. MG/L
	Chemical:	BICARBONATE ALKALINITY		

Sample Collected: Chemical:	12-SEP-13 HARDNESS (TOTAL) AS CACO3	Findings:	120. MG/L
Sample Collected: Chemical:	12-SEP-13 CALCIUM	Findings:	34. MG/L
Sample Collected: Chemical:	12-SEP-13 MAGNESIUM	Findings:	7.7 MG/L
Sample Collected: Chemical:	12-SEP-13 SODIUM	Findings:	20. MG/L
Sample Collected: Chemical:	12-SEP-13 POTASSIUM	Findings:	3. MG/L
Sample Collected: Chemical:	12-SEP-13 CHLORIDE	Findings:	16. MG/L
Sample Collected: Chemical:	12-SEP-13 SULFATE	Findings:	18. MG/L
Sample Collected: Chemical:	12-SEP-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	12-SEP-13 TOTAL DISSOLVED SOLIDS	Findings:	190. MG/L
Sample Collected: Chemical:	12-SEP-13 LANGELIER INDEX @ 60 C	Findings:	7.4e-002
Sample Collected: Chemical:	12-SEP-13 NITRATE (AS NO3)	Findings:	2.4 MG/L
Sample Collected: Chemical:	12-SEP-13 CARBON DIOXIDE	Findings:	8500. UG/L
Sample Collected: Chemical:	12-SEP-13 TURBIDITY, LABORATORY	Findings:	0.91 NTU
Sample Collected: Chemical:	12-SEP-13 AGGRSSIVE INDEX (CORROSIVITY)	Findings:	12.
Sample Collected: Chemical:	12-SEP-13 NITRATE + NITRITE (AS N)	Findings:	550. MG/L
Sample Collected: Chemical:	18-SEP-13 CALCIUM	Findings:	33. MG/L
Sample Collected: Chemical:	18-SEP-13 MAGNESIUM	Findings:	8. MG/L
Sample Collected: Chemical:	18-SEP-13 SODIUM	Findings:	21.1 MG/L
Sample Collected: Chemical:	18-SEP-13 CHLORIDE	Findings:	15.3 MG/L
Sample Collected: Chemical:	18-SEP-13 SULFATE	Findings:	17.6 MG/L
Sample Collected: Chemical:	18-SEP-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	18-SEP-13 SILICA	Findings:	15. MG/L

Sample Collected:	1
Chemical:	N
Sample Collected:	0
Chemical:	F
Sample Collected:	0
Chemical:	N
Sample Collected:	1
Chemical:	F
Sample Collected:	1
Chemical:	F
Sample Collected:	1
Chemical:	F
Sample Collected:	1
Chemical:	F
Sample Collected:	1
Chemical:	F
Sample Collected: Chemical:	1
Sample Collected:	1
Chemical:	G
Sample Collected:	2
Chemical:	E
Sample Collected:	2
Chemical:	E

Sample Collected: Chemical:

18-SEP-13 NITRATE (AS NO3)	Findings:	2.36 MG/L	
04-DEC-13 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.27 MG/L	
04-DEC-13 NITRATE (AS NO3)	Findings:	3.9 MG/L	
10-MAR-14 RADIUM 228 COUNTING ERROR	Findings:	0.578 PCI/L	
10-MAR-14 RADIUM 228 MDA95	Findings:	0.2 PCI/L	
10-MAR-14 RA-226 FOR CWS OR TOTAL RA FOI	Findings: R NTNC BY 903.0	7.5e-002 PCI/L	
10-MAR-14 RA-226 OR TOTAL RA BY 903.0 C.E.	Findings:	0.179 PCI/L	
10-MAR-14 RADIUM, TOTAL, MDA95-NTNC ONL	Findings: Y, BY 903.0	0.47 PCI/L	
10-MAR-14 GROSS ALPHA COUNTING ERROR	Findings:	0.732 PCI/L	
10-MAR-14 GROSS ALPHA MDA95	Findings:	1.195 PCI/L	
23-JUN-14 BROMODICHLOROMETHANE (THM)	Findings:	1.2 UG/L	
23-JUN-14 BROMOFORM (THM)	Findings:	3.6 UG/L	
23-JUN-14 DIBROMOCHLOROMETHANE (THM)	Findings:	2.7 UG/L	
23-JUN-14 NITRATE (AS NO3)	Findings:	2.68 MG/L	
03-SEP-14 TOTAL DISSOLVED SOLIDS	Findings:	220. MG/L	
03-DEC-14 NITRATE (AS NO3)	Findings:	3.5 MG/L	
08-SEP-15 TOTAL DISSOLVED SOLIDS	Findings:	210. MG/L	
28-SEP-15 NITRATE (AS N)	Findings:	0.68 MG/L	
28-SEP-15 CALCIUM	Findings:	42. MG/L	
28-SEP-15 MAGNESIUM	Findings:	9. MG/L	
28-SEP-15 SODIUM	Findings:	23.6 MG/L	
28-SEP-15 CHLORIDE	Findings:	35.1 MG/L	
Sample Collected: Chemical:	28-SEP-15 SULFATE	Findings:	19.8 MG/L
--------------------------------	--------------------------------------------	-----------	-----------
Sample Collected: Chemical:	28-SEP-15 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	28-SEP-15 SILICA	Findings:	16. MG/L
Sample Collected: Chemical:	23-JUN-14 CALCIUM	Findings:	39. MG/L
Sample Collected: Chemical:	23-JUN-14 MAGNESIUM	Findings:	8. MG/L
Sample Collected: Chemical:	23-JUN-14 SODIUM	Findings:	21.5 MG/L
Sample Collected: Chemical:	23-JUN-14 CHLORIDE	Findings:	28.2 MG/L
Sample Collected: Chemical:	23-JUN-14 SULFATE	Findings:	19.7 MG/L
Sample Collected: Chemical:	23-JUN-14 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.31 MG/L
Sample Collected: Chemical:	23-JUN-14 SILICA	Findings:	16. MG/L
Sample Collected: Chemical:	07-DEC-15 NITRATE (AS N)	Findings:	0.81 MG/L
Sample Collected: Chemical:	20-JUL-16 NITRATE (AS N)	Findings:	0.8 MG/L
Sample Collected: Chemical:	20-JUL-16 CALCIUM	Findings:	48. MG/L
Sample Collected: Chemical:	20-JUL-16 MAGNESIUM	Findings:	11. MG/L
Sample Collected: Chemical:	20-JUL-16 SODIUM	Findings:	24.2 MG/L
Sample Collected: Chemical:	20-JUL-16 CHLORIDE	Findings:	58.3 MG/L
Sample Collected: Chemical:	20-JUL-16 SULFATE	Findings:	25.2 MG/L
Sample Collected: Chemical:	20-JUL-16 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.26 MG/L
Sample Collected: Chemical:	20-JUL-16 SILICA	Findings:	16. MG/L
Sample Collected: Chemical:	10-AUG-16 SPECIFIC CONDUCTANCE	Findings:	490. US
Sample Collected: Chemical:	10-AUG-16 PH, LABORATORY	Findings:	8.
Sample Collected: Chemical:	10-AUG-16 ALKALINITY (TOTAL) AS CACO3	Findings:	110. MG/L

Sample Collected: Chemical:	10-AUG-16 BICARBONATE ALKALINITY	Findings:	130. MG/L
Sample Collected: Chemical:	10-AUG-16 NITRATE (AS N)	Findings:	0.8 MG/L
Sample Collected: Chemical:	10-AUG-16 HARDNESS (TOTAL) AS CACO3	Findings:	180. MG/L
Sample Collected: Chemical:	10-AUG-16 CALCIUM	Findings:	52. MG/L
Sample Collected: Chemical:	10-AUG-16 MAGNESIUM	Findings:	11. MG/L
Sample Collected: Chemical:	10-AUG-16 SODIUM	Findings:	24. MG/L
Sample Collected: Chemical:	10-AUG-16 POTASSIUM	Findings:	3.5 MG/L
Sample Collected: Chemical:	10-AUG-16 CHLORIDE	Findings:	66. MG/L
Sample Collected: Chemical:	10-AUG-16 SULFATE	Findings:	26. MG/L
Sample Collected: Chemical:	10-AUG-16 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.24 MG/L
Sample Collected: Chemical:	10-AUG-16 TOTAL DISSOLVED SOLIDS	Findings:	300. MG/L
Sample Collected: Chemical:	10-AUG-16 LANGELIER INDEX @ 60 C	Findings:	0.87
Sample Collected: Chemical:	10-AUG-16 CARBON DIOXIDE	Findings:	2100. UG/L
Sample Collected: Chemical:	10-AUG-16 AGGRSSIVE INDEX (CORROSIVITY)	Findings:	12.
Sample Collected: Chemical:	10-AUG-16 NITRATE + NITRITE (AS N)	Findings:	0.8 MG/L
Sample Collected: Chemical:	07-SEP-16 NITRATE (AS N)	Findings:	0.8 MG/L
Sample Collected: Chemical:	07-SEP-16 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	0.18 MG/L

# 3 East 1/4 - 1/2 Mile Higher

Org. Identifier:

Formal name:

Monloc type:

Monloc desc:

Huc code:

Longitude:

USGS-CA USGS California Water Science Center Monloc Identifier: USGS-340758117573501 001N010W31A001S Monloc name: Well Not Reported 18070106 Drainagearea value: Not Reported Not Reported Not Reported Drainagearea Units: Contrib drainagearea: Contrib drainagearea units: Not Reported Latitude: 34.132785 -117.96062 Sourcemap scale: 24000

FED USGS USGS40000141771

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 1/2 - 1 Mile Lower			FED USGS	USGS40000141696
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 ma	р		
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 1/2 - 1 Mile Lower

#### Water System Information:

Prime Station Code:	01N/11W-36L01 S	User ID:
FRDS Number:	1910186006	County:
District Number:	07	Station Type:
Water Type:	Well/Groundwater	Well Status:
Source Lat/Long:	340800.0 1175900.0	Precision:
Source Name:	MOUNTAIN AVENUE	

#### CA WELLS 437

4TH Los Angeles WELL/AMBNT/MUN/INTAKE/SUPPLY Inactive Untreated Undefined

7029

 System Number:
 1910186

 System Name:
 CAL. AMERICAN WATER CO.-DUARTE

 Organization That Operates System:
 2020 HUNTINGTON DRIVE

 SAN MARINO, CA 91108
 SAN MARINO, CA 91108

 Pop Served:
 24666
 Connections:

 Area Served:
 DUARTE

Мар	ID
Direc	tion
Dista	nce

Database EDR ID Number

1 ESE			OIL_GAS	CAOG11000214463
1/2 - 1 Mile				
District nun:	1	Api number:	03720888	
Blm well:	Ν	Redrill can:	Not Reported	
Dryhole:	Υ	Well status:	P	
Operator name:	Union Oil Company of Cali	fornia		
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:	Ν	Hydraulica:	Ν	
Confidenti:	Ν	Spuddate:	Not Reported	
Welldeptha:	0			
Redrillfoo:	0			
Abandonedd:	Not Reported	Completion:	Not Reported	
Directiona:	Unknown	Gissymbol:	PDH	
Site id:	CAOG11000214463			

### 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

#### **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<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database Source: Department of Water Resources Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

#### **OTHER STATE DATABASE INFORMATION**

California Oil and Gas Well Locations Source: Department of Conservation Telephone: 916-323-1779 Oil and Gas well locations in the state.

### RADON

State Database: CA Radon Source: Department of Health Services Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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### **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

FORM-NULL-PVC

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### **GEOCHECK ADDENDUM**

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Physical Setting Source Records Searched	PSGR-1

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

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### 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

TΡ

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	
Source:	

Target Property:

U.S. Geological Survey S U.S. Geological Survey

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Source:

Portions of Photo from:	20140515
Source:	USDA

### 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 E	ELATIVE LEVATION	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	Г,	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
<b>A</b> 8	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	CAWIP	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 ANGELE	SHigher	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	CAWIP	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. HM	S 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. HM	S 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

Target Property Address: 1700 BUSINESS CENTER DRIVE DUARTE, CA 91010

Click on Map ID to see full detail.

### 

MAP			DATABASE ACDONYMS	RELATIVE	DIST (ft. & mi.)
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 H	IISTLower	3653, 0.692, SW

### 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	N/A
	CA VCP Status: No Further Action Facility Id: 71002242	
	CA HIST UST Facility Id: 0000020927	
	CA NPDES	
WOODWARD HRT 1700 BUSINESS CENTER	RCRA-SQG EPA ID:: CAD008503112	CAD008503112
DUARTE, CA 91010	ICIS FRS ID:: 110000476556	
	FINDS Registry ID:: 110000476556	
	ECHO Registry ID: 110000476556	
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	N/A
	CA HIST UST CA FID UST Facility Id: 19000025 Status: A	
	CA HAZNET GEPAID: CAL000382267	
	CA NPDES Facility Status: Active	
	CA WDS	

	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: 000682-100686 Facility ID: 000682-057940 Facility ID: 000682-020114 Facility ID: 008970-000686	N/A
	CA NPDES Facility Status: Terminated	
1700 BUSINESS CENTER 1700 BUSINESS CENTER	CA AST	N/A

DUARTE, CA

### 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
<b>TDH PRECIOUS METAL R</b> 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 Database: LUST REG 4, Date of Go Database: LUST, Date of Governme Status: Completed - Case Closed Facility Id: R-06089 Global Id: T0603704718 Global ID: T0603704718 Status: Case Closed	<b>1713 HUNTINGTON DR E</b> overnment Version: 09/07/2004 ent Version: 03/12/2018	N 1/4 - 1/2 (0.393 mi.)	36	19
CITY OF DUARTE Database: LUST REG 4, Date of Ge Database: LUST, Date of Governme Status: Completed - Case Closed Facility Id: I-14948 Global Id: T0603704232 Global ID: T0603704232 Status: Case Closed	1427 BUENA VISTA ST overnment Version: 09/07/2004 ent Version: 03/12/2018	WNW 1/4 - 1/2 (0.432 mi.)	38	20
JOHN'S FOREIGN CAR R Database: LUST, Date of Governme Status: Open - Inactive Global Id: T0603706372	<b>1405 HUNTINGTON DR</b> ent Version: 03/12/2018	NW 1/4 - 1/2 (0.487 mi.)	39	20
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-4104 Database: LUST REG 4, Date of Go Database: LUST, Date of Governme Status: Completed - Case Closed Facility Id: I-10657 Global Id: T0603703645 Global ID: T0603703645 Status: Case Closed	<b>1815 BUENA VISTA ST</b> overnment Version: 09/07/2004 ent Version: 03/12/2018	WSW 1/4 - 1/2 (0.406 mi.)	37	19

### 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 (0.24		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 14	
PACIFIC SCIENTIFIC - Facility Id: 00000034002	1800 HIGHLAND AVE.	ESE 0 - 1/8 (0.080 mi.)	E20		
MAJESTIC PARTY SALES MAJESTIC PARTY SALES	1857 BUSINESS CTR DR 1857 BUSINESS CENTER	E 1/8 - 1/4 (0.170 mi.) E 1/8 - 1/4 (0.170 mi.)	F26 F27	16 17	

Facility Id: 00000041132				
FEDERICOS BAKERY FEDERICO'S BAKERY Facility Id: 00000046910	1860 EVERGREEN DR 1860 EVERGREEN ST	ENE 1/8 - 1/4 (0.205 mi.) ENE 1/8 - 1/4 (0.205 mi.)	G30 G31	18 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	<b>Page</b> 11	
(FORMERLY) PIONEER E Facility Id: 19001157 Status: I	1801 S HIGHLAND AVE	SSE 0 - 1/8 (0.012 mi.)	B13		
<b>CITY OF HOPE MEDICAL</b> 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 ld: R-06089	1713 HUNTINGTON DR E	N 1/4 - 1/2 (0.393 mi.)	36	19	
CITY OF DUARTE Reg ld: 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	

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	1500 E DUARTE RD	WSW 1/8 - 1/4 (0.224 mi.)	33	18	
EPA ID: CAD066698408					

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.

Address	Direction / Distance	Map ID	Page	
1718 HIGHLAND AVE UN	E 0 - 1/8 (0.022 mi.)	C14	12	
1800 HIGHLAND AVE.	ESE 0 - 1/8 (0.080 mi.)	E20	14	
1802 SANTO DOMINGO A	E 1/8 - 1/4 (0.162 mi.)	F25	16	
1863 BUSINESS CENTER	E 1/8 - 1/4 (0.217 mi.)	H32	18	
	Address 1718 HIGHLAND AVE UN 1800 HIGHLAND AVE. 1802 SANTO DOMINGO A 1863 BUSINESS CENTER	Address         Direction / Distance           1718 HIGHLAND AVE UN         E 0 - 1/8 (0.022 mi.)           1800 HIGHLAND AVE.         ESE 0 - 1/8 (0.080 mi.)           1802 SANTO DOMINGO A         E 1/8 - 1/4 (0.162 mi.)           1863 BUSINESS CENTER         E 1/8 - 1/4 (0.217 mi.)	Address         Direction / Distance         Map ID           1718 HIGHLAND AVE UN         E 0 - 1/8 (0.022 mi.)         C14           1800 HIGHLAND AVE.         ESE 0 - 1/8 (0.080 mi.)         E20           1802 SANTO DOMINGO A         E 1/8 - 1/4 (0.162 mi.)         F25           1863 BUSINESS CENTER         E 1/8 - 1/4 (0.217 mi.)         H32	

	Database(s)	6 CA SWF/LF
	Zip	91019
	Site Address	138 EAST LIVE OK AVENUE
ORPHAN SUMMARY	Site Name	MEST VALLEY BASE - SECURITY PAVING
	EDR ID	S118939173
Count: 1 records.	City	MONROVIA

TC5233268.2s Page 161

### **OVERVIEW MAP - 5233268.2S**



CLIENT: Catlayst Environ CONTACT: Justin Campbell SITE NAME: Duarte Phase I ESA Catlayst Environmnetal Solutions ADDRESS: 1700 Business Center Drive INQUIRY #: 5233268.2s Duarte CA 91010 LAT/LONG: 34.133681 / 117.968927 DATE: March 23, 2018 6:20 pm

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**DETAIL MAP - 5233268.2S** 



Duarte CA 91010

34.133681 / 117.968927

LAT/LONG:

DATE: March 23, 2018 6:21 pm Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

INQUIRY #: 5233268.2s

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	CTS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COF	RRACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	ors list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250	1	1 7 1	0 3 0	NR NR NR	NR NR NR	NR NR NR	1 11 1
Federal institutional con engineering controls re	ntrols / gistries							
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiv	alent NPL							
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiv	alent CERCLIS	5						
CA ENVIROSTOR	1.000	1	0	0	0	3	NR	4
State and tribal landfill a solid waste disposal sit	and/or te lists							
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	lists						
CA LUST	0.500		0	0	4	NR	NR	4

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST CA SLIC	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal register	ed storage tai	nk lists						
FEMA UST CA UST CA AST INDIAN UST	0.250 0.250 0.250 0.250	2	0 1 1 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 1 3 0
State and tribal voluntar	y cleanup sit	es						
CA VCP INDIAN VCP	0.500 0.500	1	0 0	0 0	0 0	NR NR	NR NR	1 0
State and tribal Brownfi	elds sites							
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
CA WMUDS/SWAT CA SWRCY CA HAULERS INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0 0	0 0 NR 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
CA AOCONCERN US HIST CDL CA HIST Cal-Sites CA SCH CA CDL CA Toxic Pits US CDL	1.000 0.001 1.000 0.250 0.001 1.000 0.001		0 0 0 0 0 0	0 NR 0 0 NR 0 NR	0 NR 0 NR 0 NR	0 NR 0 NR 0 NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registere	d Storage Tai	nks						
CA SWEEPS UST CA HIST UST CA FID UST	0.250 0.250 0.250	1 2 1	2 3 2	2 4 0	NR NR NR	NR NR NR	NR NR NR	5 9 3
Local Land Records								
CA LIENS LIENS 2 CA DEED	0.001 0.001 0.500		0 0 0	NR NR 0	NR NR 0	NR NR NR	NR NR NR	0 0 0

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 F	Release Repo	orts						
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CALDS	0.001		0	NR	NR	NR	NR	0
CAMCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Rec	ords							
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
FIIS	0.001		0	NR	NR	NR	NR	0
MLIS	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
	0.001		0	NR	NR	NR		0
	0.001		0			NR		0
	0.001		0					0
DUTUPS	0.001		0			NR		0
	1.000		0					0
	1 000		0					0
	0.500		0	0	0		NR	0
LEAD SMELTERS	0.000		0	NR		NR	NR	0
	0.001		0	NR	NR	NR	NR	0
	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		Ő	NR	NR	NR	NR	õ
FINDS	0.001	1	0	NR	NR	NR	NR	1
	1 000		Õ	0	0	0	NR	Ö
DOCKET HWC	0.001		Ő	NR	NR	NR	NR	õ
FCHO	0.001	1	Õ	NR	NR	NR	NR	1
FUELS PROGRAM	0.250	•	õ	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		õ	õ	0	0	NR	õ
CA Cortese	0.500		õ	õ	õ	NR	NR	õ
CA CUPA Listings	0.250		õ	õ	NR	NR	NR	õ
CA DRYCLEANERS	0.250		õ	õ	NR	NR	NR	õ
CA EMI	0.001	1	Õ	NR	NR	NR	NR	1

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. H	MS0.001	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
CANPDES	0.001	4	0	NR	NR	NR	NR	4
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CAPROC	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
	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CAWDS	0.001	1	0	NR	NR	NR	NR	1
CAWIP	0.250	1	2	2	NR	NR	NR	5
EDR HIGH RISK HISTORICA	L 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 GOVERN	MENT ARCHIV	VES						
Exclusive Recovered Go	vt. Archives							
CARGALE	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		Ő	NR	NR	NR	NR	Ő
- 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		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
A1 Target Property	FORMER GE AVIATION SYS 1700 BUSINESS CENTER DI DUARTE, CA 91010	TEMS RIVE	CA ENVIROSTOR CA VCP CA HIST UST CA NPDES	U001566475 N/A
Actual: 486 ft.	Click here for full text deta CA ENVIROSTOR Facility Id: 71002242 Status: No Further Action	<u>ls</u>		
	<b>CA VCP</b> Facility Id: 71002242 Status: No Further Action			
	CA HIST UST Facility Id: 00000020927			
A2 Target Property	WOODWARD HRT 1700 BUSINESS CENTER DI DUARTE, CA 91010	8	RCRA-SQG ICIS FINDS ECHO	1000385001 CAD008503112
Actual: 486 ft.	Click here for full text deta RCRA-SQG EPA Id: CAD008503112	<u>ls</u>		
	ICIS FRS ID:: 110000476556			
	FINDS Registry ID:: 110000476556	i		
	ECHO Registry ID: 110000476556			
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 deta CA EMI Facility Id: 44777	<u>ls</u>		

Map ID		MAP FINDINGS			
Direction Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
A4 Target Property	DOWTY AEROSPACE LOS A 1700 BUSINESS CENTER D DUARTE, CA 91010	ANGELES R		CA HAZNET CA NPDES	S112999527 N/A
Actual: 486 ft.	Click here for full text deta	<u>ils</u>			
A5 Target Property	SMITHS AEROSPACE ACTU 1700 BUSINESS CENTER D DUARTE, CA 91010	IATION R	CA	SWEEPS UST CA HIST UST CA FID UST CA HAZNET CA NPDES	1000353954 N/A
Actual: 486 ft.	Click here for full text deta	il <u>s</u>		CA WDS CA WIP	
	CA SWEEPS UST Status: A Comp Number: 686				
	<b>CA FID UST</b> Status: A Facility Id: 19000025				
	CA HAZNET GEPAID: CAL000382267				
	<b>CA NPDES</b> Facility Status: Active				
	<b>CA WDS</b> Facility Id: 4 19I016617 Facility Status: Active - Any	facility with a continuous or seasonal discharge	that is under W	aste Discharge F	Requirements.
A6 Target Property	SMITHS AEROSPACE ACTU 1700 BUSINESS CENTER D DUARTE, CA 91010	IATION SYS R	CA LOS ANGE	ELES CO. HMS	S108240050 N/A
Actual: 486 ft.	Click here for full text deta CA LOS ANGELES CO. HMS Facility ID: 000682-047499 Facility Status: Closed	ils ;			

Map ID Direction			MAP FINDINGS			
Distance Elevation	Site				Database(s)	EDR ID Number EPA ID Number
A7 Target Property	SMITHS AEROSPACE ACTU 1700 BUSINESS CENTER D DUARTE, CA 91010	ATION SYS		CA LOS	ANGELES CO. HMS	S105193546 N/A
Actual:	Click here for full text deta	ls				
486 ft.	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	HYDRAULIC UNITS INC (CL 1700 BUSINESS CENTER D DUARTE, CA 91010	DSED) R		CA LOS	CA AST ANGELES CO. HMS CA NPDES	S105034012 N/A
Actual: 486 ft.	Click here for full text deta CA LOS ANGELES CO. HMS Facility ID: 000682-100686 Facility ID: 000682-057940 Facility ID: 000682-020114 Facility ID: 008970-000686 Facility Status: Permit Facility Status: OPEN Facility Status: Removed	<u>Is</u>				
	CA NPDES Facility Status: Terminated					
A9 Target Property	1700 BUSINESS CENTER D DUARTE, CA	R			CA AST	A100344616 N/A
Actual: 486 ft.	Click here for full text deta	<u>ls</u>				
B10 SSE < 1/8 0.012 mi. 63 ft.	HOLMES BODY SHOP INC 1801 HIGHLAND AVE DUARTE, CA 91010			CA LOS	RCRA-SQG FINDS ECHO ANGELES CO. HMS	1000298574 CAD097032882
Relative: Lower	Click here for full text deta RCRA-SQG EPA ld: CAD097032882	<u>ls</u>				
	FINDS Registry ID:: 11000266534 Registry ID:: 11001164861	) 3				

Database(s)

EDR ID Number EPA ID Number

	HOLMES BODY SHOP INC (Continued)			1000298574
	ECHO Registry ID: 110002665349			
	CA LOS ANGELES CO. HMS Facility ID: 006007-108964 Facility ID: 006007-108973 Facility ID: 006007-008964 Facility Status: Closed Facility Status: Removed Facility Status: OPEN			
B11 SSE < 1/8 0.012 mi.	PIONEER ELECTRONICS INC 1801 HIGHLAND AVE DUARTE, CA 91010	CA H	IIST UST	U001566483 N/A
63 ft. Relative: Lower	Click here for full text details CA HIST UST Facility Id: 00000020936			
B12 SSE < 1/8 0.012 mi.	PIONEER ELECTRONICS TECH 1801 HIGHLAND AVE DUARTE, CA 91010	CA SWEI CA LOS ANGELES (	EPS UST CO. HMS	S105034013 N/A
63 ft. Relative: Lower	Click here for full text details CA SWEEPS UST Comp Number: 6221			
	CA LOS ANGELES CO. HMS Facility ID: 006007-006221 Facility ID: 006007-106221 Facility Status: Removed Facility Status: Closed			
B13 SSE < 1/8 0.012 mi. 63 ft.	(FORMERLY) PIONEER ELECTRONICS 1801 S HIGHLAND AVE DUARTE, CA 91010	CA	FID UST	S101582711 N/A
Relative: Lower	Click here for full text details CA FID UST Status: I Facility Id: 19001157			

Click here for full text details **Relative:** 

### Higher

**RCRA-SQG** EPA Id: CAD983660770

### FINDS

Registry ID:: 110009550798

### ECHO

Registry ID: 110009550798

#### C15 HOLMES BODY SHOP DUARTE INC East

### **1718 HIGHLAND AVE**

< 1/8 DUARTE, CA 91010 0.022 mi.

115 ft.

#### **Click here for full text details**

#### **Relative:** Higher

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 **FIBRWRAP CONSTRUCTION INC** North

### **1710 EVERGREEN STREET**

**DUARTE, CA 91702** 0.057 mi.

### Click here for full text details

#### Higher RCRA-CESQG

< 1/8

303 ft.

**Relative:** 

EPA Id: CAR000130260

RCRA-SQG	10
FINDS	C
ECHO	
CA LOS ANGELES CO. HMS	

00685944 AD983629106

RCRA-CESQG 1008402359 CAR000130260

Map ID		MAP	FINDINGS		
Direction Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
D17 ENE < 1/8 0.066 mi. 348 ft.	RAIN BIRD CONSUMER PRO 1750 EVERGREEN DUARTE, CA 91010	DD MFG CORP		RCRA-SQG FINDS ECHO	1000304163 CAD098601685
Relative: Higher	Click here for full text deta RCRA-SQG EPA Id: CAD098601685	ils			
	FINDS Registry ID:: 110002665893	3			
	ECHO Registry ID: 110002665893				
D18 ENE < 1/8 0.071 mi. 374 ft	DISCOPY LABS INC 1848 EVERGREEN AVE DUARTE, CA 91010			RCRA-SQG FINDS ECHO	1000395284 CAD982518052
Relative: Higher	Click here for full text deta RCRA-SQG EPA Id: CAD982518052	ils			
	FINDS Registry ID:: 110002839610	5			
	ECHO Registry ID: 110002839616				
19 East < 1/8 0.073 mi.	SARI ART AND PRINTING 1803 BUSINESS CENTER D DUARTE, CA 91010	2		RCRA-SQG FINDS ECHO CA HAZNET	1004677140 CAR000093666
386 π. Relative: Higher	Click here for full text deta RCRA-SQG EPA Id: CAR000093666	ils			
	FINDS Registry ID:: 11001224348	3			
	ECHO Registry ID: 110012243483				

CA HAZNET

GEPAID: CAR000093666

MAP FINDINGS

Database(s)

CA HIST UST

CA HAZNET

**CA NPDES** 

CA WDS

CA WIP

CA EMI

EDR ID Number EPA ID Number

U001566474

N/A

### E20 PACIFIC SCIENTIFIC - HTL DIVIS

 ESE
 1800 HIGHLAND AVE.

 < 1/8</td>
 DUARTE, CA 91010

0.080 mi. 420 ft.

### Click here for full text details

Relative: Higher

### 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 191009090 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

### E21 PACIFIC SCIENTIFIC

### ESE 1800 HIGHLAND AVE

< 1/8 DUARTE, CA 91010 0.080 mi.

420 ft.

### **Click here for full text details**

#### Relative: Higher

RCRA-SQG EPA Id: CAD056444656

### FINDS

Registry ID:: 110000476565

### ECHO

Registry ID: 110000476565

# 22 CITY OF HOPE MEDICAL CENTER WSW 1500 E DUARTE RD < 1/8</td> DUARTE, CA 91010 0.086 mi. 452 ft.

Relative: Lower FINDS CAD056444656 ECHO

1000101327

RCRA-SQG

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

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

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 ASSEMBLY AUTOMATION East 1858 BUSINESS CTR DR

East 1858 BUSINESS CTR DR 1/8-1/4 DUARTE, CA 91010 0.154 mi.

### Click here for full text details

Relative: Higher

813 ft.

RCRA-SQG

EPA Id: CAD983662644

FINDS

RCRA-SQG 1000820230 FINDS CAD983662644 ECHO CA HAZNET
Map ID Direction		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
	ASSEMBLY AUTOMATION Registry ID:: 11000289508	(Continued) 3		1000820230
	ECHO Registry ID: 110002895083			
	CA HAZNET GEPAID: CAD983662644			
G24 ENE 1/8-1/4 0.155 mi.	IBIS SYSTEMS INC 1850 EVERGEEN DR DUARTE, CA 91010	R	CRA NonGen / NLR FINDS ECHO	1000376024 CAD981685977
820 ft. Relative: Higher	Click here for full text deta RCRA NonGen / NLR EPA ld: CAD981685977	<u>ils</u>		
	FINDS Registry ID:: 11000275242	3		
	ECHO Registry ID: 110002752423			
F25 East 1/8-1/4 0.162 mi.	OCCUPANT 1802 SANTO DOMINGO AVI DUARTE, CA 91010	Ξ	CA WIP	S106765114 N/A
858 ft. Relative: Higher	Click here for full text deta	ils		
F26 East 1/8-1/4 0.170 mi.	MAJESTIC PARTY SALES II 1857 BUSINESS CTR DR DUARTE, CA 91010	NC	CA HIST UST	S118412626 N/A
Delether	Click here for full text deta	ils		

-

L.

Relative: Higher

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
F27 East 1/8-1/4 0.170 mi. 897 ft	MAJESTIC PARTY SALES, INC. 1857 BUSINESS CENTER DR DUARTE, CA 91010		CA HIST UST	U001566479 N/A
Relative: Higher	Click here for full text details CA HIST UST Facility Id: 00000041132			
G28 ENE 1/8-1/4 0.174 mi. 920 ft	APPLE GRAPHICS INC 1858 EVERGREEN ST DUARTE, CA 91010	CALOS	RCRA-SQG FINDS ECHO CA HAZNET ANGELES CO. HMS	1001201414 CAR000020669
920 ft. Relative: Higher	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.	DUARTE NISSAN 1440 CENTRAL DUARTE, CA		CA SWEEPS UST	S106925551 N/A
951 ft. Relative: Lower	Click here for full text details CA SWEEPS UST Status: A Tank Status: A Comp Number: 14079			

Map ID Direction	L	MAP FIND	INGS		
Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
G30 ENE 1/8-1/4 0.205 mi. 1083 ft. Relative: Higher	FEDERICOS BAKERY 1860 EVERGREEN DR DUARTE, CA 91010 <u>Click here for full text details</u>			CA HIST UST	S118410032 N/A
G31 ENE 1/8-1/4 0.205 mi. 1083 ft. Relative: Higher	FEDERICO'S BAKERY 1860 EVERGREEN ST DUARTE, CA 91010 <u>Click here for full text details</u> CA HIST UST Facility Id: 00000046910			CA HIST UST	U001566469 N/A
H32 East 1/8-1/4 0.217 mi. 1145 ft. Relative: Higher	HOFFMAN EDUCATIONAL SY 1863 BUSINESS CENTER DR DUARTE, CA 91010 <u>Click here for full text details</u>	STEM		CA WIP	S106765134 N/A
33 WSW 1/8-1/4 0.224 mi. 1185 ft. Relative: Lower	HOPE CITY OF MEDICAL CEN 1500 E DUARTE RD DUARTE, CA 91010 Click here for full text details NY MANIFEST EPA ID: CAD066698408	TER		NY MANIFEST	S120956885 N/A
34 NNE 1/8-1/4 0.240 mi. 1268 ft. Relative: Higher	FREDRICKS DEVELOPMENT 1315 HIGHLAND AVE DUARTE, CA Click here for full text details CA SWEEPS UST Status: A Comp Number: 12449	CORP		CA SWEEPS UST	S106926450 N/A

Map ID Direction		MAP F	INDINGS		
Distance Elevation	Site			Database(s)	EDR ID Number EPA ID Number
H35 ENE 1/8-1/4 0.240 mi. 1268 ft.	CUSTOMATION IND ARTS 1956 E EVERGREEN AVE DUARTE, CA 91010			RCRA-SQG FINDS ECHO	1000415983 CAD053855086
Relative: Higher	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	DUARTE AUTO CENTER 1713 HUNTINGTON DR E DUARTE, CA 91010		CA LOS	CA LUST CA HIST CORTESE ANGELES CO. HMS	S102058082 N/A
2076 ft. Relative: Higher	Click here for full text details CA LUST Status: Case Closed Status: Completed - Case Clo Facility Id: R-06089 Global Id: T0603704718 Global ID: T0603704718	sed			
	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	CHEVRON #9-4104 1815 BUENA VISTA ST DUARTE, CA 91010			CA LUST CA HIST CORTESE	S102427244 N/A
Relative: Lower	Click here for full text details CA LUST Status: Case Closed Status: Completed - Case Clo Facility Id: I-10657 Global Id: T0603703645 Global ID: T0603703645	sed			

CA HIST CORTESE

Reg Id: I-10657

Map ID Direction Distance Elevation Site

# Database(s)

EDR ID Number **EPA ID Number** 

#### 38 **CITY OF DUARTE**

WNW 1427 BUENA VISTA ST 1/4-1/2 DUARTE, CA 91010 0.432 mi.

2282 ft.

**Relative:** Higher

# **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 JOHN'S FOREIGN CAR REPAIR NW 1405 HUNTINGTON DR 1/4-1/2 DUARTE, CA 91010

0.487 mi. 2571 ft.

### **Click here for full text details**

**Relative:** Higher

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 FORMER LERNER'S GAS STATION NE **2107 HUNTINGTON DRIVE** 1/2-1 DUARTE, CA 91010

0.573 mi. 3028 ft.

**Relative:** Higher

# Click here for full text details

**CA ENVIROSTOR** Facility Id: 70000050 Status: Refer: Local Agency

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

CA LUST CA HIST UST N/A CA LOS ANGELES CO. HMS

U001566477

CA ENVIROSTOR S107736333 N/A

Map ID Direction	MAP FINDINGS		
Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
41 ENE 1/2-1 0.658 mi.	TDH PRECIOUS METAL REFINERY/TDH GOLD 2300 E CENTRAL AVE DUARTE, CA 91010	CA ENVIROSTOR LA Co. Site Mitigation	S110494366 N/A
Relative: Higher	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.	SOUTHWEST PRODUCTIONS CO 2240 BUENA VISTA IRWINDALE, CA 91706	RCRA-SQG CA ENVIROSTOR CA LUST CA VCP CA HIST UST FINDS	1000411027 CAD981992498

Relative: Lower

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

ECHO

CA EMI

CA HIST CORTESE LA Co. Site Mitigation MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# SOUTHWEST PRODUCTIONS CO (Continued)

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

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
ĊA	ICE	ICE	Department of Toxic Subsances Control	11/20/2017	11/20/2017	12/27/2017
СА	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	03/12/2018	03/14/2018	03/21/2018
СА	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	11/30/2017	12/01/2017	01/11/2018
ĊA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
СА	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
СА	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
СА	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
СА	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
СА	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
СА	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
СА	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
ĊA	MINES	Mines Site Location Listing	Department of Conservation	12/11/2017	12/12/2017	01/12/2018
СА	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	RGALF	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
СА	SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/12/2018	03/14/2018	03/21/2018
		· /				

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

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	FPA Region 5	04/26/2017	07/27/2017	10/13/2017
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	FPA 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		Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
us		Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
us	INDIAN LIST R1	Underground Storage Tanks on Indian Land	EPA Region 1	04/14/2017	07/27/2017	10/06/2017
us	INDIAN LIST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/25/2017	07/27/2017	10/13/2017
		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
		Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	12/08/2017
		Underground Storage Tanks on Indian Land	EPA Region 7	05/02/2017	07/27/2017	10/06/2017
		Underground Storage Tanks on Indian Land	EPA Region 8	05/01/2017	07/27/2017	10/00/2017
		Underground Storage Tanks on Indian Land	EPA Region 9	04/13/2017	07/27/2017	10/13/2017
		Voluntary Cleanup Priority Listing	EPA Region 1	07/27/2015	09/29/2015	02/18/2016
		Voluntary Cleanup Priority Listing	EPA Region 7	03/20/2008	03/23/2013	05/19/2018
		Lead Smelter Sites	Environmental Protection Agency	03/20/2000	02/06/2018	03/02/2018
200		Lead Smelter Sites	American Journal of Public Health	01/05/2010	10/27/2010	12/02/2010
119		CERCLA Lien Information	Environmental Protection Agency	12/11/2017	12/22/2017	01/12/2018
119		Land Lise Control Information System	Department of the Navy	05/22/2017	06/13/2017	00/15/2010
	MITS	Matorial Liconsing Tracking System	Nuclear Populatory Commission	08/20/2016	00/13/2011	10/21/2016
119	NDI	National Priority List		12/11/2017	12/22/2017	01/05/2018
119		Federal Superfund Liens	EDA	10/15/1001	02/02/100/	01/03/2010
		Open Dump Inventory	EI A	06/30/1085	02/02/1994	00/17/2004
119		PCB Activity Database System		06/01/2017	06/09/2004	10/13/2017
110		PCB Activity Database System	EFA Environmental Protection Agency	05/24/2017	11/20/2017	10/15/2017
110		Pob Transionnel Registration Database		10/25/2013	10/17/2017	12/13/2017
110	Proposed NPI	Proposed National Priority List Sites		10/23/2013	10/17/2014	01/05/2019
		PCPA Administrative Action Tracking System		04/17/1005	07/03/1005	01/03/2010
110		Rediction Information Database	EFA Environmental Protection Agency	10/02/2017	10/05/2017	10/13/2017
110	RCPA NonCon / NI P	PCPA Non Concreters / No Longer Regulated	Environmental Protection Agency	10/02/2017	10/03/2017	02/00/2018
110		CONT - NON GENERATIONS / NO LONGER REGulated		12/11/2017	12/20/2017	02/09/2010
03		RORA - Conditionally Exemptional Quantity Generators		12/11/2017	12/20/2017	02/09/2018
110		PCPA Small Quantity Concreters	Environmental Protection Agency	12/11/2017	12/20/2017	02/09/2010
110		PCPA Tratmont Storage and Dispessel	Environmental Protection Agency	12/11/2017	12/20/2017	02/09/2010
US	NONA-13DF	Nonx - mealment, storage and Disposal	Environmental Protection Agency	12/11/2017	12/20/2017	02/09/2010

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
CI		Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	01/03/2018	02/14/2018	03/22/2018
NJ	NJMANIFEST	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	PAMANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	07/25/2017	09/25/2017
RI	RIMANIFESI	Manifest information	Department of Environmental Management	12/31/2013	06/19/2015	07/15/2015
VVI	WIMANIFESI	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			
05		Notional Wetlands Inventory	Emergency Management Agency (FEMA)			
05	INVVI Otata Miatlanda	National Wetlands Inventory	U.S. FISH and Wildlife Service			
CA		weilang inventory	Department of FISN & Game			
05	i opographic Map		U.S. Geological Survey			
05	Oli/Gas Pipelines	<u>)</u>	Pennivell Corporation			
05	Electric Power Transmission Line L	Jata	Pennyveii Corporation			

St Acronym

Full Name

Government Agency

### STREET AND ADDRESS INFORMATION

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# **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:

- Groundwater flow direction, and
  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.

# **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.

# 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	
<u>NWI Quad at Target Property</u> AZUSA	<u>Data Coverage</u> 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 Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

### **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**

### **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic Catego	ry: Stratifed Sequence
System:	Quaternary	
Series:	Quaternary	
Code:	Q (decoded above as Era, System & Series)	

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.

a hydric soil.

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
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
Boundary Classification				ication			
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

# 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	<del>398</del>	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

		LOCATION
MAP ID	WELL ID	FROM TP
1	CAOG11000214463	1/2 - 1 Mile ESE

# **PHYSICAL SETTING SOURCE MAP - 5233268.2s**



	SITE NAME: ADDRESS: LAT/LONG:	Duarte Phase I ESA 1700 Business Center Drive Duarte CA 91010 34.133681 / 117.968927	CLIENT: CONTACT: INQUIRY #: DATE:	Catlayst Environmnetal Solutions Justin Campbell 5233268.2s March 23, 2018 6:22 pm
Copyright @ 2018 EDB_line @ 2015 TomTom Ref_2015				

# **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<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database Source: Department of Water Resources Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

### **OTHER STATE DATABASE INFORMATION**

California Oil and Gas Well Locations Source: Department of Conservation Telephone: 916-323-1779 Oil and Gas well locations in the state.

### RADON

State Database: CA Radon Source: Department of Health Services Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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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

# Site Name:

Duarte Phase I ESA 1700 Business Center Drive Duarte, CA 91010 EDR Inquiry # 5233268.3 Catlayst Environmnetal Solutions 315 Montana Ave Apt 311 Santa Monica, CA 90403 Contact: Justin Campbell

Client Name:



03/23/18

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 o	f Congress
-----------	------------

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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# **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**



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	Client Name: Catlayst Environmnetal 315 Montana Ave Apt 311 Santa Monica, CA 90403	
EDR Inquiry # 5255200.0 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).

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# 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.





# **Duarte Phase I ESA**

1700 Business Center Drive Duarte, CA 91010

Inquiry Number: 5233268.5 March 23, 2018

# The EDR-City Directory Abstract



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

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**City Directory Images** 

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

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# **EXECUTIVE SUMMARY**

# DESCRIPTION

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

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

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

# **RECORD SOURCES**

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

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# **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	EDR Digital Archive	-	х	Х	-
	EDR Digital Archive	Х	х	Х	-
2010	EDR Digital Archive	-	х	Х	-
	EDR Digital Archive	Х	х	Х	-
2006	Haines Company	Х	х	Х	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines	-	-	-	-
1999	Haines Company	Х	х	Х	-
1996	GTE	-	-	-	-
1995	Pacific Bell	Х	х	Х	-

# **EXECUTIVE SUMMARY**

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	х	Х	-
1990	PACIFIC BELL WHITE PAGES	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	Х	х	Х	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	х	Х	-
1976	Pacific Telephone	-	х	Х	-
1975	Pacific Telephone	-	х	Х	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	х	Х	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	х	Х	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	х	Х	-
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	-	х	Х	-
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.	-	х	Х	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	Х	Х	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-

# **EXECUTIVE SUMMARY**

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	х	х	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	х	Х	-
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.	-	х	Х	-
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	COMTECTELINC	Haines Company

# **Business Center Dr**

# 1715 Business Center Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	STUDIO LILICA	EDR Digital Archive
2010	<b>BEST MACHINERY &amp; ELECTRICAL</b>	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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ELEGANT	Haines Company
	GARDENING	Haines Company
	DECORATION	Haines Company
1999	XXXX	Haines Company

# **Business Center Dr**

# 1725 Business Center Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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
### **BUSINESS CENTER DR**

#### 1725 BUSINESS CENTER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	QUALITY PRECISION CLEANING	EDR Digital Archive

#### **BUSINESS CENTER DR**

#### 1735 BUSINESS CENTER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	BARKER METAL PRODUCTS BUSINESS CENTER DR DUARTE	Pacific Telephone

#### **CENTRAL AVE**

#### 1657 CENTRAL AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	LEE ASA C	Pacific Telephone
1957	LEE ASA C R	Pacific Telephone
1950	LEE ASA C R	Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LEE ASA C R	Pacific Telephone
1741 CE	NTRAL AVE	
<u>Year</u>	<u>Uses</u>	Source
1966	HARDESTY GEO L	Pacific Telephone
DENNIN	IG AVE	
1503 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1960	BANKS ROY C	Pacific Telephone
1957	BANKS ROY C	Pacific Telephone
1509 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	Source
1960	RODRIGUEZ PABLO T	Pacific Telephone
1957	FENTON HARRY M JR R	Pacific Telephone
1515 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BAKER ROSE M	Pacific Telephone
1957	BAKER ROSE M	Pacific Telephone
1518 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HOLLAND EDWIN	Pacific Telephone
1957	LOEFFEL PAUL	Pacific Telephone
1521 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	ALLEN ROBT W	Pacific Telephone
1957	KNIGHT ROSCOE C MRS	Pacific Telephone
	ALLEN ROBT W	Pacific Telephone
1524 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	LOEFFEL PAUL	Pacific Telephone
1527 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	BRISCH WALTER F	Pacific Telephone

#### 1539 DENNING AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BALLINL	Haines Company
1999	SERRANO Gaberial	Haines Company
1995	l Serrano Gabriel	Pacific Bell
1960	GONZALES PATRICIA	Pacific Telephone
1957	COXON BRUCE G	Pacific Telephone
1540 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	BOULDEN JAS R	Pacific Telephone
1602 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	HALL MICHAEL	Pacific Telephone
1603 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AVISO Oscar	Haines Company
1960	BOTHE BILL A	Pacific Telephone
1957	BOTHE BILL A	Pacific Telephone
1609 DE	NNING AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o VILLALOBOS Marlin	Haines Company
1966	HARRIS LEE W	Pacific Telephone
1957	HARRIS LEE W	Pacific Telephone

### Denning Ave

#### 1615 Denning Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	RYEVAL COMPUTER SERVICES	EDR Digital Archive
	BAUL ELECTRIC	EDR Digital Archive
2010	RYEVAL COMPUTER SERVICES	EDR Digital Archive

#### **DENNING AVE**

#### 1615 DENNING AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PAJARILLAGA	Haines Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ARMSTRONG ENGINEERING INC	EDR Digital Archive
2010	ARMSTRONG ENGINEERING INC	EDR Digital Archive

#### **EVERGREEN ST**

#### 1700 EVERGREEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ENGRG	Haines Company
	ARMSTRONG	Haines Company

#### Evergreen St

#### 1710 Evergreen St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PLAIN TRUTH MINISTRIES	EDR Digital Archive
2010	PLAIN TRUTH MINISTRIES	EDR Digital Archive

#### EVERGREEN ST

#### 1710 EVERGREEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FIBRWRAP	Haines Company
	FILTRATION	Haines Company
	CONSTRUCTION INC ISLANDAIR	Haines Company

#### 1720 EVERGREEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FORTUNE PACIFIC	Haines Company
	INTL CO	Haines Company

#### 1730 EVERGREEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AMERADHESIVES	Haines Company
1740 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SERVICE	Haines Company
	INCORPORATED	Haines Company
	BFCFORMS	Haines Company
1780 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	DEPOTINC SUNBEST	Haines Company
	POWERADAPTER	Haines Company
	TRANSPACIFIC	Haines Company
1804 EVE	RGREEN ST	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ТЕАМТОО	Haines Company
<u>FAIRDAL</u>	<u>E AVE</u>	
1502 FAIR	DALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	JAMISON THEE W	Pacific Telephone
1957	JAMISON THEO W	Pacific Telephone
1508 FAIR	DALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	FORD EDMUND L	Pacific Telephone
1957	FORD EDMUND L	Pacific Telephone
1514 FAIR	DALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HANNIGAN JAS J MRS	Pacific Telephone
1520 FAIR	DALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	MARSHALL CLAIRE L	Pacific Telephone

#### 1526 FAIRDALE AVE

<u>Year</u>	Uses	<u>Source</u>
1960	HUGHES BURTON D	Pacific Telephone
1538 FAII	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 FAI	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	JOHNSON LORI FAIRDALE AVE DUARTE	Pacific Telephone
	JOHNSON BURT FAIRDALE AVE DUARTE	Pacific Telephone
1610 FAI	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	GONZALES AUGUSTINE FAIRDALE AVE DUARTE	Pacific Telephone
1611 FAI	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HERKNER GARY R FAIRDALE AVE DUARTE	Pacific Telephone
1617 FAI	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	WEIR DANL	Pacific Bell
1980	WEIR DANL FAIRDALE AVE DUARTE	Pacific Telephone
1636 FAI	RDALE AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	CHAIDEZ OCTAVIO FAIRDALE AVE DUARTE	Pacific Telephone

#### 1640 FAIRDALE AVE

1950

HOLMBERG R K R DURATE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MARTINEZ PEDRO FAIRDALE AVE DUARTE	Pacific Telephone
GLENFC	ORD AVE	
1502 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	KELLY ROBT E	Pacific Telephone
1957	KELLY ROBT E	Pacific Telephone
1503 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HOLLAND WM E	Pacific Telephone
1508 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	CARMONA EUGENIO DUARTE	Pacific Telephone
1957	CARMONA EUGENIO	Pacific Telephone
1509 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	SCHIPPER WM	Pacific Telephone
1514 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BARTKOWSKI EDWIN	Pacific Telephone
1515 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	ANDERSON OMER H JR	Pacific Telephone
1520 GLENFORD AVE		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	ROBISON STEVEN	Pacific Telephone
1527 GLE	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HOLMBERG R K	Pacific Telephone
1957	HOLMBERG R K R	Pacific Telephone

Pacific Telephone

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	HOLMBERG R K R DURATE	Pacific Telephone
1532 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	CASKEY H T	Pacific Telephone
1957	CASKEY H T	Pacific Telephone
1533 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	STEWART GLORIA	Pacific Telephone
1538 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	MARVIN CHAS L	Pacific Telephone
1957	MARVIN CHAS L	Pacific Telephone
1539 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	FRISBIE RAYMOND H	Pacific Telephone
1602 GL	ENFORD AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PRECISION ELECTRICAL SYSTEMS	EDR Digital Archive
2010	PRECISION ELECTRICAL SYSTEMS	EDR Digital Archive

#### **GLENFORD AVE**

#### 1603 GLENFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ANDRADEElena	Haines Company
1999	HARMS Ted	Haines Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	OSSORIOSantos	Haines Company
1999	OSSORIO Oscar	Haines Company
1966	WARD JOYCE	Pacific Telephone

#### 1609 GLENFORD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

#### 1615 GLENFORD AVE

<u>Uses</u>	<u>Source</u>
ALCARAZJuan	Haines Company
CLAUDIO JUAN	Pacific Bell
CLAUDIO JUAN GLENFORD AVE DUARTE	Pacific Telephone
SHERMAN JACK T	Pacific Telephone
SHERMAN JACK T	Pacific Telephone
	Uses ALCARAZJuan CLAUDIO JUAN CLAUDIO JUAN GLENFORD AVE DUARTE SHERMAN JACK T SHERMAN JACK T

#### HIGHLAND AVE

#### 1504 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u> Sοι</u>
1985	SOUTHERN CAL BUSINESS SYSTEMS	Pac
	OAKHILL PRESS	Paci

#### 1512 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Sour</u>
1999	CARPET MECHANIC THE	Haine
1985	EWIG INTERNATIONAL INC	Pacifi

#### 1516 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	
2006	J T BROS CO	
1999	JETCRAFT	

#### 1520 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>
2006	ANIDERSEN GOLF
1995	TPR MANUFACTURING INC
	TPR Manufacturing Inc
1985	CRYSTAL CRAFT

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#### <u>Source</u>

Haines Company Haines Company

#### <u>Source</u>

Haines Company Pacific Bell Pacific Bell Pacific Bell

#### 1524 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	IMS	Haines Company
1999	SANITOR CORP	Haines Company

#### Highland Ave

#### 1525 Highland Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GRPRINTING	Haines Company
1995	ADVANCED TECHNICAL TRAINING	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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	PHRASOR SCIENTIFIC	Haines Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	PHRASORSCIENTIFIC INC	Pacific Bell
1985	PHRASOR SCIENTIFIC INC	Pacific Bell
1540 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	ROMERO ELENA	Pacific Telephone
1608 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	HAMMOND ROOFING CO	Pacific Telephone
1612 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	FORD WILLIS R	Pacific Telephone
	FORD WILLIS R	Pacific Telephone
1620 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	SWEET DREAMS	Haines Company
	SEA SWEET INC	Haines Company
	GREENLAND DISTRIBUTION	Haines Company
1706 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BATTS PEARL	Pacific Telephone
1712 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	ROBERSON JOHN D	Pacific Telephone
1718 HIC	GHLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HOLMES BODY	Haines Company
	SHOPINC	Haines Company

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	CENDEJAS BEN	Pacific Telephone
1765 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Dave Dave	Pacific Bell
1766 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Betty Bolton Candy Inc Fredk J Smith sec	Los Angeles Directory Co.
1775 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Scholl Frederic B organist h	Los Angeles Directory Co.
	School F B organist r	Los Angeles Directory Co.
1800 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HTL INDUSTRIES INC AIRCRFT ACCESRS HIGHLAND AVE DUARTE	Pacific Telephone
1801 HIGH	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Holmes Body Shop Inc	Pacific Bell
	а	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 HIGI	HLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	BURNS Wm C h	Los Angeles Directory Co.
1803 HIGI	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
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 HIGI	HLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	CAMPBELL Bert atty r	Los Angeles Directory Co.
1806 HIGI	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	d Auray Jacques photo player h	Los Angeles Directory Co.
1807 HIGI	HLAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	WEST Roland V h	Los Angeles Directory Co.
1812 HIGI	ILAND AVE	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	KELLY Verna M wid J W h	Los Angeles Directory Co.

#### <u>Year</u> <u>Uses</u>

1924 Werz Ella r BERNSTEIN Isadore h

#### 1814 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>
1924	Afee H C h

#### **1816 HIGHLAND AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Wroten Herman P acct U S Fidelity & Guaranty Co h	Los Angeles

#### **1822 HIGHLAND AVE**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Montgomery Juanita	Pacific Telephone
1937	Peckham Roy slsmn	Los Angeles Directory Co.

#### 1824 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1933	Evans Velma M mgr Grace Arms Apts	Los Angeles Directory (
1924	NEWCOMB Theo A slsmn h	Los Angeles Directory (
	MILLER Ruby B h	Los Angeles Directory (
	Mc DONNELL Edith slswmn r	Los Angeles Directory (
	Blystone Stanley mot pict dir h	Los Angeles Directory (
	Curtis Wm S h	Los Angeles Directory (
	De Lacy Robt L h	Los Angeles Directory (
	EVANS V M Miss h	Los Angeles Directory (
	Grace Arms Apartments	Los Angeles Directory (
	HENDERSON Edwin A slsmn Laswell & Grigsby h	Los Angeles Directory (
	KANE Margt M slswmn r	Los Angeles Directory (

#### 1825 HIGHLAND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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.

## <u>Source</u>

Los Angeles Directory Co. Los Angeles Directory Co.

#### <u>Source</u>

Los Angeles Directory Co.

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#### 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

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

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

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

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

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

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	$\begin{array}{l} 2014,\ 2010,\ 2004,\ 2003,\ 2001,\ 2000,\ 1999,\ 1996,\ 1995,\ 1992,\ 1991,\ 1990,\ 1986,\\ 1985,\ 1981,\ 1980,\ 1976,\ 1975,\ 1972,\ 1971,\ 1970,\ 1969,\ 1967,\ 1966,\ 1965,\ 1964,\\ 1963,\ 1962,\ 1961,\ 1960,\ 1958,\ 1957,\ 1956,\ 1955,\ 1954,\ 1952,\ 1951,\ 1950,\ 1949,\\ 1948,\ 1947,\ 1946,\ 1945,\ 1944,\ 1942,\ 1940,\ 1939,\ 1938,\ 1937,\ 1936,\ 1935,\ 1934,\\ 1933,\ 1932,\ 1931,\ 1930,\ 1929,\ 1928,\ 1927,\ 1926,\ 1925,\ 1924,\ 1923,\ 1921,\ 1920 \end{array}$

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

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

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**



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

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# **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 HR	T Inc	
Title received from:	GE Aviation Sy	stems 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 HR	T Inc	
Parcel # / Property Identifier:	8528-011-020		
Comments:	See Exhibit		
ENVIRONMENTAL LIEN			
Environmental Lien:	Found	Not Found	×
OTHER ACTIVITY AND USE LIMITA	TIONS (AULs)		
AULs:	Found	Not Found	×

**Deed Exhibit 1** 

RECORDER MEMO: This COPY is NOT an OFFICIAL RECORD.



RECORDER MEMO: This COPY is NOT an OFFICIAL RECORD.

N BELOW MAIL TAX STATEMENT TO	*20122018522*
Trisha L. Mowbray, Esq.	
Jones Day 77 West Wacker Drive	
Chicago, IL 60601	
)rder No 126084246 - A43 Escrow No	
Grant I	SPACE ABOVE THIS LINE FOR RECORDER'S USE
THE UNDERSIGNED GRANTOR (S) DECLARE (S)	
DOCUMENTARY TRANSFER TA	XISS OFFRECOLD (22)
unincorporated area XCity	of Duarta Similerverv /
Parcel No. 5828-011-0-	20
□ computed on full value of interest	or property conveyed, or of liens or encumbrances remaining at time of sale, and
FOR A VALUABLE CONSIDERATION,	receipt of which is hereby acknowledged,
E Aviation Systems LLC, as successor-in-intere	est to Hydraulic Units. Inc.
	···· <b>,</b> ·····
erchy GRANT(S) to	
voodward ( ints, me.	
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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.

# **Duarte Phase I ESA**

1700 Business Center Drive Duarte, CA 91010

Inquiry Number: 5233268.6 March 23, 2018

# The EDR Property Tax Map Report



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.

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Date Printed: 9/7/2017 7:24:11 AM Date Sevent: 0/7/2017 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

#### Site Name:

#### Client Name:

03/26/18

Duarte Phase I ESA 1700 Business Center Drive Duarte, CA 91010 EDR Inquiry # 5233268.12 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.

Results:		
<u>Scale</u>	Details	Source
1"=500'	Flight Year: 2014	USDA/NAIP
1"=500'	Flight Year: 2010	USDA/NAIP
1"=500'	Flight Year: 2005	USDA/NAIP
1"=500'	Flight Date: May 22, 2002	USDA
1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1"=500'	Flight Date: September 06, 1990	USDA
1"=500'	Flight Date: July 25, 1987	USDA
1"=500'	Flight Date: February 05, 1979	EDR Proprietary Brewster Pacific
1"=500'	Flight Date: April 25, 1977	EDR Proprietary Brewster Pacific
1"=500'	Flight Date: July 28, 1964	USGS
1"=500'	Flight Date: August 03, 1952	USGS
1"=500'	Flight Date: May 06, 1938	USDA
1"=500'	Flight Date: January 01, 1928	USGS
	Results: <u>Scale</u> 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500' 1"=500'	Scale Details   1"=500' Flight Year: 2014   1"=500' Flight Year: 2010   1"=500' Flight Year: 2005   1"=500' Flight Year: 2005   1"=500' Flight Date: May 22, 2002   1"=500' Flight Date: May 22, 2002   1"=500' Flight Date: September 06, 1990   1"=500' Flight Date: September 06, 1990   1"=500' Flight Date: July 25, 1987   1"=500' Flight Date: February 05, 1979   1"=500' Flight Date: April 25, 1977   1"=500' Flight Date: July 28, 1964   1"=500' Flight Date: August 03, 1952   1"=500' Flight Date: May 06, 1938   1"=500' Flight Date: May 06, 1938   1"=500' Flight Date: January 01, 1928

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# 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	Client Name:	

#### te Name:

#### Client Name:

**Duarte Phase I ESA** 1700 Business Center Drive Duarte, CA 91010 EDR Inquiry # 5233268.4

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:		Coordinates:		
P.O.# Project:	440002 Duarte Phase I ESA	Latitude: Longitude: UTM Zone: UTM X Meters: UTM Y Meters:	34.133681 34° 8' 1" North -117.968927 -117° 58' 8" West Zone 11 North 410660.51 3777402.33	
Mana Davidad		Elevation:	486.00' above sea level	
Maps Provided				
2012	1925			
1995	1904			
1972	1898			
1966	1897			
1953	1894			
1939				
1933				
1928				

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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

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

#### **1953 Source Sheets**



Baldwin Park 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



Azusa 1953 7.5-minute, 24000 Aerial Photo Revised 1952

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

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

#### **1894 Source Sheets**



Pomona 1894 15-minute, 62500



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**Historical Topo Map** 

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SITE NAME:Duarte Phase I ESAADDRESS:1700 Business Center Drive<br/>Duarte, CA 91010CLIENT:Catlayst Environmnetal Solutions

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## **Historical Topo Map**



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SITE NAME:	Duarte Phase I ESA
ADDRESS:	1700 Business Center Drive
	Duarte, CA 91010
CLIENT:	Catlayst Environmnetal Solutions



## **Historical Topo Map**





SITE NAME:Duarte Phase I ESAADDRESS:1700 Business Center Drive<br/>Duarte, CA 91010CLIENT:Catlayst Environmnetal Solutions



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## Historical Topo Map







## **Historical Topo Map**





SITE NAME:	Duarte Phase i ESA
ADDRESS:	1700 Business Center Drive
	Duarte, CA 91010
CLIENT:	Catlayst Environmnetal Solutions





## Historical Topo Map





Miles 0.25 0.5 1 1.3 SITE NAME: Duarte Phase I ESA ADDRESS: 1700 Business Center Drive Duarte, CA 91010 CLIENT: Catlayst Environmnetal Solutions











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# 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? 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

Tonk Filo

PROVISIONAL HAZARDOUS MATERIALS UNDERGRUIND 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 121987

PERMISSION IS HEREBY GRANTED UNDER LACC TITLE 11, DIVISION 4 TO:

000494-3R HIDRADLIC UNITS INC DUTID E BUSIMEES CENTER DR DURRTE CA 91810	<pre> &lt;&lt;&lt;&lt;&lt;&lt; FILE NUMBER   &lt;&lt;&lt;&lt;&lt;&lt; PERMITTEE }</pre>
NE CLIPPE E BUSINESS CENTER OR	{ <<<<<< 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 APR 1 0 1987 WASTE MANAGEMENT DIVISION

# PART B — TANK DATA HAZARDOUS MATERIALS UNDERGROUND STORAGE PERMIT NO. 4218

TANK NUMBER	CAPACITY (GALLONS)	CONTENTS
1UL	4,000	Unleaded
2RG	4,000	Regular
3W0	1,000	Waste Oil
4DF	10,000	Diesel
5W0	550	Waste Oil
6DF	3,000	Diesel
8DF	1,000	Diesel
9DF	1,000	Diesel
10L0	5,000	Lube 0il
11WO	1,000	Waste Oil

# AUTHORIZED HAZARDOUS MATERIAL STORAGE TANKS

PP801B 10/86

VOIDED PROJECTS	
FN 00686 PN 0004	-218 R/C 3R
Voided Project VP Date 12/7/	· 8 7
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Facility: Hydraulie Unite In	
Owner	
Address C/D StreetO E	Business Center Dy
Comments Tunks Closed	
Project Finalized By: Whee	
Verified By:	
Copies: I-File, VP File, Field	

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#### HYDRAULIC UNITS, INC.

A SUBSIDIARY OF THE BOBSIDIATION COMPANY

A SUBSIDIANT OF THE LEGAL OUARTER ECOEIVED \$10.05

APR 28 1987

DEPARTMENT OF PUBLIC WORKS ENG.NEERING 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,

sale alimper

Dale Rippey Manager, Facilities

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# County of Los Angeles. DEPARTMENT OF COUNTY ENGINEER-PACILITIES BANITATION DIVISION

UNDERGROUND TANKS

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Contractor AMERICAN SAUR	MAGMANT CLEP Phone To (714 50 014
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HYDRALL IC UNITS THE - I-00686- 3R	· · (B)-MODIFICATION [ ]
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 L	MAP BOOK NO PAGE NO PARCEL NO
OWNER NAMEHYDRAULIC UNITS, INC.	THE THE THREE NO
OWNER ADDRESS 1700 BUSINESS CENTER DRIVE	City DUARTE State CAZia Bloke
FACILITY ADDRESS	City " State " Zip
MAILING ADDRESS	City "State Zip
24 HOUR EMERGENCY CONTACT PERSON:	StateState
DAYS LEE DRUMM	PHONE( 818 )359-9211
NIGHTSFRANK WORLAND	<b>PHONE</b> ( <sup>818</sup> ) 359-9211
PERSON RESPONSIBLE FOR FACILITY MAINTEN	ANCE:
NAMETI	TLE PHONE
BRIEF DESCRIPTION OF BUSINESS MANUFAC	TURING
NUMBER OF TANKS	2 APPLICATION FEE
	STATE SURCHARGE FEE
A COMPLETE PERMIT APPLICATION MUST BE A	CCOMPANIED BY:
*LOS ANGELES COUNTY TANK ASSESSMENT ST *COPY OF HAZARDOUS SUBSTANCE STORAGE *STATE WATER RESOURCE CONTROL BOARD PE *A STATEMENT VERIFYING PRESENT SAFE ST INCLUDE IF AVAILABLE AT TIME OF APPLICAT LEAK DETECTION PROGRAM [ ] TANK MONT	[ATEMENT [ ] OR         STATEMENT AS FILED WITH STATE [ ] OR         STMIT APPLICATION [ ], AND         CORAGE FOR EACH TANK [ ]         STORING PROGRAM [ ]
(IMPORTANT! READ THESE INSTRUCTIONS REE	ORE STONTNO )
THIS FORM HAS BEEN COMPLETED UNDER PENAL AND TO THE BEST OF MY KNOWLEDGE IS TRUE	AND CORRECT.
SIGNATURE OF APPLICANT Dale Comme	TITIF Thankter MIG
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	DAIL <u>7-1-93</u>

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OWNER: MAME
FACILITY:       NAME
CLOSURE REQUESTED: TEMPORARY (REFER TO CONDITIONS & AND B ON BACK OF THIS FORM) EFFECTIVE DATE OF CLOSURE DATE OPERATION WILL RESUME PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATIONRAncho Cordova Ca (REFER TO CONDITIONS & AND C ON BACK OF THIS FORM) PERMANENT, TANK(S) IN PLACE
PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS & AND D ON BACK OF THIS FORM) TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY )
TANK NO.MATERIALAGE (YEARS)CAPACITY (GAL)MATERIALS STORED (PAST AND PRESENT)Image: Control of the state o
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?
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
TO BE COMPLETED BY THE COUNTY ENGINEER
BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE. FILE NO CORCE R7C32

- 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.
- The County Engineer and Fire Departments shall be notified in advance of any closure in accordance with the following:
- 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.
- A fee of \$38 per tank shall accompany this application.

Ψ.

- 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 peopler 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 Mater Quality Board, the Los Angeles County Department of Health Services, and the South Coast Air Quality Management District.
- 8. Decontemination shall require the following, as a minimum:
- a. Cleaning operation shall be done under the supervision of persons who understand the hazardous potantial 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 Fira Department, Fire Prevention Division, Supplement #A --Inspection Guide #6, "Abandonment or Removal of Underground Tanks," Part A and any other applicable Parts.
- A temporary closure shall not exceed 90 days.

~

- 1. All tank removals shall be carried out as indicated in fos 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.
- بب Engineer. Removed tanks inspection 5 shall not establish be transported away alte integrity 1.3 carried from the Š 3110 ٤he until County an
- 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 COMDITIONS D below.
- 7. The site shall be backfilled and recompacted to a relative compaction of 90%.

# CONDITIONS D --- PERMANENT, TANK(S) IN PLACE

- 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.
- 8. 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 analysia, using auitable 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 contaminanta, the County Engineer shall require a site investigation as described in Chapter V of the County's "Underground Stormge of Hazardous Materials -- Guidelines."
- 4. A report shall be submitted to the County Engineer containing the interaction to the submittention.

# Permit Application



This form constitutes a tank assessment statement (TAS) when accompanied by a Hazardous Materials Underground Storage Permit (HMDSP) application within the jurisdiction of L. A. County, Department of Public Works, Sanitation Division.

🔲 or New Permit	🖸 og installed before July 1, 1984	🗆 os Renewed Permit	🗖 os Amended Permit
🗍 oz Provisional Permit	04 Installed after July 1, 1984		

#### I Owner

0

Day -	State	ZIP
Duarte	CA	91010
	Duarte	Duarte CA

#### **II** Facility

				Dealer F	preman Supervisor			
Facility Name								
Hydraulic Un	its, Inc	-					<u> </u>	
						Nearest	Cross Sireer	_
1700 Busines	1700 Business Center Drive				Highland Ave.			Ave.
1,00 10000					County			ZIP
City					ГА			91010
Duarte							State	ZIP
Mailing Address				Car			07	01010
1700 Busines	s Center	Drive			Duarte CA 91010			91010
Phone wyarea code			Type or Business					
818 359-921	1		🔲 or Gasoline S	Station	🔯 op Other. 🔜	<u>M</u> an	uract	uring
010 555 521		T	1	10-000		Section	<u>.</u>	
NUMBER OF CONTAINERS	Rural Areas	Township		manue.		1		
2	Only:							

#### **III 24 Hour Emergency Contact Person**

				the Norma shell dame to	er and Phone w a	103-0006	
Days Name (last name first) and Pho	one w area coo	e	1.4	And them are and a	a provi com a		
Drumm Lee (	(818)	359-9211		Worland,	Frank	(818)	359-9211
	(OTO)						

# COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

#### **IV** Description

A 🔯 01 Tank 🗆 02 Other:	Container Number of these sind number assign ones #2
B. Manufacturer (if appropriate): National Year of Mfg. 1962 C Year Insta	alled1962 Unknown
D Container Capacity 2011 gallons I Unknown E Does the Container Store (Check Onc	a) 🖁 🛪 Waste 🗈 🕫 Product
E Does the Container Store Motor Vehicle Fuel or Waste Oil? 🕅 🗉 Yes 🗖 🕾 No 👘 If Yes. Che	ck appropriate box(es)

				_	12 .	
on Unleaded	🗆 🛛 Regular	🗋 💩 Premium	🗆 🖙 Diesel	🗆 05 Waste Oil	⊠ ∞ Other (List)	 
If you answered yes;	do not complet	e Part VIII.				

#### V Container Construction

A. Thickness of Primary Containment Gauge 🖾 Inches 🗆 cm 🗇 Unknown
B 🖸 🕫 Vaulted (Located in an underground Vault ) 🛛 🖾 🖘 Non-vaulted 🛛 🗁 Unknown
C. 🗆 of Double Walled 🛛 🖄 oz Single Walled 🔲 os Lined
D 🖾 🕫 Carbon Steel 🔲 🗤 Stainless Steel 🔲 🖙 Fiberglass 🗇 🕫 Polyvinyl Chloride 🗔 os Concrete 🔲 os Aluminum
🗆 of Steel Clad 🗆 os Bronze 🗆 os Composite 🗆 io Non-metallic 🗅 iii Earthen Walls
az Unknown a 3 Other:

#### **Container** Construction

E. 🛛 oi Rubber Lined 🛛	02 Alkyd Lining	03 Epoxy Lining	□ or Phenolic Linir	ng 🛛 🕫 Glass Lining	□ ∞ Clay Lining
tor Unlined □ ∞ Un	known 🛛 💿 Other:				
F. 01 Polyethlene Wrap 04 Unknown	□ oz Vinyi Wrapping □ os None	Cathodic	Protection at at a	Other-	

#### VI Piping

 $q_{1}$ 

A. Aboveground Piping: O on Double-walled pipe [(Check) appropriate box(es)]	0 o2	Concrete-lined trench	OC os Gravity None	□ 04 Pressure	🗋 os Suction
B. Underground Piping: O on Double-walled pipe	☐ 02	Concrete-lined trench	🗋 os Gravity	□ 04 Pressure	os Suction
(Check) appropriate box(es)	<u>G</u> w	Unknown 007	None		

#### **VII Leak Detection**

🛛 oı Visual	D 02 Stock Inventory	🗆 🛛 Tile Drain 🛛	3 04 Vapor Sniff Wells	□ ∞ Sensor instrument
□ ∞ Ground	Water Monitoring Wells	□ o7 Pressure Test	🗋 os Internal Inspec	tion IX 19 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)
01	02	
10 🗆	0 32	
10 🗆	02	

Is Container located on an Agricultural Far	m? 🗋 01 Yes 🛛	02 <b>NO</b>		
Person Filing (Signature)	J. whee		Phone w area coo 818	8-359-9211
For Local Agency Use Only	$\overline{V}$	CITY	991. S	COUNTY T 9
L.A. Co. Department of Publi	c Works	1	PHONE W/AREA ( (213) 73	<b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>
Carl Sjoberg INSPECTION DATE (IST INSPECTION)	PERMIT APPROV	AL DATE		PERMIT ID. NUMBER
FOR STATE USE ONLY			£	

FOR STATE USE ONLY			County Number	
STATE ID. NUMBER	Accour			
Date Received	□ 01	02	<b>.</b>	□ 03
				) 

# 30.10 INSTALLATION (Continued)

G. Holes in Structural Members

1. <u>Prohibited</u>. 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. <u>Cleanouts</u>

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. <u>Installation</u>. 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.

30-10/11

# Permit Application



This form constitutes a tark assessment statement (TAS) when accompanied by a Hazardous Materials Underground Storage Permit (IMISP) application within the jurisdiction of L. A. County, Department of Public Works, Sanitation Division.

jurisdiction of L. A. County, Department, of	I PUDIIC WORKS, SANITATION DIVISIO	A1+ . F
Ooi     New Permit     Ooi     Installed before July 1, 1984       Oo2     Provisional Permit     Ooi     Installed after July 1, 1984	os Renewed Permit	os Amender Permit
I Owner 1524	ζ.	· · · · · · · · · · · · · · · · · · ·
Name (Corporation Individual of Public AggoCyl Hydraulic Units, Inc.	- T	
Sier Accress 1700 Business Center Drive	Duarte	- CA 91010
II Facility	ు సిగిన	••••
Facmy Name Hydraulic Units, Inc.	Draier Foreman Supervisor	
Sucer Adoress 1700 Business Center Drive		Nearesi Cross Sireei Highland Ave.
Cay Duarto	County	21P 91010
Manno Address		
L/UU         Business         Center         Drive           Phone w/area code         Type of Business         Type of Business		
818 359-9211 O o Gasoline	Station Station Station	_Manuracturing
AT THIS FACILITY 2 Only:		<u></u>
III 24 Hour Emergency Contact Person		
Days Name (last name first) and Phone w area code Drumm, Lee (818) 359-9211	Worland, Frank (8	18) 359-9211
COMPLETE THE FOLLOWING ON A SEP	ARATE FORM FOR EACH	CONTAINER
IV Description		
A. 🖾 01 Tank 🗆 02 Other,	Conta	ner Number III (hore is no number assign one) #1
B. Manufacturer (if appropriate): Comwell Year of M	Alg. 1964 C Year Installed	
D. Container Capacity	Container Store (Check One)	Xo1 Waste D 02 Product
F. Does the Container Store Motor Vehicle Fuel or Waste Oil?	Yes 🗆 🕆 No 🛛 If Yes. Check a	ppropriate box(es):
□ or Unleaded □ or Regular □ or Premium □ or Diesel ⊠ of Wi If you answered yes; do not complete Part VIII.	aste Oil □∞ Other (List)	
V Container Construction		
A. Thickness of Primary Containment $3/16$ Gauge X incr	nes 🗆 cm 🔲 Unknown	
B. Doi Vaulted (Located in an underground Vault ) 🛛 🖾 😒 Non-vault	ied 🛛 🕫 Unknown	

🗖 or Steel Clad – 🗆 os Bronze – 🗆 os Composite – 🗆 io Non-metallic – 🗇 iii Earthen Walls

🗆 oz Stainiess Steel

□ os Fibergiass

🗆 🕫 Polyvinyl Chloride

□ ∞ Concrete

🗋 🕫 Aluminum

D. Doi Carbon Steel

~ \*

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Container Construction	1	un de la contra d				
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Underground Piping: 🗋 or [(Check) appropriate box(e	Double-walled pit	De ⊡oz Con ⊡os Una	crete-lined french (nown 🗋 07	전 os Gravity None	04 Pressure	e 🛛 os Suction
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Dor Visual Doz Stock	Inventory 0 or	Tile Drain	🗆 🛯 🖬 Vapor Sniff	Wells L os	Sensor instrume	a (
□ ∞ Ground Water Monito	ring Wells 🛛 o	7 Pressure Te	st 🛛 🕮 Interna	I Inspection	🖾 os None	
□ 10 Other:						
III Chemical Compos	sition of Materia	eis Currenti	y or Previously	Stored in U	nderground C	ontainers
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III Chemical Compose If you checked yes to I currently providently stored stored CAS # (If	Sition of Materia V -F you are not re	guired to comp	y or <b>Previously</b> lete this section. Chamical Do Nor	Stored in U	nderground C	er for more room
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#### 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. <u>Installation</u>. Graphite shall be used on all cleanouts with all threads being thoroughly greased at the finish of the job.

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. <u>Sewer, Waste, Vent and Drain Piping</u>. 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. <u>Water System Sterilization</u>. 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



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:

Rick McKenna DOSH Certified Asbestos Consultant #92-0683

Reviewed by:

Date: September 18, 2007

Date: September 18, 2007

David S. Martinez, CIH Client Program Manager

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1.0 Introduction	
2.0 Methodology	.2-1
2.1 Asbestos Sampling Strategies	.2-1
2.2 Laboratory Analysis	.2-1
3.0 Results	.3-1
3.1 Materials not sampled	.3-6
4.0 Conclusions and Recommendations	.4-1
5.0 References	.5-1
6.0 Limitations	.6-1

#### List of Appendices

- Appendix A Laboratory Analysis Results and Chain of Custody Forms
- Appendix B Sample Location Diagram
- Appendix C Glossary of Asbestos Regulatory Terms

### 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

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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	Results &	Quantity *	Material Condition
Cample # & Location	Description	Type Aspestos	additity	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	Maintain in alars
				Maintain in place

#### Table (continued)

# 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.).

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

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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.


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### **PLM Bulk Asbestos Report**

Shaw Environme Infrastructure, In Attn: Seyed Miri 3347 Michelson Suite 200 Invine, CA 92612	ental & c. Drive 2-1692	Date Received Date Examined RE GE Aviation;	09/04/07 09/05/07 1700 Bus C	AmeriSci P.O. # G Page Ctr. Dr., Dua	Job No. 907091012 E Aviation I of 18 rte, CA
		No	Achectec R	rocont	Total % Ashastas
Chent No. / HGA		NO.	Aspestos P	resent	Total % Aspestos
01 01	90709 Location: 12" X 12" C	91012-01L1 ream Floor Tile & Tar	Mastic / Maint.	Office	NAD (by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-fibrous 100 %	Non-Fibrous, Floor Ti	le		on 09/05/07
01	90709	91012-01L2	No		NAD
01	Location: 12" X 12" C	ream Floor Tile & Tar	n Mastic / Maint.	Office	(by CVES) by Arturo A. Aldana
Description:	Yellow, Heterogeneous	s, Non-Fibrous, Mastie		9 <sub>12</sub>	on 09/05/07
Asbestos Types: Other Material:	Non-fibrous 100 %				
02	90709	91012-02L1	No		NAD
01	Location: 12" X 12" C	bream Floor Tile & Ta	n Mastic / Maint	. Office	(by CVES) by Arturo A. Aldana
. Description:	Beige, Homogeneous,	Non-Fibrous, Floor T	ile		on 09/05/07
Other Material:	Non-fibrous 100 %			-	
02	90709	91012-02L2	No		NAD
01	Location: 12" X 12" C	cream Floor Tile & Ta	n Mastic / Maint	. Office	(by CVES) by Arturo A. Aldana
Description:	Yellow, Heterogeneous	s, Non-Fibrous, Masti	C		on 09/05/07
Other Material:	Non-fibrous 100 %				
03	9070	91012-03L1	No		NAD
01 -	Location: 12" X 12" C	Cream Floor Tile & Ta	n Mastic / Ship /	Rec. Office	(by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-fibrous 100 %	Non-Fibrous, Floor T	ile		on 09/05/07

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Client Name: Shaw Environmental & Infrastructure, Inc.

### PLM Bulk Asbestos Report

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Client No.	/ HGA	Lab No.	Asbestos Present	Total % Asbestos
03		907091012-03L2	No	NAD
01	(by CVES) by Arturo A. Aldana			
Descri Asbestos 1 Other Ma	ption: Yellow, Hete Types: Iterial: Non-fibrous	rogeneous, Non-Fibrous, I	Mastic	on 09/05/07
04		907091012-04L1	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	Mastic / Ship / Rec. Office	(by CVES by Arturo A. Aldana
Descri Asbestos 1	ption: Grey, Homo Types:	igeneous, Non-Fibrous, Flo	por Tile	on 09/05/07
Other Ma	terial: Non-fibrous	100 %		
04		907091012-04L2	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	Mastic / Ship / Rec. Office	(by CVES) by Arturo A. Aldana
Descri	iption: Yellow, Hete	erogeneous, Non-Fibrous,	Mastic	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %	*	S. N.C.,
05		907091012-05L1	No	NAD
02	Location:	12" X 12" Gray Floor Tile 8	& Mastic / First Aid	(by CVES) by Arturo A. Aldana
Descr Asbestos	iption: Grey, Homo Types:	ogeneous, Non-Fibrous, Flo	oor Tile	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %		
05		907091012-05L2	No	NAD
02	Location:	12" X 12" Gray Floor Tile 8	Mastic / First Aid	by CVES) by Arturo A. Aldana
Descr Asbestos	i <b>ption:</b> Yellow, Het <b>Types:</b>	erogeneous, Non-Fibrous,	Mastic	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %		
06		907091012-06L1	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	& Mastic / Break Room	(by CVES) by Arturo A. Aldana
Descr Asbestos	iption: Grey, Home Types:	ogeneous, Non-Fibrous, Fl	oor Tile	on 09/05/07
Other M	aterial: 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	<b>Total % Asbestos</b>
06	907091012-06L2	Νο	NAD
02 L	02 Location: 12" X 12" Gray Floor Tile & Mastic / Break Room		
Description: Y	ellow, Heterogeneous, Non-Fibrous, M	astic	on 09/05/07
Asbestos Types:			
Other Material: N	Ion-fibrous 100 %	·	
07	907091012-07L1	Yes	2 %
03 1	.ocation: 12" X 12" Cream / Rust Floor	Tile & Mastic / Reproduction Room	(by CVES) by Arturo A. Aldana
Description: E Asbestos Types: (	Beige, Homogeneous, Non-Fibrous, Floo Chrysotile 2.0 %	or Tile	on 09/05/07
Other Material: N	ion-librous 98 %		
07	907091012-07L2	No	NAD
03 1	ocation: 12" X 12" Cream / Rust Floor	r Tile & Mastic / Reproduction Room	(by CVES
			by Arturo A. Aldana
Description: ) Ashestos Types:	ellow/Black, Heterogeneous, Non-Fibro	ous, Mastics	01103/00/07
Other Material: N	Non-fibrous 100 %	*s \	3 Sec. 1
08	907091012-0811	Yes	2 %
03 1	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Rep. Storage Rm.	(by CVES
			by Arturo A. Aldana
Description: E	Beige, Homogeneous, Non-Fibrous, Flo	or Tile	on 09/05/07
Asbestos Types: (	Chrysotile 2.0 %		
Other Material. 1			
08	907091012-08L2	No	NAD
03	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Rep. Storage Rm.	(by CVES) by Arturo A. Aldana
Description:	rellow/Black, Heterogeneous, Non-Fibr	ous, Mastics	on 09/05/07
Asbestos Types:	Non fibrous 100 %		
09	907091012-09L1	Yes	2 %
03	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Gage Room	(by CVES) by Arturo A. Aldana
- Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-Fibrous, Flo Chrysotile 2.0 % Non-fibrous-98-%	oor Tile	on 09/05/07

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See Reporting notes on last page

## PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

011011110111101	Lab No.	Asbestos Present	<b>Total % Asbesto</b>	
09	907091012-09L2	No	NAD	
03	Location: 12" X 12" Cream / Rust Floor Tile & Mastic / Gage Room			
Description:	Yellow/Black, Heterogeneous, Non-Fibrous, N	Mastics	on 09/05/07	
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	
Description: Asbestos Types:	Tan, Homogeneous, Non-Fibrous, Floor Tile		on 09/05/07	
Other Material:	Non-fibrous 100 %			
10	907091012-10L2	No	NAD	
04	Location: 12" X12" Tan Floor Tile & Mastic /	/ Mezzanine - Rep. Storage Rm	(by CVE) by Arturo A. Aldana	
Description:	Yellow, Heterogeneous, Non-Fibrous, Mastic		on 09/05/07	
Other Material:	Non-fibrous 100 %	No. (A)	- A.S.	
11	907091012-11	No	NAD	
04	Location: 12" X12" Tan Floor Tile & Mastic	/ Wom. RR	(by CVE	
Description:	Beige, Homogeneous, Non-Fibrous, Floor Til	le	on 09/05/07	
Other Material:	Non-fibrous 100 %		• 197	
Comment:	No mastic	3		
12	907091012-12	No	NAD	
04	Location: 12" X12" Tan Floor Tile & Mastic	/ Wom. RR Foyer	(by CVE) by Arturo A. Aldana	
Description: Asbestos Types:	Beige, Homogeneous, Non-Fibrous, Floor Til	le	on 09/05/07	
	Non-fibrous 100 %			
Other Material:				

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### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto
13 05 Lo	907091012-13 cation: 12" X 12" White Floor Tile &	<b>No</b> Mastic / Mezzanine - Office	NAD (by CVES
Description: Off Asbestos Types: Other Material: No Comment: No	-White, Homogeneous, Non-Fibrous, n-fibrous 100 % Mastic	Floor Tile	by Arturo A. Aldana on 09/05/07
14	907091012-14	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	(by CVE) by Arturo A. Aldana
Description: Off Asbestos Types:	-White, Homogeneous, Non-Fibrous,	Floor Tile	on 09/05/07
Comment: No	mastic		
15	907091012-15L1	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	(by CVE) by Arturo A. Aldana
Description: Off Asbestos Types:	-White, Homogeneous, Non-Fibrous,	Floor Tile	on 09/05/07
Other Material: No	n-fibrous 100 %		Ŷ
15	907091012-15L2	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	by CVE) by Arturo A. Aldana
Description: Ye	llow, Heterogeneous, Non-Fibrous, N	Aastic	on 09/05/07
Asbestos Types: Other Materiai: No	n-fibrous 100 %	· .	
16	907091012-16	No	NAD
06 Lo	cation: 2' X 4' Ceiling Panels Tran. I	Fischer Pat. / Maint. Office	(by CVE) by Arturo A Aldana
	ige/White, Heterogeneous, Fibrous, G	Ceiling Tile	on 09/05/07
Asbestos Types:			

### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
17	907091012-17	No	NAD
06	Location: 2' X 4' Ceiling Panels Rando	(by CVES) by Arturo A. Aldana	
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 23 %, Fibrous glass 13 %, N	Ion-fibrous 64 %	
18	907091012-18	No	NAD
06	Location: 2' X 4' Ceiling Panels Rando	om Fishcher Pat. / Break Room	(by CVES by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 23 %, Fibrous glass 13 %, N	ion-fibrous 64 %	
19	907091012-19	No	NAD
07	Location: 2' X 7' Ceiling Panels Rando	om Fischer Pat. / Office Area - Front	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	- By -
20	907091012-20	No	NAD
07	Location: 2' X 7' Ceiling Panels Rand	om Fischer Pat. / Office Area - Front	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	-
21	907091012-21	No	NAD
07	Location: 2' X 7' Ceiling Panels Rand Mezzanine	om Fischer Pat. / Office Area -	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	
22	907091012-22	No	NAD
08	Location: 2' X 4' Ceiling Panel - Tran	Patterson / Reproduction Room	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous-56-%	

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See Reporting notes on last page

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### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
23	907091012-23	No	NAD
08 Location	(by CVES) by Arturo A. Aldana		
Description: Beige/W Asbestos Types:	hite, Heterogeneous, Fibrous, C	eiling Tile	on 09/05/07
Other Material: Cellulose	e 40 %, Fibrous glass 4 %, Non	-fibrous 56 %	
24	907091012-24	No	NAD
08 Locatio	n: 2' X 4' Ceiling Panel - Tran Pa	atterson / Cont. Rm - Bn Repo Rm.	(by CVES)
Description: Beige/W Asbestos Types:	hite, Heterogeneous, Fibrous, C	eiling Tile	on 09/05/07
Other Material: Cellulos	e 40 %, Fibrous glass 4 %, Nor	-fibrous 56 %	
25	907091012-25	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf F	Rm.	(by CVES) by Arturo A. Aldana
Description: Off-Whit	e, Heterogeneous, Fibrous, Ceil	ng Tile	on 09/05/07
Other Material: Fibrous	glass 55 %, Non-fibrous 45 %	3x - 11	2015
26	907091012-26	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf I	Rm.	(by CVES) by Arturo A. Aldana
Description: Off-Whit	e, Heterogeneous, Fibrous, Ceil	ing Tile	on 09/05/07
Asbestos Types: Other Material: Fibrous	glass 55 %, Non-fibrous 45 %	×	, T
27	007001012 27	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf I	Rm.	(by CVES)
Description: Off-Whit	te, Heterogeneous, Fibrous, Ceil	ing Tile	on 09/05/07
Other Material: Fibrous	glass 55 %, Non-fibrous 45 %		
28	907091012-28	No	NAD
10 Locatio	n: Ceiling Tile Mastic (12" X 12" Repo Rm.	' Tile) (Smooth Tile) / Corriodor - By	(by CVES) by Arturo A. Aldana
Description: Dark Br	own, Heterogeneous, Non-Fibro	us, Mastic	on 09/05/07

See Reporting notes on last page

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## **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
29 10	907091012-29 Location: Ceiling Tile Mastic (12" X 1	<b>No</b> 12" Tile) (Smooth Tile) / Corriodor - By	NAD (by CVES
Description: Asbestos Types:	Productio Test Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	by Arturo A. Aldana on 09/05/07
Other Material:	Non-fibrous 100 %		
30	907091012-30	No	NAD
10	Location: Ceiling Tile Mastic (12" X Shipping Office	12" Tile) (Smooth Tile) / Corriodor -	(by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Dark Brown, Heterogeneous, Non-Fib Non-fibrous 100 %	rous, Mastic	on 09/05/07
31	907091012-31	No	NAD
11	Location: 12" X 12" Ceiling Tile (Tex	tured) / Corridor - By Prod. Grind	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous	, Ceiling Tile	on 09/05/07
Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	
32	907091012-32	No	NAD
11	Location: 12" X 12" Ceiling Tile (Tex	ktured) / Corridor - By Prod. Grind	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous	s, Ceiling Tile	on 09/05/07
Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	ч
33	907091012-33	No	NAD
11	Location: 12" X 12" Ceiling Tile (Te)	(tured) / Corridor - By Prod. Grind	by CVES
Description:	Beige/White, Heterogeneous, Fibrous	s, Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	
34	907091012-34	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	r Text. 12" X 12" Tile) / Corridor - By	(by CVES) by Arturo A. Aldana
Description:	Dark Brown, Heterogeneous, Non-Fi	brous, Mastic	on 09/05/07

## **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Chent No. / MGA	Lab No.	Asbestos Present	Total % Asbesto
35	907091012-35	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	Text. 12" X 12" Tile) / Corridor - By	(by CVES by Arturo A. Aldana
Description: I	Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	on 09/05/07
Asbestos Types:			
Other Material: 1	Non-fibrous 100 %		
36	907091012-36	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	Text. 12" X 12" Tile) / Corridor - By	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	on 09/05/07
Other Material:	Non-fibrous 100 %		
37	907091012-37	Yes	4 %
13	Location: Pipe Fitting Insulation - Lg.	. Pipes / By Mezz. Fan Rm.	(by CVE) by Arturo A. Aldana
Description:	Off-White, Heterogeneous, Fibrous, Ir	sulation	on 09/05/07
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 CVE
<b>D</b>	0// 14/1/2		by Arturo A. Aldana
Description: Ashestos Types:	Uff-White, Heterogeneous, Fibrous, Ir Chrysofile 40%	isulation	011 09/05/07
Other Material:	Fibrous glass 6 %, Non-fibrous 90 %		-
30	007001010 00	Vac	4 02
39	907091012-39	Yes Pipes / By Mozz, Ean Pm	4 %
39 13	907091012-39 Location: Pipe Fitting Insulation - Lg	<b>Yes</b> . Pipes / By Mezz. Fan Rm.	4 % (by CVE by Arturo A. Aldana
39 13 Description:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 %	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types: Other Material:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 %	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types: Other Material: 40	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation <b>Yes</b>	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 %
39 13 Description: Asbestos Types: Other Material: 40 14	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40 Location: Pipe Fitting Insulation - Sn	Yes . Pipes / By Mezz. Fan Rm. Insulation Yes n. Pipes / By Mezz Fan Rm.	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 % (by CVE by Arturo A. Aldana
39 13 Description: Asbestos Types: Other Material: 40 14 Description: Asbestos Types:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40 Location: Pipe Fitting Insulation - Sn Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 %	Yes Pipes / By Mezz. Fan Rm. Insulation Yes n. Pipes / By Mezz Fan Rm. Insulation	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 % (by CVE by Arturo A. Aldana on 09/05/07

See Reporting notes on last page

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
41	907091012-41	Yes	4 %
14 Location: Pipe Fitting Insulation - Sm. Pipes /Mezzanine Storage		(by CVES) by Arturo A. Aldana	
Description: C Asbestos Types: C	Dff-White, Heterogeneous, Fibrous, Insu Chrysotile 4.0 %	lation	on 09/05/07
Other Material: F	ibrous glass 6 %, Non-fibrous 90 %		
42	907091012-42	Yes	4 %
14 L	.ocation: Pipe Fitting Insulation - Sm. F	Pipes / Ceiling Plenum	(by CVES) by Arturo A. Aldana
Description: ( Asbestos Types: (	Off-White, Heterogeneous, Fibrous, Insu Chrysotile 4.0 %	lation	on 09/05/07
Other Material: F	ibrous glass 6 %, Non-fibrous 90 %		
43	907091012-43	Yes	13 %
15 I	.ocation: Texture Coat On Metal Siding	g / Exterior - South Side	(by CVES) by Arturo A. Aldana
Description: E	Black/Beige, Heterogeneous, Fibrous, To	exture Coat	on 09/05/07
Asbestos Types: 0 Other Material: 1	Chrysotile 13.0 % Non-fibrous 87 %	54	17. 18.96 g.
44	907091012-44	Yes	13 %
15 I	Location: Texture Coat On Metal Siding	g / Exterior - West Side	(by CVES) by Arturo A. Aldana
Description: E	Black/Beige, Heterogeneous, Fibrous, T	exture Coat	on 09/05/07
Asbestos Types: (	Chrysotile 13.0 %		
Other Material: N	Non-fibrous 87 %		:
45	907091012-45	Yes	13 %
15 1	Location: Texture Coat On Metal Siding	g / Roof - North Side	(by CVES) by Arturo A. Aldana
Description:	Black/Beige, Heterogeneous, Fibrous, T	exture Coat	on 09/05/07
Asbestos Types: (	Chrysotile 13.0 %		
Other Material: N	Non-fibrous 87 %		
46	907091012-46.1	No	NAD
16 1	Location: Drywall & Joint Compound W	/alls / Ceiling / Breakroom	(by CVES) by Arturo A. Aldana
Description: \ Asbestos Types:	Nhite/Brown/Beige, Heterogeneous, Fib	rous, Drywall / Tape	on 09/05/07
Other Material: (	Cellulose-13-%, Fibrous-glass-Trace, N	on-fibrous-87-%	
ee Reporting notes on last	page		

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## PLM Bulk Asbestos Report

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos		
46	907091012-46.2	No	NAD		
16	(by CVES) by Arturo A. Aldana				
Description: \	White, Heterogeneous, Non-Fibrous, Joir	nt Compound	on 09/05/07		
Asbestos Types:					
Other Material: 1	NON-TIDPOUS 100 %				
47	907091012-47.1	No	NAD		
16	Location: Drywall & Joint Compound Wa	alls / Fab Offices	(by CVES)		
Description: \	Description: White/Brown/Beige, Heterogeneous, Fibrous, Drywall / Tape				
Other Material:	Cellulose 31 %, Fibrous glass Trace, No	on-fibrous 69 %			
47	907091012-47.2	No	NAD		
16	Location: Drywall & Joint Compound W	alls / Fab Offices	(by CVES)		
			by Arturo A. Aldana		
Description:	White, Heterogeneous, Non-Fibrous, Joir	nt Compound	on 09/05/07		
Other Material:	Non-fibrous 100 %				
48	907091012-48.1	No	NAD		
16	Location: Drywall & Joint Compound W	alls / Outside Fab Offices	(by CVES) by Arturo A, Aldana		
Description:	White/Beige, Heterogeneous, Fibrous, D	rywall / Tape	on 09/05/07		
Other Material:	Cellulose 6 %, Fibrous glass Trace, No	n-fibrous 94 %			
48	907091012-48.2	No	NAD		
16	Location: Drywall & Joint Compound W	alls / Outside Fab Offices	(by CVES) by Arturo A. Aldana		
Description:	White, Heterogeneous, Non-Fibrous, Join	nt Compound	on 09/05/07		
Asbestos Types: Other Material:	Non-fibrous 100 %				
Other Material					
49	907091012-49.1	No	NAD		
17	Location: Drywall & Joint Compound W	alls / Ceiling / Maint. Office (NC)	(by CVES) by Arturo A. Aldana		
Description: Asbestos Types:	White/Brown/Beige, Heterogeneous, Fib	rous, Drywall / Tape	on 09/05/07 -		
Other Material:	Cellulose 2-%, Non-fibrous 98-%	•			
See Reporting notes on last	page				

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## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
49 17	907091012-49.2 Location: Drywall & Joint Compound	Yes Walls / Ceiling / Maint. Office (NC)	2 % (by CVES)
Description: Asbestos Types: Other Material:	White, Heterogeneous, Non-Fibrous, J Chrysotile 2.0 % Non-fibrous 98 %	oint Compound	by Arturo A. Aldana on 09/05/07
50 17 Description: Asbestos Types: Other Material:	907091012-50.1 Location: Drywall & Joint Compound Walls / Maint. Office (NC) White/Brown, Heterogeneous, Fibrous, Cellulose 1 %, Non-fibrous 99 %	<b>No</b> Walls / Drywall & Joint Compound Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07
50 17 Description: Asbestos Types: Other Material:	907091012-50.2 Location: Drywall & Joint Compound Walls / Maint. Office (NC) White, Heterogeneous, Non-Fibrous, J Chrysotile <1. % Non-fibrous 100 %	<b>Yes</b> Walls / Drywall & Joint Compound oint Compound	Trace (<1 %) (by CVES) by Arturo A. Aldana on 09/05/07
51 17 Description: Asbestos Types: Other Material:	907091012-51.1 Location: Drywall & Joint Compound White/Brown, Heterogeneous, Fibrous Cellulose 4 %, Non-fibrous 96 %	<b>No</b> Walls / Outside Maint. Office , Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07
51 17 Description: Asbestos Types: Other Material:	907091012-51.2 Location: Drywall & Joint Compound White, Heterogeneous, Non-Fibrous, J Chrysotile <1. % Non-fibrous 100 %	<b>Yes</b> Walls / Outside Maint. Office oint Compound	Trace (<1 %) (by CVES) by Arturo A. Aldana on 09/05/07
52 18 Description: Asbestos Types:	907091012-52.1 Location: Drywall & Joint Compound Rep. Rm.) White/Brown, Heterogeneous, Fibrous	<i>No</i> Walls / Ceiling Mezzanine (Above , Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>	
52	907091012-52.2	No	NAD	
18	18 Location: Drywall & Joint Compound Walls / Ceiling Mezzanine (Above Rep. Rm.)			
Description:	White, Heterogeneous, Non-Fibrous, Jo	int Compound	on 09/05/07	
Asbestos Types:	No. 75			
Other Material:	Non-fibrous 100 %		· · · · · · · · · · · · · · · · · · ·	
53	907091012-53.1	No	NAD	
18	Location: Drywall & Joint Compound W Rep. Rm.)	Valls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana	
Description:	White/Brown, Heterogeneous, Fibrous,	Drywall	on 09/05/07	
Asbestos Types: Other Material:	Cellulose 4 %, Fibrous glass 1 %, Nor	-fibrous 95 %		
53	907091012-53.2	No	NAD	
18	Location: Drywall & Joint Compound N Rep. Rm.)	Nalls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana	
Description:	White, Heterogeneous, Non-Fibrous, Jo	pint Compound	on 09/05/07	
Asbestos Types: Other Material:	Non-fibrous 100 %	5 <sub>16</sub>	19 	
54	907091012-54.1	No	NAD	
18	Location: Drywall & Joint Compound Rep. Rm.)	Walls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana	
Description:	White/Brown, Heterogeneous, Fibrous,	Drywall	on 09/05/07	
Asbestos Types:	Cellulose 23 % Non-fibrous 77 %	· ·		
Other Material.			•	
54	907091012-54.2	Yes	2 %	
18	Location: Drywall & Joint Compound Rep. Rm.)	Walls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana	
Description:	White, Heterogeneous, Non-Fibrous, Jo	oint Compound	on 09/05/07	
Other Material:	Non-fibrous 98 %			
	007004040 551 4	No	NAD	
55 10	907091012-55L1	Aezzanine - Ren Storage Rm		
Description	Dark Prown Homosopoous Nor Elect	Nuc Pasabaard	by Arturo A. Aldana on 09/05/07	
Description:	Dark brown, Homogeneous, Non-Fibro	bus, Daseboard		
Asbestos Types:				

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### **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	<b>Total % Asbestos</b>
55	907091012-55L2	No	NAD
19 Loo	ation: Bown Baseboard Mastic / M	ezzanine - Rep. Storage Rm.	(by CVES)
			by Arturo A. Aldana
Description: Dar	k Brown, Homogeneous, Non-Fibro	us, Mastic	on 09/05/07
Other Material: Nor	n-fibrous 100 %		
		Vaa	
55	907091012-55L3		3 %
19 LO	ation: Bown Baseboard Mastic / W	lezzanine - Rep. Storage Rm.	(by CVES) by Arturo A. Aldana
Description: Wh	ite, Heterogeneous, Non-Fibrous, U	nderlayment	on 09/05/07
Asbestos Types: Chr	ysotile 3.0 %		
Other Material: Nor	n-fibrous 97 %		
56	907091012-56L1	No	NAD
19 Lo	cation: Bown Baseboard Mastic / C	ffice - By Prop. Test	(by CVES)
			by Arturo A. Aldana
Description: Dar	k Brown, Homogeneous, Non-Fibro	us, Baseboard	on 09/05/07
Asbestos Types:	fibrous 100 %		
	1-11brous 100 %		
56	907091012-56L2	No	NAD
19 Lo	cation: Bown Baseboard Mastic / C	Office - By Prop. Test	(by CVES)
			by Arturo A. Aldana
Description: Dai	k Brown, Homogeneous, Non-Fibro	ous, Mastic	011 09/05/07
Other Material: No	-fibrous 100 %	-	
		A	
57	907091012-57L1	NO	NAD
19 Lo	cation: Bown Baseboard Mastic / C	Offices - North Side	(by CVES)
Description: Da	k Brown Homogeneous Non-Fibro	us Baseboard	on 09/05/07
Asbestos Types:	R brown, nomogeneous, non-ribio	as, Daseboard	
Other Material: No:	n-fibrous 100 %		
57	907091012-571 2	No	ΝΑΠ
19 Lo	cation: Bown Baseboard Mastic / C	Offices - North Side	(by CVES)
			by Arturo A. Aldana
Description: Da	rk Brown, Homogeneous, Non-Fibro	ous, Mastic	on 09/05/07
Asbestos Types:			
Other Material: No	n-fibrous 100 %	<u></u>	

See Reporting notes on last page

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Client Name: Shaw Environmental & Infrastructure, Inc.

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## PLM Bulk Asbestos Report

Client No. / HG	A Lab N	<b>o.</b>	Asbestos Present	Total % Asbestos
58	9070910	012-58	Yes	4 %
20	Location: Spray - Applie	d Acoustic Ceiling M	aterial / NW Stairwell	(by CVES by Arturo A. Aldana
Description Asbestos Types Other Material	Coff-White, Heterogeneous Chrysotile 4.0 % Non-fibrous 96 %	;, Fibrous, Acoustica	I Texturing	on 09/05/07
59	9070910	)12-59	Yes	3 %
20	Location: Spray - Applie	d Acoustic Ceiling M	aterial / NW Stairwell	(by CVES) by Arturo A. Aldana
Description Asbestos Types Other Material	Coff-White, Heterogeneous Chrysotile 3.0 % Non-fibrous 97 %	s, Fibrous, Acoustica	al Texturing	on 09/05/07
60	9070910	012-60	Yes	3 %
20	Location: Spray - Applie	d Acoustic Ceiling M	laterial / Offices - NW Corner	(by CVES) by Arturo A. Aldana
Description:	Off-White, Heterogeneous	s, Fibrous, Acoustica	al Texturing	on 09/05/07
Other Material	Non-fibrous 97 %		3.5	7 - \$C.
61	9070910	012-61	No	NAD
21	Location: Plaster Walls	& Ceilings (Sand Fir	iish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description Asbestos Types	Off-White, Heterogeneous	s, Non-Fibrous, Cerr	entitious, Plaster	on 09/05/07
Other Material	Non-fibrous 100 %		; d	
62	9070910	)12-62L1	No	NAD
21	Location: Plaster Walls	& Ceilings (Sand Fin	ish) / Mezz. Chiller Rm.	(by ĊVES) by Arturo A. Aldana
Description: Asbestos Types	Off-White, Heterogeneous	s, Non-Fibrous, Cerr	entitious, Plaster	on 09/05/07
Other Material	Non-fibrous 100 %			
62	9070910	012-62L2	No	NAD
21	Location: Plaster Walls &	& Ceilings (Sand Fin	ish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description Asbestos Types	Black, Heterogeneous, No	on-Fibrous, Mastic	-	on 09/05/07

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
63	907091012-63L1	No	NAD
21 L	(by CVES) by Arturo A. Aldana		
Description: O Asbestos Types:	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Other Material: N	on-fibrous 100 %		
63	907091012-63L2	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sar	nd Finish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: B Asbestos Types:	lack, Heterogeneous, Non-Fibrous, Ma	stic	on 09/05/07
Other Material: N	on-fibrous 100 %		
64	907091012-64L1	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sar	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: C	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Other Material: N	on-fibrous 100 %	*e	\$ N.
64	907091012-64L2	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sa	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: B	lack, Heterogeneous, Non-Fibrous, Ma	astic	on 09/05/07
Asbestos Types: Other Material: N	on-fibrous 100 %		
65	907091012-65	No	NAD
21 · L	ocation: Plaster Walls & Ceilings (Sat	nd Finish) / Roof Chiller Rm.	(by CVES by Arturo A. Aldana
Description: C	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Asbestos Types: Other Material: N	lon-fibrous 100 %		
66	907091012-66	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sa	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: C	off-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster -	on 09/05/07
Aspestos Types.			

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Client Name: Shaw Environmental & Infrastructure, Inc.

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## **PLM Bulk Asbestos Report**

Client No. / HG/	A Lab No.	Asbestos Present	<b>Total % Asbestos</b>			
67	907091012-67	No	NAD			
21	21 Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side					
Description			by Arturo A. Aldana			
Asbestos Types:	Oπ-white, Heterogeneous, Non-Fibro	us, Cementitious, Plaster	011 09/03/07			
Other Material:	Non-fibrous 100 %					
68	907091012-68	No	NAD			
22	Location: Plaster Walls & Ceilings (S	Smooth Finish) / Office Area - N. Side	(by CVES)			
			by Arturo A. Aldana			
Description:	Beige/White, Heterogeneous, Non-Fit	prous, Cementitious, Plaster	on 09/05/07			
Aspestos Types: Other Material:	Non-fibrous 100 %					
60	007001012-60	No	NAD			
22	Location: Plaster Walls & Ceilings (S	Smooth Finish) / Office Area - N. Side	(by CVES			
			by Arturo A. Aldana			
Description:	Beige/White, Heterogeneous, Non-Fit	brous, Cementitious, Plaster	on 09/05/07			
Asbestos Types:	Non fibroup 100 %	s.,				
Other Waterial.		21				
70	907091012-70	No	NAD			
22	Location: Plaster Walls & Ceilings (	Smooth Finish) / Office Area - N. Side	(by CVES by Arturo A. Aldana			
Description:	Beige/White, Heterogeneous, Non-Fi	brous, Cementitious, Plaster	on 09/05/07			
Asbestos Types:	Non fibrous 100 %	• .				
Other Material:		·				
71	907091012-71	No	NAD			
22	Location: Plaster Walls & Ceilings (	Smooth Finish) / Office Area - N. Side	(by CVES			
Decerintien		have Concellitions Director	by Arturo A. Aldana			
Ashestos Types:	Beige/white, Heterogeneous, Non-Fil	brous, Cementitious, Plaster	011 03/03/01			
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			
Description:	Beige/White, Heterogeneous, Non-Fi	brous, Cementitious, Plaster	on 09/05/07			
Asbestos Types	: 					
other Material						

Client Name: Shaw Environmental & Infrastructure, Inc.

### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA       Lab No.       Asbestos Present       Total % Asbesto         73       907091012-73       No       NAD         22       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD       (by CVE) by Arturo A. Aldana on 09/05/07         74       907091012-74       No       NAD         72       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         74       907091012-74       No       NAD         72       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       (by CVE) by Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %       Totan allow a ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       (by CVE) by Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %       Totanalyzed: 9/5/2007       9/17/207         NAD       Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         Not analyzed By: Arturo A. Aldana 2/2020 period Ceiling Limits: CVES = 1%, 400 Pt Ct = 0.4%, 100 Pt Ct = 0.1%; 1NA not analyzed; NA/PS = not analyzed politive stop: PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M-432-020 per 40 CFR 763 (NUAP Lab #20326-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detec asbestos in floor coverings and similar NOB mater		*** En al		
73       907091012-73       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       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 Arturo A. Aldana on 09/05/07       NAD         23       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         24       907091012-74       No       NAD         25       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       Obj Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %         Reporting Notes: NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.4%; NA not analyzed; NAPS = not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 ase EPA Advisory for floor tile, FR 4 146, 38970,	Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: by Arturo A. Aldana on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         74       907091012-74       No         72       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: by Arturo A. Aldana on 09/05/07         74       907091012-74       No         72       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: 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 AM FDY AWDO AWD The Analyzed: 9/5/2007 1/17207-         NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 000/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 mon-asbestos-containing in New York State (also see EPA Advisory of floor dives of the read or son-asbestos-containing in New York State (also see FDA Advisory of floor tile, FR 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full w	73	907091012-73	No	NAD
Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N, Side (by CVE by Arturo A. Aldana on 09/05/07       MAD         23       Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       No       NAD         24       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N, Side (by Arturo A. Aldana on 09/05/07       MAD =       No         25       Coterting Notes:       Other Material: Non-fibrous 100 %       No       No       No         Reporting Notes:         Analyzed By: Arturo A. Aldana (ANED)       Muto Byte Analyzed: 9/5/2007       9/15/2007       9/15/2007         NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.1%; NA not analyzed; NAPS = not analyzed / positive stop; Pt Un (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #2002/946-0, CA ELAP lab #2022/9). Note: PLM is not consistently reliable in detec 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, FF 146, 38970, 8/1949. NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of th	22	Location: Plaster Walls & Ceilings (Sm	ooth Finish) / Office Area - N. Side	(by CVES) by Arturo A. Aldana
Other Material: Non-fibrous 100 %         74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       by Arturo A. Aldana on 09/05/07         Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       on 09/05/07         Asbestos Types:         Other Material: Non-fibrous 100 %         Reporting Notes:         Analyzed By: Arturo A. Aldana <i>LAN FOH</i> Arturo Materials: OKDS = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed; NAPS = not analyzed; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed; NAPS = not analyzed; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed; NAPS = not anal	Description: Asbestos Types:	Beige/White, Heterogeneous, Non-Fibro	us, Cementitious, Plaster	on 09/05/07
74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side       (by CVE         by Arturo A. Aldana       on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         Material: Non-fibrous 100 %         Male Provide Aldana / AN FON AND Materia to the only of C1 = 0.25%, 1000 Pt C1 = 0.1%; NA         NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt C1 = 0.25%, 1000 Pt C1 = 0.1%; NA	Other Material:	Non-fibrous 100 %		·
22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE by Arturo A. Aldana on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         Reporting Notes:         Analyzed By: Arturo A. Aldana / AV For       MWD Amore the Analyzed: 9/5/2007	74	907091012-74	No	NAD
Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster on 09/05/07 Asbestos Types: Other Material: Non-fibrous 100 %  Reporting Notes: Analyzed By: Arturo A. Aldana <u>ANJ FDY</u> <u>AWWO</u> <u>Mut</u> Togte Analyzed: 9/5/2007 <u>9/17/2005</u> "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/M-38-2020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 § 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-eport relates ONLY to the Items tested. Reviewed By:	22	Location: Plaster Walls & Ceilings (Sm	ooth Finish) / Office Area - N. Side	(by CVES) by Arturo A. Aldana
Reporting Notes: Analyzed By: Arturo A. Aldana <u>AN For</u> <u>AWWO</u> <u>Mutog</u> te Analyzed: 9/5/2007 <u>9/17/2007</u> "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 detect 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 § 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: <u>Mutod</u> <u>AUMWO</u>	Description: Asbestos Types: Other Material:	Beige/White, Heterogeneous, Non-Fibro	ous, Cementitious, Plaster	on 09/05/07
	Analyzed By: Artu *NAD = no asbesi not analyzed; N/ 600/M4-82-020 p asbestos in floor of material can be c 146, 38970, 8/1/9 approval of the la Reviewed By:	uro A. Aldana <u>240 F04</u> <u>ITVT00 Wa</u> tos detected; Detection Limit <1%; Reporting A/PS = not analyzed / positive stop; PLM (po er 40 CFR 763 (NVLAP Lab #200346-0, CA is coverings and similar NOB materials. TEM is onsidered or treated as non-asbestos-contain 04). NIST Accreditation requirements manda boratery. This PLM report relates ONLY to the approximation of the second second second second second second boratery. This PLM report relates ONLY to the second se	g Limits: CVES = 1%, 400 Pt Ct = 0.25% blarized light microscopy) Bulk Asbestos ELAP lab #2322); Note: PLM is not cor s currently the only method that can be ning in New York State (also see EPA A te that this report must not be reproduce he items tested.	6, 1000 Pt Ct = 0.1%; NA s Analysis by EPA hisistently reliable in detect used to determine if this Advisory for floor tile, FR ed except in full with the

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## SHAW Environmental & Infrastructure

Data	09/21/07	
Date:	0010104	
Client:	GE AVIATION	
Site:	1700 BUS. CTR. DR. DUARTE, CA	
Project No.:		
Inspector(s)	RICK MCKENNA	PSIOF5

#### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
01	01	12"x re" CREAN FLOOR THE +	MANNT. OFFICE			2	4
02		TAN MASTIC				1	1
03		V	SHAR RE OFFICE			V	V
04	50	12"XIZ" GRAM FROORTILE +	SHIP / REC. OFFICE			N	4
05		MASTIC	FIRST AD			1	1
06		+	BAEAK ROOM	V		Y	V
07	03	12"x12" CREAM/RUST From Thet	REPRODUCTION ROOM			Ν	4
08		1 MASDE	Rep. STORAGE RM				
09	$\vee$	$\checkmark$	GAGE ROOM			V	1
10	04	12"×12" TAN FLOOR THE +	MEZZAMNE - REP. STORAGE RM			N	4
1(		MASTIC	WOM, RR				
12	$\mathbf{V}$	$\checkmark$	WOM. BR FOYER			$\checkmark$	V
13	05	12"×12" WHITE FROM THE &	MEZZANINE - OFFICE			N	4
14		MASTIC		1			
15	V	V	X X	$\mathbf{V}$		V	V
NA = Not Ar ND = Not Dr N = Negative	nalyzed etected	Friable: Friability Codes: N = Non-friable; F = Fria Cond.: Condition Codes: G = Good; F = Fair; P = F	Poor Recid By FAuls	حمو	9/4/07	[01]	)

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907091012

Date:	08131107	
Client:	GE AVIATION	
Site:	1700 BUS. CTR DR. DUARTE, CA	
Project No.:		
Inspector(s)	RICK MCKONMA	PSZOF 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.	MAINTOFFICE	VNDET.		F	6
17	(	TRAN. FSCORPATT	BREAK ROOM				
18	V	$\checkmark$		V		V	V
19	07	2'X4' COUNT PAPES	OFFICE AREA-FRONT	UNDET.		F	4
20	1	1 RANDOM FISCHER PAT.					
21	V		V - MEZZZAMINE	$\checkmark$		$\checkmark$	V
72	08	2'X4' CEILING PANERS	REPRODUCTION ROOM	UNDET.		F	4
23		1 -TRAV. PATTERN	MEZZ. OFFICES (HARMAN)			1	
24	V		Conf. Rn - B. Rapo Am	V		V	$\checkmark$
25	09	2'XZ' CEILING PANELS	CONF RM	UNDET.		F	4
26	1						
Z7	V		¥	V			
28	10	CERLING TILE MASTIC (12"XIZ"THE)	CORROOR - By Reno Rm.	UNDET.		N	4
29	1	(SMOOTHTILE)	CORR. DOR - BY PRODUCTON TET				
30	V	$\checkmark$	SHIPPINGOFFICE	$\checkmark$		V	$\checkmark$
NA = Not Ar ND = Not De N = Negative	alyzed etected	Friable: Friability Codes: N = Non-friable; F = Fria Cond.: Condition Codes: G = Good; F = Fair; P = P	ble Rocci By Bulle	10 91	4/07 /	018	

9	Ó	7	09	1	0	1	2
9	0	7	0.2	1	U	1	2

Date:	08/31/07	
Client:	GE AVINTON	
Site:	1700 BUS CTR. DR. DUARTE, CA	
Project No.		
Inspector(s)	RICK MCKENNA	R-31+5

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#### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
31	11	12"x12" CEILING TILE (TOT ROO)	CORR. DOR- BY PROD. GRIMO	UNDET.		F	4
32							
33	$\checkmark$	$\checkmark$	V			$\checkmark$	V
34	12	CEILING TILE MASTIC (UNDER	CORRIDOR - BY PROD GRIND	UNDET.		N	4
35		TERT. P'x P'TUE	1				
36	$\vee$		1 1			V	$\checkmark$
37	13	PIPE FITTING INSULATION	By MEZZ. FRAN RM	UNDET.		F	4
38	i	- Lo-PMES					
39	$\vee$	L	T T	V		V	
40	14	PIPE FITTING INSULATION	Bu LEEZ FON RM	UNDET.		F	6
41		-Sh. Pipes	MERZAHIME STORANE				
42	$\checkmark$	V	CERLING PLENCH	V		V	V
43	15	TEXTURE COAS ON MESAL	EXTERIOR - SOUTHSIDE	UNDET.		N	65
44	1	SIDING	V - VETSIDE				
45	$\bigvee$		RODE - NORTHSIDE	V		V	V
NA = Not Analyzed ND = Not Detected N = Negative Friable: Friability Codes: N = Non-friable; F = Friable B Rocci Ry Bullice 9/4/0/00 Cond.: Condition Codes: G = Good; F = Fair; P = Poor B Rocci Ry Bullice 9/4/0/00						)	

Date:	08/31/07	
Client:	GE AVIATION	
Site:	1700 BUS. CTR. DR. DUARTE, CA	
Project No.:		
Inspector(s)	TRICK MCKENNA	PS40F5

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907091012

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#### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
46	16	DREWALL +JOINT COMPOUND	BREAKROOM	VNDET		N	6
47	1	WALLS RETUNES	FAR. OFFICES	(		1	1
48		$\checkmark$	OUTSIDE FAD OFFICES	V		V	V
49	17	DRYWALL + JOINT COMPOUND	MAINT. OFFICE (NC)	UNDET.		N	K
50	1	WALLS (CELINGS	×				1
51		1 1	OUTSIDE MAINT OFFICE	V		×	V
52	18	DRYWALL + JOINT COMPOUND	METERAMINE (ABOVE REP. RM)	UNDET-		N	5
53		WALLS /CEILINGS					
54	V	V V		V		V	V
55	19	BROWN BASEBOARD MASTE	MEZZANINE - Rep. STORAGE AM	UNDES.		N	4
56	1		OFFICE - BY DROP. TEST.			1	1
57	V		OFFICES- NORTH S. DE			V	V
58	20	SPRA-APPLIED ACOUSTIC	NW STATRUEL			F	4
59	1	CEILING MATERIA	NE STANEWER				(
60			OFFICES - NW CORNER.			V	V
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							

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#### Date: 08/31/07 Client: GE AVIATION Site: 1700 BUS. CTR. DR. DUARTE, CA Project No.: Inspector(s) RICK MCKETMA PG 50F5

#### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
61	21	PLASTER WALLS & CALINGS	MEZZ. CHILERAM	UNDETI		N	5
62	1	(SAND ANISH)		1		1	1
63							
64							
65			ROOF CHILLER RM				
66			1				
67	V	V	$\checkmark$			V	V
68	22	PLASTER WARS + CALINES	OFFICE AREA - N.S.DE	UNDET.		N	4
69		(SMOOTH FINISH)					
70							
71							
72							
73			,				
74	V	$\bigvee$	$\sim$	V	-	$\checkmark$	V
VA = Not Analyzed ND = Not Detected N = Negative N = Nogative N = Not Analyzed N = Not Detected N = Not Analyzed N = Not Analyzed							<del>,</del>

9070 1012

## APPENDIX B SAMPLE LOCATION DIAGRAM



- No asbestos was detected
- Asbestos was detected in at lea one sample of homogenous are - Presumed asbestos-containing

Not to scale

Sample Location Diagram



#### 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 DBR



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

Dowty Aerospace, Inc. RE: **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 Luarte, 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 mahufapturing process:

Chemical	Contents 544	CITY ON Qty Used
PemSolv	Ester, Ketone (45%), Benzene	100-150 gations /60 to 80 di ys
	(0.02%)	
Stoddard Solvent	Mineral Spirits	500 - 800 gallons/60 to 80 da/s
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 Geotoorphic 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 no theast; 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: <u>one</u> probe to 5-feet below ground surface (bgs) on <u>each</u> side of the above-ground solvent tanks;
- Outside the oil-storage area along the facility west wall: <u>one</u> 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): <u>one</u> probe to 5 feet and <u>one</u> to 15feet bgs. This location is also situated adjacent to a former underground waste-liquid tank;
- Along the sump gutter in the pump dock area: <u>three</u> 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: <u>one</u> 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: <u>one</u> 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.

Sample	Depth	PCE	Freon 113	Other VOCs
Location	(feet)	(µg/l)	(µg/l)	
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

#### Chemical Results for Soil Vapor Samples Collected June 12 and 13 1997 Dowty Aerospace, Inc.

Notes:

 $\mu g/l$  - 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  $\mu$ g/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
#### REFERENCES

- California Department of Water Resources (CDWR), 1966. Geohydrology in Planned Utilization of Groundwater Basins: CDWR Bulletin No. 104-2, Appendix A.
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### FIGURES

- Figure 1. Site Location MapFigure 2. Site MapFigure 3. VOC Distribution Map











## **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*.<sup>p</sup>*robe*), 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 or e 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 chain-of-custody, immediately а and transferred to HydroGeoSpectrum's laboratory for chemical a halysis.

## APPENDIX B

Q/A-Q/C Procedures and 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 <u>pump-end</u> 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 a which concentrations stabilize.

#### FIELD QC SAMPLES

Field sampling procedures are evaluated by the use of field QC samples such as sample blarks 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:

[Sample Result - Duplicate Sample Result] RPD = \_\_\_\_\_\_ x 100 [(Sample Result + Duplicate Sample Result)/2]

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 <u>March 24, 1997</u>. The surrogate calibration curves were run and the daily standard analyzed on <u>June 12 and 13, 1997</u>. 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 corducted 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.

KELATIVE PERCENT DIFFERENCE					
SAMPLE	PCE				
NUMBER					
SVP-2-5	ND				
Duplicate	ND				
RPD	0				

The RPD for PCE did not exceed the  $\pm 20\%$  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

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Prepared by:



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## Appendices

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



## **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



#### 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.

31/18 Date

David Blankenhorn, P.G. State of California Professional Geologist #7009





### 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<sub>4</sub>-C<sub>12</sub>]), total petroleum hydrocarbons as diesel (TPH-d [C<sub>13</sub>-C<sub>22</sub>]), and total petroleum hydrocarbons as heavy oil (TPH-ho [C<sub>23</sub>-C<sub>40</sub>]) 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 55gallon 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.



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).



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.



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# Figures









# 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 P	etroleum H	lydrocarbor	ns (mg/kg)	TPH-GRO (mg/kg)	Volatile Organic Compounds (mg/kg)	Semi-Volatile Organic Compounds (mg/kg)	Polychlorinated Biphenyls (mg/kg)
			TPH-g	TPH-d	TPH-o	Total TPH	(			
			(C6-C12)	(C12-C22)	(C22-C44)	(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	Below Respective Method Detection Limits	Below Respective Method Detection Limits		
CSB3-6	7/5/2018	6	6 <1.0 <1.0 <1.0 <1.0 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 <sup>2</sup> Residential Site	s (Shallow Soils <10-ft bgs)	740	230	11,000		740	Varies by Compound (Acetone - 59,000)	Varies by Compound	0.25
ESL <sup>2</sup> Com	mercial/Industrial Site	s (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 <sup>2</sup> Lea	ching to Groundwate	(Assume - Drinking Water)	770	570			770	Varies by Compound (Acetone - 0.50)	Varies by Compound	6.3
	ESL <sup>2</sup> Cor	struction 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) <sup>3</sup>	500	1,000	10,000		500	Varies by Compound (Acetone-NA)		
LARWQCB Screenin	g Level (distance abov	ve groundwater >150 feet) <sup>3</sup>	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 <sup>3</sup> 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 <sup>3</sup> Com	mercial/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 <sup>3</sup> 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 <sup>4</sup>		NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DTSC Background Me	etals at Los Angeles Unifie	ed School Sites - Arsenic⁵	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 1 Neumann Way 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**

#### Intreduction

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;

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- 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 95<sup>th</sup> 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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Appendix C	Laboratory Reports

## 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 Exceed- ing 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 1,1dichlororethane, 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 Exceed- ing 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	Quantity	Range of Detects	Quantity Exceed-	Quantity Exceeding
	Samples	Detected	(mg/kg)	ing US EPA Criteria	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	Quantity	Range of Detects	Quantity Exceed-	Quantity Exceeding CA
_	Samples	Detected	(mg/kg)	ing US EPA Criteria	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** 



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APPENDIX C: Laboratory Reports

TABLE 1 : Summary of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Duarte, Gelifornia

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Exceeds California Office of Environmental Health Hazard Assessment (CA OEHHA), Say 2010 Sak-Streening Numbers for Normolable Chemicale Based on Total Epocose to Contaminated Sain Healation, Ingestion and Dermal Assorption, Resteration, Sain Screening American for Normolabilic Darraicel Based on Total Epocose to Californiated Sain Healand and Healand and Assorption, Commercial / Industrial, Industrial Sai, Residential Sai, Potedion of GNI, Risk Based on Potedion of GNI, MCL Based

Exceeds US Environmental Poledicion Agency (USEPA) Gimmic Screening Levels, May 2010 Sel-Screening Numbers for Nemotable (Onemcials Based on Tada Depouse to Continuinded Sal): Inhaldion, Ingestion and Demail Absorption, Residential, Sol-Screening Numbers for Nemotablic Tomains Sandon Totals Dippous for Continuind Sal Sal Natabato, hapditana de Demail Absorption, Commercial Industrial, Hadrafia Sal, Residential Sal, Potedion of GN, Risk Based or Potedian of GN, MC, Based

			енни,			ISEPA		S0-01-1.0 S8	01-22.5 Si	8-02-15-SO	SB 42.7.5 SO	S0.02-14-50	\$0.00.1.0	\$0.43.6.7	SB-03-11 SB-	04.1.5 SO	SB-04-2.0-SO	SB-04-15-SO	SB 05A 1.8	SB 050-8.0	50 (60 14.1	SB.08-1.5	58-06-7.0	SB-00-15	\$8.07.01	\$0-08-1.5	SB-00-7.0	\$0.00.15	SB 09 1.0 B
Analyte dry Group)			Renautional		Residential	Protection of	Protection of GWL																						
		manarisi 500	Salt	dialogni al sont	Snil	La COL FORMA	MCL Based	9.44ar.11 9.	Mor 11	9-14ar 11	9.66er-11	si-tag -11	9.03m 51	940ar 11	9.tda-11 9	Mag 11	9-66-9-11	9 Mar 11	81-Mor-11	16-Mar-11	10-10ar-11	10 Edar: 11	10-bbar 11	10-Mbr-11	10 Mar - 11	10-Mar-11	10 Mar-11	10-Mar 11	11) Mar 11
Weta/s																													
Antimony	mg/kg		380	410	31	0.66	0.27	0.64 B, J	19 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		0.58 J	0.3 U	0.3 U	0.3 U	0.36 J	<u>. 11 J</u>	0.48 J
Arsenic	mgnig		63.000	1.6	0.39	0.0013	82	83	91	120	15	29	5.6	150	5.Q 72	2.5	10	4.5	150	2.4	2.5 85	3.9	29 67	88	5.7	73	2 3 8 7	A.2	1.9
Bervlium	ma/ka		190	2.000	160	58	32	0.48 M2 J	0.33	0.39	0.22	0.21	0.37	0.32	0.73 1	0.23	0.2	0.21	0.51	0.3 U	0.3 U	0.43	0.3 U	0.3 U	0.41	0.3 U	0.3 U	0.3 U	0.33 1
Cadmium	mgðig	1.7	7.5	800	70	1.4	0.38		0.1 U	0.1 U	0.1 U	0.1 U	0.14	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		20	19	35	. 12	10	17	23	18	12	16	16	- 13			21	15	
Copper	mgñig	3,000	38,000	41,000	3,100	51	46	17 N2	20	22		18	23	24	15	-14	17	14	23	15	16	18	2012/201 <b>1</b> /2022	9.7	19	10	14	16	15
Lead	mg/kg	80	320	300	400		14	15	3.5	0.025	3.3	3.5	13	15	8.8	4.1	3.1	28	1.8	4.5	2.9	19	0.052	2.5	13	25	5.2	0.11	4.9
Molybdenum	maña	380	4,800	5,100	390	3,7	-	0.2 U	02 U	0.27 J	0.79 J	0.5 J	0.27 )	0.63 J	2.6	0.2 U	0.94 J	0.71 J	02 U	0.61 B.J	0.92 6. 1	0.7 B.J	0.57 B.1	0.2 U	0.2 U	0.27 8.1	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		(	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	05 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	maniq	380	4,800	5,100	390	1.6	-	0.1 U	0.1 U ·	. 0.12. J. 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
Tinc	mgmg	23,000	100.000	310,000	47,000	5,500		1.3 MT	35	1.3 0	1.3 0	1.3 0	1.3 0	1.3 U	38	39	13 0	1.3 0	1.3 0	31	28	1.5 0	1.5 0	1.3 0	1.5 0	1.3 0	1.3 0	30	42
Volatile Organic Compounds S	00	20,000			20,000											0005000000	<u> </u>					1	L						74
1,1,1,2-Tetrachloroethane	mgñig	-	· ·	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 0.00	0045 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	32	0.07	0.00052 U	- 0)	.00057 U	0.00059 U	0.00062 U	0.00056 U	0.00052 U	0.00052 U 0.00	0055 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 0.00	0068 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-monordemane	maðia			17	3.3	0.000078	0.0016	0.00084 0		0.0004 11	0.00092	0.00018	0.00063 0	0.00037 U	0.00084 0 0.00	0063 0	0.00039 U	0.00062 0	0.00039 U	0.00042 U	0.000/3 U	0.00041 U	0.0007 0	0.00082 0	0.00083 0	0.00068 0	0.00085 0	0.00038 11	0.00088 0
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 0.00	0047 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 0.00	0032 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 0.00	0079 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 - Irichloropropane	mg/kg	1	+ : -	0.035	0.005	0.00000031	. 02	0.000/4 U	- 0,	.00081 U	0.00085 U	U 000089 U	0.0008 U	0.00074 U	0.00074 U 0.00	0079 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	maña			260	62	0.021	02	0.00074 0	. 01	00063 U	0.00066 U	0.00069 U	0.00062 U	0.00074 0	0.00074 0 0.00	0073 U	0.00061 U	0.00056 U	0.00061 U	0.00065 U	0.00067 U	0.00065 U	0.00063 U	0.00055 U	0.00075 U	0.00059 U	0.00075 U	0.00078 U	0.00078 0
1,2-Dibromo-3-chiloropropane	mana			0.069	0.0054	0.00000014	0.000086	0.0011 U	. 0	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0011 U 0.0	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)	mgñig	-		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 0.00	0063 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	mgðig			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 0.00	0075 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 0.00	0063 U	0.00063 U	0.00067 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 1,3,5,Trimethylbenzene	maðia			4.5	780	0.00013	0.0017	0.00033 0	. 0)	00063 0	0.00068 0	0.00071 0	0.00064 0	0.00033 0	0.00035 0 0.00	0065 0	0.00049 U	0.00045 U	0.00062 0	0.00067 0	0.00065 U	0.00066 0	0.00051 U	0.00057 0	0.0006 0	0.0006 0	0.0006 0	0.00061 0	0.00062 0
1,3-Dichlorobenzene	mana	-		-			-	0.00062 U	. 0)	.00068 U	0.00071 U	0.00075 U	0.00067 U	0.00062 U	0.00062 U 0.00	0066 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 0.0	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	mgñig	-		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 0.00	0074 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	-		-	-	. 0.74	-	0.00044 U	. 0)	00048 U	0.00051 U	0.00053 U	0.00048 U	0.00044 U	0.00044 U 0.00	0047 U	0.0004/ U	0.00043 U	0.0004/ U	0.0005 0	0.00052 U	0.0005 U	0.00048 0	0.00043 U	0.00045 U	0.00045 U	0.00045 U	0.00046 U	0.0004/ U
4.Chlorotoluene	mana			72,000	5,500	25		0.00064 0		0 00000	0.00074 0	0.00077 0	0.00069 U	0.00054 U	0.00054 U 0.00	0063 U	0.00058 U	0.00062 0	0.00068 0	0.00072 0	0.00075 0	0.00072 0	0.0007 0	0.00062 0	0.00065 U	0.00066 U	0.00055 U	0.00056 U	0.00058 U
Benzene	mania	-		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 0.00	0039 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 0.00	0066 U	U 38000.0	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	mgnig	-					-	0.00067 U	- 0)	.00073 U	0.00076 U	U 8000.0	0.00072 U	0.00066 U	0.00066 U 0.00	0071 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 Promofiorm	mg/kg	-		1.4	0.27	0.000032	0.022	0.00037 U		0.0004 U	0.00042 0	0.00044 U	0.0004 0	0.00037 U	0.00037 U 0.00	0039 0	0.00039 U	0.00036 0	0.00039 U	0.00042 0	0.00043 U	0.00041 0	0.0004 0	0.00035 U	0.00037 U	0.00038 0	0.00037 U	0.00038 0	0.00039 0
Bromomethane	ma/ka			32	7.3	0.0022	0.021	0.00068 U	. 0)	00074 U	0.00078 U	0.00082 U	0.00073 U	0.00068 U	0.00068 U 0.00	0073 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	0.00002 U
Carbon tetrachloride	mgñig	-		3	0.61	0.00017	0.0019	0.00037 U	. 0	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U 0.00	0039 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	mgñig	-		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 0.00	0041 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	ma/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 0.0	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
Chloromathana	mgnig			1.5	0.29	0.00053	0.022	0.00037 0		0.0004 0	0.00042 0	0.00044 U	0.0004 0	0.00037 U	0.0003/ 0 0.00	0039 0	0.00039 0	0.00036 0	0.00039 0	0.00042 0	0.00043 0	0.00041 0	0.0004 0	0.000.35 U	0.00037 0	0.00038 0	0.00037 0	0.00038 0	0.00039 0
cis-1,2-Dichloroethene	mana			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 0.00	0066 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 0.00	0035 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 0.00	0055 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 0.00	00/1 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
Phylaenzene	mang	- :	<u> </u>	780	180	0.0017	0.78	0.0011 0		0.0012 U	0.0013 0	0.0013 U	0.0012 0	0.0011 U	0.0011 0 0.0	0012 U 1039 II	0.0012 0	0.0011 0	0.0012 U	0.0012 0	0.0013 U	0.0012 0	0.0012 0	0.0011 0	0.0011 U	0.0011 0	0.0011 0	0.00038 U	0.0012 0
Hexachlorobutadiene	maña	-		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 0.00	0063 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
lsopropylbenzene	mg/kg			11,000	2,100	1.1		0.0004 U	- 0)	.000.44 U	0.00046 U	0.00048 U	0.00043 U	0.0004 U	0.0004 U 0.00	0043 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	mgñig	-					-	0.00059 U	· 0)	.00065 U	0.00068 U	0.00071 U	0.00064 U	0.00059 U	0.00059 U 0.00	0063 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	0.0053 U	0.0055 U	0.0058 U	0.0052 U	0.0048 U	0.0048 U 0.0	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
napritrialerie p.Bub/benzene	maðia			10	3.8	0.00042		0.00081 0	. 0)	00058 U	0.00063 0	0.00058 0	0.00058 U	0.00053 11	0.00053 U 0.00	0067 0	0.00056 0	0.00073 0	0.00035 0	0.00032 0	0.00095 0	0.00051 0	0.00058 U	0.00078 0	0.00054 11	0.00063 0	0.00052 0	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 0.00	0048 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	12		0.00037 U	. 0	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U 0.00	0039 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	0.00045J.;	0.00038 U	0.00037 U	0.00038 U	0.00039 U
p-Isopropy/toluene	mg/kg							0.00053 U	. 0)	.00058 U	0.00061 U	0.00064 U	0.00058 U	0.00053 U	0.00053 U 0.00	0057 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-Butybenzene	mg/kg	· ·	- · ·	-			-	0.0005 U	. 0.	.00054 U	0.00057 U	0.0006 U	0.00054 U	0.00049 U	0.00049 U 0.00	0053 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
orgrefië lert-Bublibenzene	mgaig			36,000	6,300	1.8	0.11	0.00043 0	. 0)	0.000447 U	0.00049 0	0.00052 U	0.00046 0	0.00043 U	0.00043 0 0.00	0046 U	0.00046 0	0.00042 0	0.00045 U	0.00048 0	0.0005 U	0.00048 0	0.0004/ 0	0.00041 U	0.00043 U	0.00044 0	0.00043 0	0.00044 U	0.00045 0
Tetrachloroethene	mg/kg	-	1	2.6	0.55	0.000049	0.0023	0.00043 J	0	.60063 . J	0.00042 U	0.00044 U	0.0017		0.00036 U 0.00	0039 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	0.0004 U	0.00042 U	0.00044 U	0.0004 U	0.00037 U	0.00037 U 0.00	0039 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	0.90047 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 0.00	0063 U	0.00063 U	0.00067 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
brans-1,2-Dichloroethene	maniq	· ·	<u> </u>	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 0.00	0055 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
Trichloroefhene	mg/kg		<u> </u>		- 2.8	0.00072	-	0.00045 0	. 0)	0.00048 U	0.00052 U	0.00054 U	0.00049 U	0.00045 U	0.00045 0 0.00	0048 U	0.00048 U	0.00044 U	0.0004/ 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	0.0004/ U
Trichlorofluoromethane	mana			3,400	790	0.83	0.0010	0.0004 U	. 0	.00044 U	0.00056 J	0.0012	0.00043 U	0.0004 U	0.0004 U 0.00	0043 U	0.00042 U	0.00039 U	0.00042 U	0.00045 U	0.00043 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 0.00	0072 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 Analylical Resolts Phase II Environmental Site Assessment GE Aviation - Dearte, Gelifornia

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Excerds California Office of Environmental Health Hazard Assessment (CA OEHHA), Say 2010 Sol-Sznening Numbers for Nonvolatile Chemical Based on Total Epocuse to Contaminated Sait Hubaldon, Ingestión and Dermal Assaytion, Restarial, Sait-Sznening Numbers for Nonvolatile Durnarios Based on Total Escoras to Cartaminated Sait Hubaldon, Hystorian and Damard Assorption, Commercial / Hoburbai, Industrial Sait, Residential Sait, Potedion of GW, Rait Based or Potedion of GW, MCL Based

Esceeds US Environmental Protection Agency (USEPA) Generics Screening Linvels, May 2010 Sail-Screening Numbers for Nemotable Chemicals Bisedentin Tdal: Biosceen to Contaminated Sail: Nublation, Ingestion and Dermal Absorption, Residental, Sail-Screening Annahrens for Nemonation Camarical Bacter of Total Esponse to Contaminated Sail: Natibuta Hypotim and Dermal Absorption, Commercial / Industrial, Industrial Sail, Residential Sail, Rotection of GM, Reis Based or Protection of GM, Mol, Based

		¢Λ¢	ERIN'			USEPA'		\$0.01.1.0	SE 01.22.5	SB-02-15-SO 1	al 42.7.5 SO	SB-07-14-50	\$0.03.1.0	\$0.034.7	SB-03-11	SB-04-15-SO	SB-04-7.0-SO	SB 04 15 SØ	SB-05A-1.8	SB-050-8.0	58 (68) 14.3	SH 06-15	\$8.06.70	SB-00-15	58-07-01	\$0-08-1.5	SB-00-7.0	\$0.02.15	SB 09-1.0.B
Analyte (ny Group)	Unit	Indonusi Soi	Residential Solt	Industrial Soil	Headenttal Soll	G W, Risk	Protection of GW. MCL Rased																						
Metals						s Basind		00.04.11		94.36.19	1.12.4 11	9-619-11	404.11		146-14-14	1 801 11	363 11		1.1.00	101032-01	24/04/04	auconar	104064-11	(Faile)	10.004-11	30-22-11	10.0536-11	<u>- 10 Mar 11</u>	0004010
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 1	1.1 J	0.48 J
Arsenic Barium	maka		63.000	1.6	0.39	0.0013	0.29	£9 86	3,7 91	3.8 120	1.5	29 77	3.6 110	110	3.6 72	25 71	13	4.6 110	4 150	2.4 89	2.5 85	3.9	29 67	2.2 88	5.7 96	14 73	2.3 87	4.2	94
Beryllium	mg/kg		190	2,000	160	58	32	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	mgðig	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	6.14 J	9.12 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
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	14 m2 D-1	20	22	51	18	20	24		14	17	14	23	18	16	ro 18	10	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	41	3.1	2,8	7.8	43	2.9	79	5	2,6	13	2.5	5.2	5	4.9
Mercury Molybdenum	mana	18 380	4,800	5,100	5.6 390	0.03		0.2 U	0.067 0.2 U	0.035	0.032	0.042 0.5 J	0.07 0.27 J	0.63 J	2.6	0.2 U	0.04 0.94 J	0,04 0.71 J	0.004/ 0.2 U	0.025 0.61 B.J	0.033 0.92 B. J	0.02 0.7 B.J	0.062 0.57.B.J	0.028 0.2 U	0.2 U	0.27 B.J	2.7 B	0.11 0.35 B.J	0.0,09 0.2 U
Nickel	mg/kg	1,600	16,000	20,000	1,500	48		9.6 M2	6.3	15	7,5	202011	14	14	9.9	8.9	7,4	8.5	16	9.4	6.3	12	10	8		7.8	7.4	10	10,000
Selenium	mgñig	380	4,800	5,100	390	0.95	0.26	0.5 0	0.5 U	0.5 0	0.5 U	0.5 U 0.1 U	0.5 U	0.5 U 0.1 U	0.5 U	0.5 U 0.1 U	0.5 U	0.5 U	05 U 01 U	0.5 0	05 U 01 U	0.5 0	0.5 U	0.5 U 0.1 U	0.5 U 0.1 U	0.5 U	0.5 U	0.5 U 0.1 U	0.5 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	13 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 Sam Molecki Occario Company	mg/ng	23,000	100,000	310,000	23,000	680	-	66					57	53	38			38			28				96				
1,2,4-Trichlorobenzene	mgnig	-	-	99	22	0.0068	0.2	0.1 U, RL1	0.05 U	0.5 U, RL1	0.05 U	0.1 U, RL1	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	0.12 U, RL1	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			- 25		0.00036	-	0.12 U, RL1	0.06 U	0.9 U, RL1	0.06 0	0.06 U	0.06 0	0.08 U	0.06 0	0.12 U, RL1	0.06 U	0.08 0	0.06 U	0.09 U	0.06 U	0.45 U, RL1	0.09 U	0.06 U	0.45 U, RL1	0.3 0, RL1 0.45 U, RL1	0.06 U	0.06 U	0.06 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	0.13 U, RL1	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 2,4,6-Trichlorophenol	mana	-		62,000 160	6,100 44	0.023		0.26 U, RL1 0.15 U, RL1	0.13 U 0.075 U	1.3 U, RL1 0.75 U, RJ 1	0.13 U 0.075 U	0.26 U, RL1 0.15 U, RL1	0.13 U 0.075 U	0.65 U, RL1 0.37 U, RL1	0.13 U 0.075 U	0.13 U 0.075 U	0.65 U, RL1 0.38 U, RI1	0.65 U, RL1 0.37 U, RL1	0.13 U 0.075 U	0.13 U 0.075 U	0.13 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	0.12 U, RL1	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 2,4-Dimethylphenol	mg/kg	+ : -	<u>  : </u>	12,000	1,200	0.86	- :	0.2 U, RL1	0.1 U	1 U, RL1	0.1 U	0.2 U, RL1	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-Dintrotoluene	mg/ng	-		5.5	1.6	0.00029		0.16 U, RL1	0.08 U	0.8 U, RL1	0.08 U	0.16 U, RL1	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 2-Chicennanbthalana	mg/kg			620 82.000	61	0.05		0.19 U, RL1	0.095 U	0.95 U, RL1	0.095 U	0.19 U, RL1	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-Chlorophenol	mg/kg			5,100	390	0.15		0.14 U, RL1	0.07 U	0.7 U, RL1	0.005 U	0.00 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.00 U	0.07 U	0.007 U	0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.003 U	0.00 U
2-Methylnaphthalene	mg/kg			4,100	310	0.75		0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.14 U, RL1	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-Metrytphenol 2-Nitroaniline	mang			51,000	3,100	0,15	-	0.16 U, HL1 0.12 U, RL1	0.06 U	0.6 U, RL1	0.08 U	0.06 U	0.08 U	0.06 U	0.08 U	0.16 U, HL1 0.12 U, RL1	0.06 U	0.08 0	0.08 U 0.06 U	0.08 0	0.08 U	0.4 U, RL1 0.3 U, RL1	0.08 U	0.08 U	0.3 U, RL1	0.4 U, RL1 0.3 U, RL1	0.08 U	0.08 U	0.08 U
2-Nitrophenol	mg/kg						-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.12 U, RL1	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 3-Nitroaniline	mana			3.8	- 11	0.00098	-	0.3 U, HL1 0.15 U, RL1	0.15 U 0.075 U	1.5 U, RL1 0.75 U, RL1	0.15 U 0.075 U	0.3 U, HL1 0.15 U, RL1	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U	0.15 U 0.075 U	0.75 U, RL1 0.37 U, RL1	0.15 U 0.075 U	0.15 U 0.075 U	0.75 U, RL1 0.38 U, RL1	0.75 U, RL1 0.37 U, RL1	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U				
4,6-Dinitro-2-methylphenol	mg/kg			49	4.9	0.005		0.22 U, RL1	0.11 V	1.1 U, RL1	0.11 U	0.22 U, RL1	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	mgñg			-	- 6 100			0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.15 U, RL1	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-Chloroaniline	mang			8.6	2.4	0.00014		0.24 U, RL1	0.12 U	1.2 U, RL1	0.12 U	0.24 U, RL1	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			- 2 100	2.10	. 0.15		0.17 U, RL1	0.085 U	0.85 U, RL1	0.085 U	0.17 U, RL1	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 Nitroaniine	mg/kg			86	24	0.0014		0.18 U, RL1	0.09 U	0.9 U, RL1	0.00 U	0.18 U, RL1	0.09 U	0.00 U	0.00 U	0.09 U	0.00 U	0.45 U, RL1	0.09 U	0.09 U	0.45 U, RL1	0.45 U, RL1	0.00 U	0.00 U	0.09 U				
4-Nitrophenol	mgñg	-	-	-	- 2.400		-	0.28 U, RL1	0.14 U	1.4 U, RL1	0.14 U	0.28 U, RL1	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								
Acenaphthylene	mg/kg			-				0.12 0, RL1	0.06 U	0.7 U, RL1	0.07 U	0.06 U	0.06 U	0.07 U	0.06 U	0.12 U, RL1	0.06 U	0.07 U	0.08 U	0.07 U	0.07 U	0.35 U, RL1	0.07 U	0.08 U	0.35 U, RL1	0.35 U, RL1	0.08 U	0.07 U	0.08 0
Aniline	mgnig			300	85	0.004		0.17 U, RL1	0.085 U	0.85 U, RL1	0.085 U	0.17 U, RL1	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								
Benzidine	mgng			0.0075	0.0005	0.00000024		1.3 U, RL1	0.08 U	6.6 U, RL1	0.08 U 0.66 U	0.06 U	0.08 0	0.66 U	0.08 0	1.3 U, RL1	0.08 U	0.08 U 0.66 U	0.08 U	U 33.0	0.08 U	3.3 U, RL1	0.08 U	0.08 U	3.3 U, RL1	3.3 U, RL1	0.08 U 0.66 U	0.08 U	0.08 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	0.14 U, RL1	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 Benzo(b)filuoranthene	mania		0.13	2.1	0,15	0.0035	0.24	0.11 U, RL1	0.055 U	0.55 U, RL1	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U	0.11 U, RL1 0.1 U, RL1	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.27 U, RL1 0.25 U, RL1	0.055 U	0.05 U	0.28 U, RL1 0.25 U, RL1	0.27 U, RL1 0.25 U, RL1	0.05 U	0.055 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	0.22 U, RL1	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 Benzoic acid	mgñig			21 2 500 000	240.000	0.35		0.14 U, RL1 0.3 U RL1	0.07 U	0.7 U, RL1 15 U RL1	0.07 U	0.07 U 0.15 U	0.07 U	0.07 U 0.15 U	0.07 U	0.14 U, RL1 0.3 U, RL1	0.07 U 0.15 U	0.07 U	0.07 U 0.15 U	0.07 U	0.07 U 0.15 U	0.35 U, RL1 0.75 U RL1	0.07 U	0.07 U 0.15 U	0.35 U, RL1 0.75 U, RL1	0.35 U, RL1 0.75 U, RL1	0.0/ 0	0.07 U 0.15 U	0.0/ 0
Benzyl alcohol	mg/kg			62,000	6,100	0.89		0.4 U, RL1	02 U	2 U, RL1	0.2 U	02 U	0.2 U	02 U	0.2 U	0.4 U, RL1	02 U	0.2 U	02 U	0.2 U	0.2 U	1 U, RL1	0.2 U	02 U	1 U, RL1	1 U, RL1	0.2 U	0.2 U	0.2 U
Bis(2-chloroethoxy)methane Bis(2-chloroethot)ether	mana			1,800	180	0.025		0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.14 U, RL1	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-chloroisopropyl)ether	mgñig			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 Butyl benzyl phthalate	mg/kg			120	35 260	0.51	1.4	0.18 U, RL1 0.16 U PL1	0.09 U 0.08 U	0.9 U, RL1 0.8 U RJ1	0.08 U	0.09 U 0.08 U	0.09 U	0.08	0.08 11	0.18 U, RL1 0.16 U, PL1	0.09 U	0.09 U	0.09 U 0.08 U	0.09 U	0.09 U 0.08 U	0.45 U, RL1 0.4 U PT1	0.09 U 0.08 U	0.09 U 0.08 U	0.45 U, RL1	0.45 U, RL1	0.09 U	0.09 U	0.09 U
Chrysene	mg/kg			210	15	1.1		0.15 U, RL1	0.075 U	0.75 U, RL1	0.075 U	0.15 U, RL1	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	mgñg	-		0.21	0.015	0.011		0.2 U, RL1	0.1 U	1 U, RL1	0.1 U	0.2 U, RL1	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								
Diethyl phthalate	mg/kg			490,000	49,000	12		0.12 U, RL1	0.095 U	0.95 U, RL1	0.095 U	0.12 U, RL1	0.095 U	0.095 U	0.05 U	0.095 U	0.095 U	0.3 0, 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	0.13 U, RL1	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-octyl phthalate	mg/kg				6,100	32		0.18 U, RL1	0.09 U	0.9 U, RL1	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.18 U, RL1	0.09 U	0.03 U	0.03 U	0.03 U	0.03 U	0.45 U, RL1	0.03 U	0.03 U	0.45 U, RL1	0.45 U, RL1	0.03 U	0.03 U	0.09 U
Ruoranthene	mgnig			22,000	2,300	160		0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.14 U, RL1	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	mging	-		1.1	0.3	0.00053	0.013	0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 0	0.07 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1 0.14 U, RL1	0.07 U	0.35 U, RL1 0.35 U, RL1	0.07 U	0.07 U	0.35 U, RL1 0.35 U, RL1	0.35 U, RL1 0.35 U, RL1	0.07 U	0.07 U	0.07 U				
Hexachlorobutadiene	maniq			22	6.2	0.0017	-	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.12 U, RL1	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 Hexachloroethane	make	-	1	3,700	370	0.68	0.16	0.18 U, RL1 0.13 U, RL1	0.09 U	0.9 U, RL1 0.65 U, RJ 1	0.09 U	0.065 U	0.09 U	0.065 U	0.09 U	0.18 U, AL1 0.13 U, RI 1	0.09 U	0.09 U	0.065 U	0.09 U	0.09 U	0.45 U, RL1 0.32 U, RI1	0.09 U	0.09 U	0.45 U, RL1 0.32 U, RL1	0.45 U, RL1 0.32 U, RL1	0.09 U	0.09 U	0.09 U
Indeno (1,2,3-od) pyrene	mg/kg	-		2.1	0.15	0.12		0.26 U, RL1	0.13 U	1.3 U, RL1	0.13 U	0.26 U, RL1	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 Naphthalene	mg/kg	-		1,800	510 3.6	0.023		0.12 U, RL1 0.12 U RL1	0.06 U 0.06 II	0.6 U, RL1 0.6 U, RJ 1	0.06 U	0.06 U 0.06 U	0.06 U	0.06 U 0.06 II	0.06 U	0.12 U, RL1 0.12 U, RL1	0.06 U	U 30.0	0.06 U 0.06 U	0.06 U	U 30.0	0.3 U, RL1 0.3 U R11	0.06 U 0.06 U	0.06 U 0.06 U	0.3 U, RL1 0.3 U BH	0.3 U, RL1 0.3 U, RL1	0.06 U	U 30.0	0.06 U
Ntrobenzene	mg/kg			24	4.8	0.000079		0.14 U, RL1	0.07 U	0.7 U, RL1	0.07 U	0.14 U, RL1	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-propylarnine N-Nitrosodinberodamine	mg/kg		<u>  : </u>	0.25	0.069	0.0000072		0.14 U, RL1 0.16 U PL1	0.07 U	0.7 U, RL1 0.8 U RJ1	0.07 U	0.07 U 0.08 U	0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.07 U	0.07 U 0.08 U	0.07 U	0.07 U 0.08 U	0.35 U, RL1	0.07 U 0.08 U	0.07 U	0.35 U, RL1	0.35 U, RL1	0.07 U	0.07 U	0.07 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	0.3 U, RL1	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	mgniq	-		-	48.000		· ·	0.12 U, RL1	0.06 U	0.6 U, RL1	0.06 U	0.12 U, RL1	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								
r nenði	mg/ng		1 .	180,000	18,000	5.0		0.18 U, HL1	0.03 U	0.3 U, RL1	0.03 0	0.00 U	0.03 0	0.09 0	0.03 0	0.16 U, HL1	0.00 0	0.03 0	0.00 0	0.03 0	0.03 0	0.40 U, RL1	0.03 0	0.09 0	1 / 1 <b>- KU</b> ] J	0.45 U, RL1	0.03 0	0.03 0	0.03 0
# TABLE 1 : Summery of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Drarte, Gelifornia

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Enceds California Office of Environmental Health Hazard Assessment (CA OEHHA), Sigo 2016 Sol-Sorvening Numbers for Nonvolable Chemicale Baeed on Total Egocuse to Containmated Soli: Hhalation, Ingestion and Demail Absorption, Besterlani, Sol-Sorvening Numbers for Nonvolabile Demarciale Based on Total Egocure to Containmated Soli: Hhalation, Ingestion and Demai Abcorption, Commercial Industrial, Industrial Sol, Besterlail Sol, Potection of CVR, Pas Based or Protection of CVR, Not Based

Esceeds US Environmental Protection Agency (USEPA) Generics Screening Linvels, May 2010 Sail-Screening Numbers for Nemotable Chemicals Bisedentin Tdal: Biosceen to Contaminated Sail: Nublation, Ingestion and Dermal Absorption, Residental, Sail-Screening Annahrens for Nemonation Camarical Bacter of Total Esponse to Contaminated Sail: Natibuta Hypotim and Dermal Absorption, Commercial / Industrial, Industrial Sail, Residential Sail, Rotection of GM, Reis Based or Protection of GM, Mol, Based

		C V O	erhin'			ISEPA		\$9-01-1.0	SB-01-22.5	SB-02-15-SO	SB-02-7.5 SO	SB-02-14-50	\$0.03.1.0	\$9-83-6.7	SB-03-11	SB-04-1.5-SO	SB-04-7.0-SO	SB-04-15-SO	SB-05A-1.8	SB 050-8.0	58.050 14.3	SH.06 5.5	\$8.06.70	SE 400-15	\$8.07.01	\$0.08-1.5	SB-06-7.0	\$0.08.15	\$8.09.1.0.8
A n-Ayte day Group)	Unit	Industrial Soil	Periodential Solt	Industri al Soil	Residental Sol	Protection of GW, Rosk Based	Protection of GW. MCL Based	8-86a - 11	0.48ar-11	9-blar - 11	9.65g-11	S-Mar-11	9.6Aar 11	980ar-11	9-16ar-11	9 Ale: 11	9-24a-11	9.85ar-11	19-Mar-11	164 <b>4</b> 9-11	10-13ar-11	10.66ar-11	10-bbar 11	Ni-Mar 11	16-bbar - 11	90-Mer 11	10-Mar-11	10-Ma-11	10-10ar 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:		0.51 J-	0.4	0.32	0.43 J	0.32 J	0.3 U		cost 1.4 costa	• · · · · · 0.58 · · J.	0.3 U	0.3 U	0.3 U	0.36 J	er er en 14 e de	0.48 J
Arsenic	mgñig	-	0.24	1.6	0.39	0.0013	0.29	3.9	3.7	3.8	15	2.9	3.6	5	3.6	25	1.9	46	4	2.4	2.5	3.9	2.9	2.2	3.7	14	23	4.2	1.9
Barium	mg/kg		63,000	190,000	15,000	300	82	86	91	120	150	$\mathcal{I} = \mathcal{I} = \mathcal{I}$	110	1110 110 110 110 110 110 110 110 110 11	72	31	55	110	150	89	85	100	67 / 11	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	mgñig	1.7	7.5	800	70	1.4	0.38	6.13	0.1 U	0.1 U	0.1 U	0.1 U	6.14 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		· · · · · · 14· · · · · ·		21	15	
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	17 M2	20	22	51	18	23	24	. 15	7.57.145755	17	14	23	15	16	18	<u>a (1977)</u>	9.7	19	10	14	16	15
Lead	mg/kg	80	320	800	400		14	16	3.6	11	3.3	3.6	13	16	8.8	41	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	02 U	0.27 J	0.79 J	0.5 J	0.27 )	0.63 J	2.6	0.2 U	0.94 ]	0.71 J	02 U	0.61 B, J	0,92 B, J	0.7 B, J	0.57 B 1	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	2010/11/22	14	14	9.9	8.9	7.4	8.5	10.000 16.000	9.4	6.3	12	10		Acres (11, 2022)	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	mgñig	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	mgñig	23,000	100,000	310,000	23,000	680	-	66		56												56			96				
Pyrene	mg/kg			17,000	1,700	120		0.16 U, RL1	0.08 U	0.8 U, RL	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL	1 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
Polychiorinated Biohenyls (PCB)																													
Araclar 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
Aroclar 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
Araclar 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
Araclar 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

a. U is diministrative annual and a second secon

Limin (MCL).
I alwardsky control Sample and/or Lakondary Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data nit impacted.
Mi - The Nit and/or MCD were above the acceptance limits due to sample matrix inferterioria. See Blank Spile (LCS)
Mi - Mo - The Nit and/or MCD were above the acceptance limits due to sample matrix inferterioria. See Blank Spile (LCS)
Mi - Mo - The Nit and/or MCD were above the acceptance limits due to sample matrix inferterioria. See Blank Spile (LCS)
R - The Relation MCD were above the acceptance limits due to sample matrix inferterioria. See Blank Spile (LCS)
R - The Relation be sample matrix information.
R - Relation be sample matrix information.

#### TABLE 1 : Summary of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Duarte, Gelifornia

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Docreds US Environmental Pededon Agency (USEPA) Generic Screening Levels, My 2010 Sol-Screening Numbers for Nemolable
 Odemcials Based on Tolia Elposove to Contaminated Sol: Initiation, feedina and Dermai Absorption, Readerial, 80-8-resering
 Numbers for Nemovalia Chemical Based in Tolia Elposove to Contrainated Sol Nationation, feedina and Reama Natorgton,
 Commercial I Industrial Based, Readential Ball, Pededion of GM, Riss Based or Pededion of GM, NoL Based

		CA C	енна			J SEP A <sup>1</sup>		S0.09.8.5 SB-09.13.5	SB-10-1.5 SB-10-8	\$0.11.01	50.117	981-11-15.5	Sili 12-1.0	00P-1	SB-12.8.5	DUP-02 S8		00P.4 SB-13-1	50.137	SØ-13-14	\$0.14.01	OUPE-3	SØ-14-07	SB-15-1.0	SB-15-10.3	SD 15 13.3
Analyte (try Group)	Unit		Resteletional		Herschuteal	Protection of	Protection of GWA							(58)-12-01i		(SB-13-8.5 to 12)						(58-14-1)				
		enementel etc.	Seil	AUDISTICA SIST		Hased	MCL Horsed	93-Mar-15 10-66ar-11	10-68ar-11 10-66ar-11	10 Mar. 11	10-1508-11	Silk Infant 11	41-Mar-11	11 Mar - 11	11 Mar-11	11 Ide 11 11	Mar 11	112458-11 11-6036-11	11 Mar-11	11-1dar-11	11.650-11	11-7day-11	11.Mar-11	11 Mar-11	11 Mar 11	11-Mar-11
Wetals														Colores States						· · · · · · · · · · · · · · · · · · ·						
Antimony	ng/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 I	J 0.3 U	0.3 U	0.42	0.3 U	0.3 U	0.88 J	0.37 J	0.83 J
Arsenic	ngilig		0.24	1.6	0.39	0.0013	0.29	3.B 2.3	3.5 2.8	3.7	\$	3.6	11	19	8.8	3	7,9	3.4 3	2.2	2.4	3.2	41	2.7	21	2	13
Bandhar	ng/kg		63,000	190,000	15,000	300	82	110 190	90 120	86	100	99	65	88	130	9/	240	9/ 100	95	87	1.30	1.90	8/	85	110	120
Cadmium	10/0	17	7.5	2,000	70	14	0.38	03 U 03 U	03 U 03 U	03 0	0.3 U	0.3 U	0.3 U	0.37 5	0.33 U	03 U	0.3 U	03 U 03 U	1 03 U	0.3 U	0.3 U	0.3 U	0.3 U	03 U	0.3 U	0.32
Chromium	mg/kg	-				-	180,000	25			23			16	22	20	17.J.	23 16	20	20	23	25			46	
Copper	ngilig	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	ng/kg	80	320	800	400	-	14	5.A 2.3	23 5	5.4	- 15	7.5	5.4	13	5.7	4,9	5.1	3.5 7.2	5	41	8.9	11	12	33	3.8	3.5
Mercury	ng/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	611	0.49 0.20 P	0.039 0.039	0.046	0.047	0.28	0.16	0.24	0.067	0.032	0.085
Nickel	10/0	1.600	4,000	20.000	1 500	48		1.3 b, 3 5.44 b, 10 10	J 02 0 1/4 0, J	10	0.74 Dr. 17	83	9,4 b, J 9,3	0.23 B, J	9,00 D,	13 134 D, J	0.67	1,3 D, J 0,2 1	94	74	14	15	9,46 D, J 8.8	83	0,0 b, J	0.55 15,
Selenium	ng/kg	380	4,800	5,100	390	0.95	0.26	0.5 U 0.5 U	05 U 05 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	J 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	ngilig	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	6.11, B, J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U 0.1 U	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
Tin	mg/kg			610,000	47,000	5,500		13 U 13 U		1.3 U	1.3 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U 1.3 U	J 1.3 U	1.3 U	1.3 U		1.3 U	1.3 U	1.3 U	1.3 U
Zinc	ng/ig	23,000	100,000	310,000	23,000	680	-	43 42	59 39	35	1 59	- 39	33	43	41	44	89	32 4/	35	33		68		33	39	39
1.1.1.2-Tetrachimethane	70.00	-	Ι.	9.3	19	0.0002	-	0.00047 U 0.00043 U	0.000.47 U 0.00045 U	0.00049 U	0.00047 U	0.00042 U	0.00039 U	0.00039 U	0.000.44 U	0.00042 U 0.0	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	ng/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	0.00048 U	0.00048 U	0.00054 U	0.00051 U 0.0	10059 U	0.00061 U 0.0005 U	J 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	ng/lig			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	0.00059 U	0.00059 U	0.00066 U	0.00063 U 0.0	00073 U	0.00074 U 0.00061 U	J 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	ng/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	0.0006 U	0.00059 U	0.00067 U	0.00064 U 0.0	00074 U	0.00075 U 0.00062 U	J 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	mg/kg mg/kg			1/	3.3	0.00069	- 0.0005	0.00041 U 0.00037 U	0.00041 U 0.0004 U	0.00043 U	0.00042 0	0.00037 U	0.00035 U	0.000034 U	0.00039 U	0.00036 U 0.0	20042 U	0.00043 U 0.00036 U	0.0004 U	0.00003 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00009 U	0.00037 U
1 1-Dichlaropropene	19/19 10/10			-	- 240	0.12		0.00033 U 0.0003 U	0.00033 U 0.00032 U	0.00035 U	0.00033 U	0.00029 U	0.00028 U	0.00027 U	0.00031 U	0.00044 0 0.0	00034 U	0.00035 U 0.00028 U	J 0.00032 U	0.00040 U	0.00048 U	0.0004/ 0	0.00042 U	0.00029 U	0.00047 U	0.0003 U
1,2,3-Trichlorobenzene	ng/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	0.00069 U	U \$3000.0	0.00077 U	0.00073 U 0.0	10085 U	0.00087 U 0.00071 U	J 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	ng/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	0.00069 U	0.00068 U	0.00077 U	0.00073 U 0.0	00085 U	0.00087 U 0.00071 U	J 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	ng/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	0.00069 U	U \$3000.0	0.00077 U	0.00073 U 0.0	10085 U	0.00087 U 0.00071 I	J 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- Irimethyloenzene	ng/kg			260	62	0.021	-	0.00064 U 0.00068 U	0.00064 U 0.00062 U	0.00067 U	0.00065 U	0.00067 U	0.00054 U	0.00063 U	0.0000 U	0.0005/ U 0.0	0066 U	0.0006/ 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
12-Dibromethane (EDB)	1939 1030			0.083	0.0034	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	0.00055 U	0.00054 U	0.000@ U	0.00058 U 0.0	10068 U	0.00069 U 0.00057 U	J 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	19/19			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	0.00066 U	0.00065 U	0.00073 U	0.00069 U 0.0	00081 U	0.00082 U 0.00068 U	J 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	ng/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	0.00055 U	0.00054 U	0.00062 U	0.00058 U 0.0	00068 U	0.00069 U 0.00057 U	J 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	ന്ദ്യൾയ			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	0.00055 U	0.00054 U	0.00062 U	0.00058 U 0.0	00068 U	0.00069 U 0.00057 U	J 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	ng/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	0.00044 U	0.00043 U	0.00049 U	0.00046 U 0.0	10053 U	0.00054 U 0.00045 U	0.0006 U	0.00047 U	0.00048 U	0.00049 U	0.00044 U	0.00046 U	0.0005 U	0.00047 U
1.3-Dichloropenzerie	mg/ng			20.000	1.600	0.25		0.00063 0 0.00063 0	0.00063 0 0.00067 0	0.00073 0	0.0007 0	0.00062 0	0.00044 11	0.00043 U	0.00049 11	0.00061 0 0.0	10071 U	0.00054 U 0.00045 U	0.00067 0	0.00063 0	0.00048 U	0.00049 U	0.00044 U	0.00061 0	0.00066 0	0.00063 0
1,4-Dichlorobenzene	ng/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	0.00065 U	0.00064 U	0.00072 U	0.00069 U 0	.0008 U	0.00081 U 0.00067 I	J 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	ng/kg							0.00049 U 0.00045 U	0.00049 U 0.00048 U	0.00052 U	0.0005 U	0.00044 U	0.00041 U	0.00041 U	0.00046 U	0.00044 U 0.0	00051 U	0.00052 U 0.00043 U	J 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	ngilig			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	0.0006 U	0.00059 U	0.00067 U	0.00064 U 0.0	00074 U	0.00075 U 0.00062 U	J 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-Uniorotoluene Ronzono	ngAg			72,000	5,500	2.5	0.0006	0.00061 0 0.00055 0	0.00061 0 0.00059 0	0.00064 U	0.00061 0	0.00054 0	0.00051 0	0.0005 0	0.00057 U	0.00054 0 0.0	30063 U	0.00064 0 0.00053 0	0.00059 0	0.00056 0	0.00056 U	0.00058 0	0.00052 0	0.00054 0	0.00058 U	0.00065 0
Bromohenzene	mana			1.800	300	0.00021	0.0026	0.00041 0 0.00067 0	0.00041 0 0.0004 0	0.00043 0	0.00042 0	0.00057 0	0.00058 U	0.00057 11	0.00035 0	0.00036 0 0.0	10042 0 10071 U	0.00043 0 0.00036 0	0.0004 0	0.00063 U	0.00064 U	0.00055 U	0.00053 U	0.00036 0	0.00053 0	0.00067 0
Bromochloromethane	ng/lig			-		-		0.00074 U 0.00067 U	0.00074 U 0.00072 U	0.00078 U	0.00075 U	0.00066 U	0.00062 U	0.00061 U	0.00069 U	0.00066 U 0.0	00076 U	0.00078 U 0.00064 U	J 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	ng/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	0.00035 U	0.00034 U	0.00039 U	0.00036 U 0.0	30042 U	0.00043 U 0.00036 I	J 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	ng/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	0.00055 U	0.00064 U	0.00062 U	0.00058 U 0.0	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
Corbon totrochlavido	тдляд			32	0.61	0.0022	0.0019	0.00076 0 0.00069 0	0.00076 0 0.00073 0	0.00073 0	0.00076 0	0.00066 0	0.00054 0	0.00063 0	0.00071 0	0.00067 0 0.0	00078 U	0.0008 0 0.00066 1	0.00073 0	0.00063 0	0.0007 0	0.00072 0	0.00065 0	0.00067 0	0.00072 0	0.00063 0
Chlorobenzene	ng/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	0.00036 U	0.00035 U	0.0004 U	0.00038 U 0.0	00044 U	0.00045 U 0.00037 U	J 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	ng/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	0.001 U	0.001 U	0.0012 U	0.0011 U 0	.0013 U	0.0013 U 0.0011 U	J 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	ngilig			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	0.00035 U	0.00034 U	0.00039 U	0.00036 U 0.0	00042 U	0.00043 U 0.00036 I	J 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	ng/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	0.00069 U	0.00068 U	0.00077 U	0.00073 U 0.0	00085 U	0.00087 U 0.00071 U	J 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-Dichloropethene	ngAg			10,000	780	0.11	0.021	0.00068 0 0.00062 0	0.00068 0 0.00066 0	0.00072 0	0.00069 0	0.00061 0	0.00057 0	0.0003 11	0.00064 U	0.00061 0 0	10007 U	0.00072 0 0.00059 1	J 0.00066 U	0.00062 0	0.00063 0	0.00065 0	0.00059 0	0.0006 0	0.00065 U	0.00062 0
Dibromochloromethane	ng/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	0.00048 U	0.00048 U	0.00054 U	0.00051 U 0.0	10059 U	0.00061 U 0.0005 I	J 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	ng/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	0.00062 U	0.00061 U	0.00069 U	0.00066 U 0.0	00076 U	0.00078 U 0.00064 U	J 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	naña		1 · -	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	0.001 U	0.001 U	0.0012 U	0.0011 U 0	.0013 U	0.0013 U 0.0011 U	J 0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U
Ethybenzene	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	0.00035 U	0.00034 U	0.00039 U	0.00036 U 0.0	00042 U	0.00043 U 0.00036 U	J 0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
Isopromibenzene	maña			11,000	2.100	1.1		0.00066 0 0.0006 0	0.00044 U 0.00043 U	0.00063 0	0.00045 U	0.0003 0	0.00037 U	0.00037 11	0.00062 0	0.00038 0 0.0	10046 11	0.00047 U 0.00037 U	0.00043 U	0.0006 0	0.00041 U	0.00042 U	0.00038 U	0.00039 11	0.00063 0	0.0006 0
m.p-Xylenes	ngilig			-	-	-		0.00066 U 0.0006 U	0.00066 U 0.00064 U	0.00069 U	0.00066 U	0.00059 U	0.00055 U	0.00054 U	0.00062 U	0.00058 U 0.0	10068 U	0.00069 U 0.00057 U	J 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	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	0.0045 U	0.0044 U	0.005 U	0.0047 U 0	.0055 U	0.0056 U 0.0046 U	J 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	ngilig			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	0.00076 U	0.00075 U	0.00085 U	0.0008 U 0.0	00093 U	0.00095 U 0.00078 U	J 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	ng/kg			-	-		-	0.00059 U 0.00054 U	0.00059 U 0.00057 U	0.00062 U	0.0006 U	0.00053 U	0.0005 U	0.00049 U	0.00055 U	0.00053 U 0.0	00061 U	0.00062 U 0.00051 U	J 0.00057 U	0.00054 U	0.00055 U	0.00056 U	0.00051 U	0.00052 U	0.00057 U	0.00054 U
1-Mopyidenzene	тела			21,000	3,400	1.0		0.0008 0 0.00046 0	0.0005 0 0.00049 0	0.00083 0	0.00051 0	0.00045 0	0.00042 0	0.00041 0	0.00042 0	0.00045 0 0.0	10062 U	0.00043 U 0.00043 U	0.00046 0	0.00046 0	0.00046 0	0.00046 0	0.00045 U	0.00044 0	0.00046 0	0.00046 0
o-isopropyttoluene	na/kg			-	-	-		0.00059 U 0.00054 U	0.00059 U 0.00057 U	0.00062 U	0.0006 U	0.00053 U	0.00094 J	. 0.90068 J	0.00055 U	0.00053 U 0.0	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-Butybenzene	ng/kg							0.00055 U 0.0005 U	0.00055 U 0.00053 U	0.00058 U	0.00056 U	0.00049 U	0.00046 U	0.00046 U	0.00052 U	0.00049 U 0.0	10057 U	0.00058 U 0.00048 I	J 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	ng/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	0.0004 U	0.00039 U	0.00045 U	0.00042 U 0.0	00049 U	0.0005 U 0.00041 U	J 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	ng/kg					- 0.0000.40		0.00051 U 0.00046 U	0.00051 U 0.00049 U	0.00054 U	0.00051 U	0.00046 U	0.00043 U	0.00042 U	0.00048 U	0.00045 U 0.0	00053 U	0.00054 U 0.00044 I	0.00049 U	0.00047 U	0.00047 U	0.00048 U	0.00044 U	0.00045 U	0.00049 U	0.00046 U
Toluene	110/00 110/00	-	<u> </u>	2.5	0.00	0.000049	0.0023	0.0004 0 0.00037 0	0.0004 0 0.00039 0	0.00042 U	0.00041 0	0.00036 0	0.00034 0	0.00033 0	0.00038 U	0.00036 U 0.0	10042 U	0.00042 0 0.00035 0	0.00039 0	0.00037 0	0.00038 U	0.00038 0	0.00035 U	0.00036 U	0.00039 U	0.00037 0
Total Xylenes (Calculated)	ng/kg		1	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	0.00055 U	0.00054 U	0.00062 U	0.00058 U 0.0	10068 U	0.00069 U 0.00057 I	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	ng/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	0.00048 U	0.00048 U	0.00054 U	0.00051 U 0.0	00059 U	0.00061 U 0.0005 I	J 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	ng/kg						-	0.0005 U 0.00046 U	0.0005 U 0.00049 U	0.00053 U	0.00051 U	0.00045 U	0.00042 U	0.00041 U	0.00047 U	0.00045 U 0.0	00052 U	0.00053 U 0.00043 U	J 0.00048 U	0.00046 U	0.00046 U	0.00048 U	0.00043 U	0.00044 U	0.00048 U	0.00046 U
Tinchloroethene	ានភ័ព្		· ·	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	0.00035 U	0.00034 U	0.00039 U	0.00036 U 0.0	00042 U	0.00043 U 0.00036 I	0.0004 U	0.00038 U	0.00038 U	0.00039 U	0.00035 U	0.00036 U	0.00039 U	0.00037 U
I incritorotluoromethane	ng/kg		· ·	3,400	/90	0.83	-	0.00044 U 0.0004 U	0.00044 U 0.00043 U	0.0004/ U	0.00045 U	0.0004 U	0.00037 U	0.00037 U	0.00042 U	0.00039 0 0.0	20046 U	0.0004/ 0 0.00038 0	0.00043 U	0.00041 U	0.00041 U	0.00042 0	0.00038 U	0.00039 U	0.00043 U	0.0004 U
any change	i ng/ng		1 · · ·	1.4	0.00	0.00000006	0.00005	0.00070 0 0.00066 0	0.00070 0 0.00073 0	0.00073 0	3,00076 0	0.00007 0	3.00063 0	0.00002 U	0.0007 U	0.00000 0 0.0	ervit V	0.00070 0 0.00060 1	0.00012 0	0.00003 0	0.00003 U	1 0.00071 0	3.00064 U	0.00000 U	0.000/2 0	, 0.00000 U

#### TABLE 1 : Summary of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Duarte, Celifornia

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Boneds California Office of Environmental Health Hazard Assessment (CA.0EHHA), Sigo 2019 Soli-Screening Numbers for Noneclatile
 Overnicals Based on Toble Epocate to Contaminated Sali Inhalation, projetion and Derma Naconflora, Readenda J.A.-Screening
 Numbers 1: Mondalda Editorational Based on Tal Exposure to Contraminated Sali Inhalation, projetion and Derma Naconflora,
 Commercial I Industrial, Industrial Sol, Readendia Sol, Protection of GW, Risk Based or Protection of GW, MCL Based

Exceeds US Environmental Protection Agency (USEPA) Generic Screening Levels, My 2010 Sol Screening Numbers for Nemvalable Otheriosia Based on Told Exposure to Containnated Sol: Initiadian, hepetion and Dermal Absorption, Residentia, Bolt-Screening Numbers In: Hornolatila Centralizatio Based and Tal Glospositi Lo Contrainnated Sol Initiadio, hepetian and Remai Absorption, Commercial I Industrial, Industrial Sol, Resetetial Sol, Potection of GW, Rol Based or Protection of GM, MCL Based

Analyte (by Group)	Unit	<u> </u>	E HIM		Laurahandara	USEPA <sup>®</sup> Protection of	Distortion of Chi	\$0.09.8.5	\$8.09.13.5	SB-10-1.5	SB 10-8	50-11-01	\$0.117	SB 41.45.6	SII-12-1.0	6UP-1 (58:12.01)	SD-12-8.5	00P-82 (SR-13.6.5.m.42)	\$842.115	009-4 (50,12,15	SB-13-1	50.137	S8-13-14	50.14.81	00PE-3	581-14-07	SB-15 1.0	SB-15-10.3	SII 15 133
		- Industrial Sol	seil	Industrial Sea	Stul	GVV, Risk Based	MC1. Horsed	\$3-Mag. 11	10.85ar.11	10-85sr-11	10-14-ar - 11	10-Mai 11	10 1018-11	SileMar 11	11 Mar 11	11 Mar 11	11-Mar-11	11 Mar 11	13-Mar 11	11-2dat-11	11-10-11	11 May 11	14.Mar - 11	11.Mbst-11	11 Mar. 11	11.Ma-11	11-Mar-11	11 Mar. 11	11-Mar-11
Antimony	ng/kg	· ·	380	410	31	0.66	027	0.3 U	0.3 U	0.72 J	0.35 J	03 U	0.59 J	0.72 J	0.79 J	0.43 J	0.66 J	0.49 J		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 Barium	ng/kg ng/kg	-	0.24 63,000	1.6	0.39 15,000	0.0013	029 82	3.B 110	2.3	<u>8,5</u> 90	2.8 120	<u>3.7</u> 86	S 100	3.6 99	11 85	19 88	8:8 130	3 97	2.9 240	3.4 97	3	2.2 95	2.4 87	3.2 130	4.1 130	2.7 87	2,1 86	2	18
Beryllium Cadmium	ng/kg mg/kg	- 17	190	2,000	160	58	3.2	03 J	0.3 U	03 U	0.3 U	0.3 U	0.42	0.3 U	0.32	0.37 J	0.33 J	645 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
Chromium	na/ka	-		-	-		180,000	25						18		16		20	17 J	23	16	20	20	23	25	16	16	46	49
Lead	ng/kg	3,000	38,000	800	400		40	5.A	23	23	5	ю 5.4	15	75	5.4	10 13	5.7	4,9	13 5,1	3.5	19 72	5	41	89	11	12	33	3.8	35
Mercury Molybdenum	ng/kg ng/kg	18 380	180	34 5,100	5.6 390	0.03	0.1	0.042 1.3 B, J	0.041 0.44 B, J	0.083 0.2 U	0.026 1,4 B, J	0035 02 U	0.035 0.74 B, J	0.044 2,5 B	0.053 0.4 B, J	0.082 0.23 B, J	0.047 0.86 B, J	0.11 0.34 B, J	0.49 0.29 B, J	0.039 1.3 B, J	0.039 0.2 B	0.046 1.8 B, J	0.047 2.2 .8	0.28 0.78 B, J	0.16 0.67 B, J	0.24 0.48 B, J	0.067 0.76 B, J	0,032 0,6 B, J	0.69 B, J
Nickel Selenium	ng/kg	1,600	16,000	20,000	1,500	48	. 0.26	10	10		0.5 11	10 0.5 II		8.3	9.3 0.5 II			13	0.67 J	0.5 11	0.5 U	94 05 II	7.4	14 0.5 II		8.8	8.3 0.5 II	10	11
Silver	naña	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 0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Zinc	ng/kg	23,000	100,000	310,000	47,000 23,000	5,500		43,		59	39	1.3 U 	1.3 U		1.3 U 	43	41	1.3 0	89	32		1.3 U	33	1.3 U	68	1.3 U	1.3 U	39	39
Sene Volatile Organic Compound 1,2,4 Trichlorobenzene	s (SVOC) ng/kg	-	1.	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, RL*	0.2 U, RL1	0.1 U, RL1
1,2-Dichlorobenzene 1,2-Dichlorobenzene Azobenzen	ng/kg e ng/kg			9,800 23	1,900	0.36	0.58	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	0.12 U, RL1 0.12 U RL1	U 30.0	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	0.12 U, RL1 0.12 U RL1	0.12 U, RL1 0.12 U RL1	0.06 U	0.06 U 0.00 U	0.06 U	U 30.0	0.12 U, RL*	024 U, RL1 024 U RL1	0.12 U, RL1
1,3-Dichlorobenzene	ng/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	U 60.0	0.18 U, RL	0.36 U, RL1	0.18 U, RL1
2,4,5-Trichlorophenol	ng/kg			12 62,000	6,100	14	0.972	0.065 U	0.065 U	0.065 U	0.13 U, RL1 0.26 U, RL1	0.065 U 0.13 U	0.13 U, RL1 0.26 U, RL1	0.065 U 0.13 U	0.065 U	0.065 U 0.13 U	0.065 U	0.055 U	0.065 U 0.13 U	0.065 U 0.13 U	0.13 U, RL1 0.26 U, RL1	0.13 0, RL1 0.26 U, RL1	0.065 U	0.065 U 0.13 U	0.065 U	0.065 U 0.13 U	0.13 0, RE 0.26 0, RE	0.52 U, RL1	0.13 0, RL1 0.26 U, RL1
2,4,6-Trichlorophenol 2,4-Dichlorophenol	ng/kg ng/kg	-		160	44	0.023		0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.15 U, RL1 0.12 U, RL1	0.075 U 0.06 U	0.15 U, RL1 0.12 U, RL1	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.15 U, RL1 0.12 U, RL1	0.15 U, RL1 0.12 U, RL1	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.075 U 0.06 U	0.15 U, RL 0.12 U, RL	0.3 U, RL1 0.24 U, RL1	0.15 U, RL1 0.12 U, RL1
2,4-Dimethylphenol 2,4-Dimethylphenol	ng/kg ng/kg			12,000	1,200	0.86		0.1 U	0.1 U	0.1 U	0.2 U, RL1 0.22 U, RL1	0.1 U	0.2 U, RL1	0.1 U	0.1 U 0.11 U	0.1 U	0.1 U	0.1 U	0.1 U 0.11 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, RL	0.4 U, RL1	0.2 U, RL1
2,4-Dinitrotoluene	ng/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, RL	0.32 U, RL1	0.16 U, RL1
2,6-Dinitrotoluene 2-Chloronaphthalene	ng/kg			620 82,000	6,300	15		0.095 U	0.095 U	0.095 U	0.19 U, RL1 0.13 U, RL1	0.065 U	0.19 U, RL1 0.13 U, RL1	0.095 U 0.065 U	0.065 U	0.095 U	0.095 U	0.065 U	0.095 U 0.065 U	0.065 U	0.19 U, HL1 0.13 U, RL1	0.19 U, RL1 0.13 U, RL1	0.095 U	0.095 U 0.065 U	0.095 U	0.095 U 0.065 U	0.19 0, RL 0.13 0, RL	0.38 U, RL1 0.26 U, RL1	0.13 U, RL1
2-Chlorophenol 2-Methylnaphthalene	ng/kg ng/kg	-	1	5,100	390 310	0.15		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	0.14 U, RL1 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 0.07 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	0.14 U, RL1 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 0.07 U	0.14 U, RL 0.14 U, RL	0.28 U, RL1 0.28 U, RL1	0.14 U, RL1 0.14 U, RL1
2-Methylphenol 2. Nitroscilion	ngikg	-		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, RL	0.32 U, RL1	0.16 U, RL1
2-Nitrophenol	ng/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	0.00 U	0.12 U, RL	024 U, RL1	0.12 U, RL1
3,3'-Dichlorobenzidine 3-Nitroaniline	ng/kg ng/kg	-		3.8	1.1	0.00098		0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.3 U, RL1 0.15 U, RL1	0.15 U 0.075 U	0.3 U, RL1 0.15 U, RL1	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.3 U, HL1 0.15 U, RL1	0.3 U, RL1 0.15 U, RL1	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.15 U 0.075 U	0.3 U, RL 0.15 U, RL	0.6 U, RL1 0.3 U, RL1	0.3 U, RL1 0.15 U, RL1
4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether	ng/kg ng/ka	-		49	4.9	0.005	-	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.22 U, RL1 0.15 U, RL1	0.11 U 0.075 U	0.22 U, RL1 0.15 U, RL1	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.22 U, RL1 0.15 U, RL1	0.22 U, RL1 0.15 U, RL1	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.11 U 0.075 U	0.22 U, RL 0.15 U, RL	0.44 U, RL1 0.3 U, RL1	0.22 U, RL1 0.15 U, RL1
4-Chloro-3-methylphenol	ng/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, RL	0.28 U, RL1	0.14 U, RL1
4-Chlorophenyl phenyl ether	ng/kg			-		0.00014		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, RL	0.34 U, RL1	0.17 U, RL1
4-Methylphenol 4-Nitroaniline	ng/kg			3,100	310 24	0.0014		0.08 U	0.08 U	0.08 U	0.16 U, RL1 0.18 U, RL1	0.08 U	0.16 U, RL1 0.18 U, RL1	0.08 U 0.09 U	0.08 U	0.08 U 0.09 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U, RL1 0.18 U, RL1	0.16 U, RL1 0.18 U, RL1	0.08 0	0.08 U	0.08 U 0.09 U	0.08 U 0.09 U	0.16 U, RE 0.18 U, RE	0.32 U, RL1 0.36 U, RL1	0.16 U, RL1 0.18 U, RL1
4-Nitrophenol Acenaphthene	ng/kg ng/kg	-		- 33,000	3,400	- 22		0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.28 U, RL1 0.12 U, RL1	0.14 U 0.06 U	0.28 U, RL1 0.12 U, RL1	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.28 U, RL1 0.12 U, RL1	0.28 U, RL1 0.12 U, RL1	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.14 U 0.06 U	0.28 U, RL 0.12 U, RL	0.56 U, RL1 0.24 U, RL1	0.28 U, RL1 0.12 U, RL1
Acenaphthylene Anline	ng/kg	-		-	-	-		0.07 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.14 U, RL1	0.07 U 0.085 U	0.07 U 0.085 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U 0.085 U	0.14 U, RL1	0.14 U, RL1	0.07 U	0.07 U	0.07 U 0.085 U	0.07 U	0.14 U, RL 0.17 U RL	0.28 U, RL1	0.14 U, RL1
Anthracene	ng/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, RL	0.32 U, RL1	0.16 U, RL1
Benzo (a) anthracene	ng/kg			2.1	0.0008	0.00000024		0.66 U	0.07 U	0.07 U	0.14 U, RL1	0.05 U	0.14 U, RL1	0.07 U	0.06 U	0.66 U	0.05 U	0.66 U 0.07 U	0.07 U	0.06 U	0.14 U, RL1	0.14 U, RL1	0.06 U	0.06 U	0.66 U	0.07 U	0.14 U, RL	0.28 U, RL1	0.14 U, RL1
Benzo (a)pyrene Benzo (b)fluoranthene	ng/kg ng/kg		0.13	0.21	0.015	0.0035	024	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.11 U, RL1 0.1 U, RL1	0.055 U 0.05 U	0.11 U, RL1 0.1 U, RL1	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.11 U, RL1 0.1 U, RL1	0.11 U, RL1 0.1 U, RL1	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.055 U 0.05 U	0.11 U, RL <sup>+</sup> 0.1 U, RL <sup>+</sup>	0.22 U, RL1 0.2 U, RL1	0.11 U, RL1 0.1 U, RL1
Benzo (g.h.))perylene Benzo (kitiuoranthene	ng/kg ng/kg			- 21	- 15	. 0.35		0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.22 U, RL1 0.14 U RL1	0.11 U 0.07 U	0.22 U, RL1 0.14 U RL1	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.22 U, RL1 0.14 U, RL1	0.22 U, RL1 0.14 U RL1	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.11 U 0.07 U	0.22 U, RL 0.14 U RL	0.44 U, RL1 0.28 U RL1	0.22 U, RL1 0.14 U RL1
Benzoic acid	naña			2,500,000	240,000	34		6.17. 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, RL	0.6 U, RL1	0.3 U, RL1
Bis(2-chloroethoxy)methane	ng/kg			1,800	6,100	0.03		0.2 U	0.07 U	0.07 U	0.14 U, RL1	0.07 U	0.4 0, RL1 0.14 U, RL1	0.2 U 0.07 U	0.2 U 0.07 U	0.2 U 0.07 U	02 U 0.07 U	0.2 U	0.2 U 0.07 U	02 U 0.07 U	0.14 U, RL1	0.4 0, RL1 0.14 U, RL1	0.2 U	0.2 U	0.2 0 0.07 U	0.2 U 0.07 U	0.14 U, RL	0.8 U, RL1	0.4 0, RL1 0.14 U, RL1
Bis(2-chloroethyf)ether Bis(2-chloroisopropyf)ether	ng/kg ng/kg	-		1 22	0.21	0.0000031		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	0.12 U, RL1 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 0.06 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	0.12 U, RL1 0.12 U, RL1	0.06 U	0.06 U 0.06 U	0.06 U 0.06 U	U 30,0 U 30,0	0.12 U, RL <sup>*</sup> 0.12 U, RL <sup>*</sup>	024 U, RL1 024 U, RL1	0.12 U, RL1 0.12 U, RL1
Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate	ng/kg ng/kg	-		120	35 260	1.1	1.4	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.18 U, RL1 0.16 U, RL1	0.09 U 0.08 U	0.18 U, RL1 0.16 U, RL1	0.25.J	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.18 U, RL1 0.16 U, RL1	0.18 U, RL1 0.16 U, RL1	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.09 U 0.08 U	0.18 U, RL <sup>*</sup> 0.16 U, RL*	0.36 U, RL1 0.32 U, RL1	0.18 U, RL1 0.16 U, RL1
Chrysene Dihas 3(a b)anthrooma	ng/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, RL	0.3 U, RL1	0.15 U, RL1
Dibenzofuran	ng/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	0.1 U	0.12 U, RL	0.4 U, RL1	0.12 U, RL1
Diethyl phthalate Dimethyl phthalate	ng/kg ng/kg			490,000	49,000	- 12		0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.19 U, RL1 0.13 U, RL1	0.095 U 0.065 U	0.19 U, RL1 0.13 U, RL1	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.19 U, RL1 0.13 U, RL1	0.19 U, RL1 0.13 U, RL1	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.095 U 0.065 U	0.19 U, RL 0.13 U, RL	0.38 U, RL1 0.26 U, RL1	0.19 U, RL1 0.13 U, RL1
Di-n-butyl phthalate Di-n-octvl phthalate	ng/kg ng/kg	-		62,000	6,100	9.2		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	0.18 U, RL1 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	0.09 U 0.09 U	0.09 U 0.09 U	0.09 U 0.09 U	0.18 U, RL1 0.18 U, RL1	0.18 U, RL1 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 0.09 U	0.18 U, RL 0.18 U, RL	0.36 U, RL1 0.36 U, RL1	0.18 U, RL1 0.18 U, RL1
Fluoranthene	ng/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, RL	0.28 U, RL1	0.14 U, RL1
Hexachlorobenzene	nging			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, RL	0.28 U, RL1	0.14 U, RL1
Hexachlorobutadiene Hexachlorocyclopentadiene	ng/kg ng/kg	-		22 3,700	6.2 370	0.0017	0.16	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.12 U, RL1 0.18 U, RL1	0.06 U 0.09 U	0.12 U, RL1 0.18 U, RL1	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.12 U, AL1 0.18 U, AL1	0.12 U, RL1 0.18 U, RL1	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.06 U 0.09 U	0.12 U, RL 0.18 U, RL	0.24 U, RL1 0.36 U, RL1	0.12 U, RL1 0.18 U, RL1
Hexachloroethane Indeno(1,2,3-cd)ovrene	ng/kg ng/ka			120	35	0.0029		0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.13 U, RL1 0.26 U, RL1	0.065 U 0.13 U	0.13 U, RL1 0.26 U, RL1	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.13 U, RL1 0.26 U, RL1	0.13 U, RL1 0.26 U, RL1	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.065 U 0.13 U	0.13 U, RL 0.26 U RL	0.26 U, RL1 0.52 U, RL1	0.13 U, RL1 0.26 U, RL1
Isophorone	ng/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	0.00 U	0.06 U	0.12 U, RL1	0.12 U, RL1	0.06 U	0.00 U	0.06 U	U 30.0	0.12 U, RL	024 U, RL1	0.12 U, RL1
Nitrobenzene	ng/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, RL	0.24 U, RL1	0.14 U, RL1
N-Nitroso-di-n-propyfamine N-Nitrosodiphenylamine	ng/kg ng/kg	-		0.25 350	0.069 99	0.0000072		0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.14 U, RL1 0.16 U, RL1	0.07 U 0.08 U	0.14 U, RL1 0.16 U, RL1	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.14 U, RL1 0.16 U, RL1	0.14 U, RL1 0.16 U, RL1	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.07 U 0.08 U	0.14 U, RL 0.16 U, RL	0.28 U, RL1 0.32 U, RL1	0.14 U, RL1 0.16 U, RL1
Pentachlorophenol Phenanthrene	ng/kg ng/kg		13	9	3	0.0057	0.01	0.15 U 0.06 U	0.15 U 0.06 U	0.15 U 0.06 U	0.3 U, RL1 0.12 U P14	0.15 U 0.06 U	0.3 U, RL1 0.12 U R11	0.15 U 0.06 U	0.15 U 0.06 U	0.15 U	0.15 U 0.06 U	0.15 U	0.15 U 0.06 U	0.15 U	0.3 U, RL1	0.3 U, RL1 0.12 U RL1	0.15 U	0.15 U 0.06 U	0.15 U	0.15 U	0.3 U, RL 0.12 U PI	0.6 U, RL1 0.24 U PI 1	0.3 U, RL1
Phenol	ng/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, RL	0.36 U, RL1	0.18 U, RL1

# TABLE 1 : Summery of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Drarte, Gelifornia

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Exceeds Galfornia Office of Eminormental Health Hazard Assessment (CA OEHHA), Sip 2010 Gal-Screening Numbers for Homolable Omeniasia Based on Toble Exposure to Cortaminates Gali Healdion, typesion and Demail Abooption, Residential, So-Assessing Numbers for Noncodalia Openicalis Based on Tidal Exposure to Contaminated Sol: Healation, Ingedienia and Demail Abooption, Commencial J Hadavial, Industud Sol, Residential Sol, Protection of GV, Rak Based or Hardscinn of GV, MDC Based 1.23

Exceeds US Environmental Protection Agency (USEPN) Generals Screening Levels, May 2010 Soll-Screening Numbers for Nemolable Chemicals Based on Toble Exceeds to Containnaide dabi Inhalation, typesition and Permal Absorption, Readential, Sol-Screening Universities for Konnolable Chemicals Based on Table Esposure 10 contrained Sol Inhalation, Ingedim and Pennal Absorption, Commercial / Industrial, Industrial Sol, Readential Sol, Protection of GW, Risk Based or Potection of GW, MCL Based 1.23

		CA O	енна			JSEPA <sup>®</sup>		\$0.09.8.5	SB-09-13.5	SB-10-1.5	SR 10-8	\$9.41.01	\$0.11.7	SB 11.15.5	SII-12-1.0	OUP-1	SB 12.8.5		SB-12-135	00 <b>9</b> -4	SB-13-1	SD 13.7	SØ-13-14	50.14.81	OUPE-3	\$9-14-07	SB-15-1.0	SB-15-10.3	SII 15 13.9
Analyte (by Group)	Unit		Acceletation		Hereadurateat	Protection of	Protection of GW2									(58-12-01)		(SB-13-8.5 to 12)		(SB-12-13)					(58-14-1)				
		buduistrial Soil	Sell	industrial Sol		GW, Hisk Fiscal	MCL Horsed	\$1.5bm-11	10-16ar-11	10-Mar-11	10-tdar -11	10-May 11	10-tdox-11	til-Mar. 11	11-Mar-11	11.Mar.11	11-5der-11	13 May 11	11-Mar 11	112dar 11	11-00-00 11	11.55m-11	11-Mar 11	11-blee-11	11.86ar-11	11-Mar-11	11-Mar-11	11 Mart 11	11-Mar-11
Netals																												-	
Antimony	maika	-	380	410	31	0.66	0.27	0.3 U	0.3 U	0.72 J	0.35 J	03 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	03 U	0.3 U	0.42 J	0.3 U	0.3 U	0.88 J	0.37 J	0.83 J
Arsenic	ng/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	24	3.2	41	2.7	2:1	2	1.9
Barium	ng/kg		63,000	190,000	15,000	300	82	110	190	90	120	86	100	99	85	88	130	97	240	97	100	95	-1/ 1/ 87- 11-	130	130	87	86	110	120
Beryllium	ng/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 )	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	ng/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	03 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	03 U	0.3 U	0.3 U
Chromium	ng/kg	-					180,000				16	13	23		14	16		20		23							16	46	
Copper	ng/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	ng/kg	80	320	800	400		14	S.A.	2.3	23	5	5.4	15	75	5.4	13	5.7	4.9	5.1	3.5	72	5	// · · · · 4,1 · · · ·	8.9	11	12	33	3.8	3.5
Mercury	ng/kg	18	180	34	5.6	0.03	0.1	0.042	0.041	0.083	0.026	0.035	0.035	0.644	0.053	0.082	0.047	0.11	0.49	0.039	0.039	0.046	0.047	0.28	6.16	0,24	0.067	0,032	0.085
Molybdenum	ng/kg	380	4,800	5,100	390	3.7		1.3 B,	0.44 B, J	02 U	1,4 B, J	02 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 6, J	0.69 B, J
Nickel	ng/kg	1,600	16,000	20,000	1,500	48		10	10		8	10	11	8.3	9.3			13	0.67	- 11	13	94	7.4	14	- 15	8.8	8.3	10	<u>n</u>
Selenium	ng/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 0	05 0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 0	0.5 U	05 0	0.5 0	0.5 0
Silver	ng/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	6.11 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 0	0.1 U
lin	ng/kg	-		610,000	47,000	5,500		13 0	1.3 0	1.3 J.	1.3 U	13 0	1.3 0	1.3 0	13 0	1.3 0	13 0	1.3 0	1.3 U	1.3 0	1.3 U	1.3 U	1.3 0	1.3 U	1.9 J	1.3 U	13 0	13 0	1.3 0
Zinc	nging	23,000	100,000	310,000	23,000	680		43		59	39										0.40 0.001		2		58			59	
Pyrene	TIG/NG	-		17,000	1,700	120	-	0.08 0	0.08 0	0.08 0	0.16 U, RL	0.08 0	0.16 U, RL1	0.08 0	0.08 0	0.08 0	0.08 0	0.06 0	0.08 0	0.08 0	0.16 U, HL1	0.16 U, RL1	0.08 0	0.08 0	0.05 0	0.08 0	0.16 U, RL1	0.32 U, RL	L1 0.16 0, RL1
American 40.16	maika	-	ocilis/considerand	24	3.9	0.092		0.042 11	I 0.012 U I	0.042 11	0.042 11	0.042 11	0.042 11	0.012 11	0.042	0.042 11	0.042 11	0.042 11	0.042 11	0.042 11	0.042 11	0.042 11	0.012 11	0.042 11	0.042 11	0.012 11	0.042 11	0.012 11	0.012 11
Arodar 1010	20030	-		0.54	0.14	0.0002		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 11	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 0	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Arodar 1232	raka			0.54	0.14	0.00012		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 0	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
Arodor 1242	rain			0.74	0.22	0.0053		0.012 11	0.012 U	0.012 11	0.012 U	0.012 11	0.012	0.012 U	0.012 11	0.012 U	0.012 U	0.012 11	0.012 U	0.012 11	0.012	0.012 11	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 11	0.012 U
Arodar 1248	naka			0.74	0.22	0.0052		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 11	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
Arodar 1254	naða			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
Arodar 1260	ng/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

To be simulated an instant regime (users) unless downing users, we go to be shown as the second of the second of the second of the second second second second second second in the second C - Calibration twice along second s

Um (NOC) Onto Campie and/or Laboratory Control Campie Duploade recovery was above the acceptance limits. Analyse nd deleted,
 the source of the sour

TABLE 1 : Summary of Soil Analytical Results Phase II Environmental Site Assessment GE Aviation - Duarte, Gelifornia

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Broads US Environmental Polardion Agency (USEPA) Gineric Screening Lovels, May 2010 Sal-Screening Numbers for Nernodalite
 Compared Sead on Total Exposure to Contaminated Sal: Inhalation, Ingestion and Demai Alexoption, Residential, Sol-Screening
 Numbers for Nernodalite Descreening Beddon Total Exposure to Contaminated Sal: Inhalation, Agendein and Demai Alexoption,
 Commercial Industrial Sal, Residential Sal, Protection of OV, Res Beard on Tetal Exposure to Forketion of GV, Res Beard on Tetal Exposure to Contaminate Sal: Inhalation, Agendein and Demai Alexoption,
 Commercial Industrial Sal, Residential Sal, Protection of OV, Res Beard on Tetal Exposure to CV, Res Beard ON, Res Bear

		CA 0	ehihr'			ISEPA		58.16.1.0	SII-16-6.5		DGP-8				\$9.17.14	SB-18-1.0	SB-18-11.5	50-10-13	SB-19-1.1	\$8-19-39.5
A natyle (by G mup)			Residence		Recald endral	Protection of	Profestings of GWs				(581-16-13.5)		(SD-17-1)							
		industrial Sol	Sauk	Industrial See	Sad	GW/ Risk	MCL filesod	12 51 - 51	12-550-11	12.61ar.11	12,64,97,41	12 Mar. 11	42.03 × 18	12.Mar 14	17.Mar. 11	12. have . 13	12.Mar. 11	12,889,11	14 20 00 11	184107-11
Metals						5.89.00												1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
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	0.58 J	03 U	0.3 U	0.55 J	2.7
Arsenic	mg/ig		0.24	1.6	0.39	0.0013	0.29	2.9	25	1.7	17	2.5	31	1.5	4.4	34	1	21	26	2.8
Barium	mg/ig		63,000	190,000	15,000	300	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	0.367.J.	0.3 U	0.3 U	0.36	0.36 J	0.3 U	0.3 U	0.45 J	03 0	0.3 U	0.3	0.3 U
Chromium	mg/sq	- 14				1.4	180.000			34		18	20	43	17		8.3	12	7.4	17
Copper	mg/ig	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/ig	80	320	800	400		14	10	9.4	1921 (A. 1923)	3	4.1	5.1	3.7	41	8	37	31	33	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
Norybdenum	mgrisg	380	4,800	5,100	390	3.1		13	9,39 J	85	0.77 J 8.4	0.43 J 13	13	2.5	9.6	0.24 J	67	67 1	9.4 J 6.6	3,5
Selenium	ma/ka	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/ig	3.80	4,800	5,100	390	1.6		0.094 U	0.096 U	0.094 U	0.096 U		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/isg			610,000	47,000	5,500		1.3 U	1.3 U	1.3 U	1.3 U	<ul> <li>&lt; 130 (37)</li> </ul>	1.3 U	1.3 U	1.3 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U
Zinc	mg/ig	23,000	100,000	310,000	23,000	680	-		43			39	41	- 34				<u> </u>		
1112-Tetrachloroethane	maðia	-	I -	9.3	19	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	0.000.46 U	0.00045 U
1,1,1-Trichloroethane	mg/kg			38,000	8,700	32	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/lig			2.8	0.56	0.000026		0.00064 U	0.00057 U	U 33000.0	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	0.00066 U	0.00069 U	0.00069 U
1,1-Uichloroethane	mg/kg		<del>  : -</del>	1/	3.3	0.00069	0.0025	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-Dichloropropene	ma/se		1	1,100		9.12	0.0020	0,0003 U	0.00027 U	0,00031 U	0,0003 U	0.00031 U	0.00032 U	0,0003 U	0.00048 U	0,00029 U	0.00031 U	0.00040 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/ig	-		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- Inmethylbenzene 1,2, Dhromo, 3, chloronronano	mgrig			260	62	0.021	-	0.00058 0	0.00052 0	0.0006 0	0.00059 0	0.00061 0	0.00067 0	0.00058 0	0.00063 0	0.00056 0	0,0006 0	0.00059 0	0.00062 U	0.00062 0
1.2-Dibromoethane (EDB)	mg/ig mg/ig			0.063	0.034	0.0000018	0.000014	0,0006 U	0.00053 U	0.0012 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/ig			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	U 3000,0	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/ig			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- Inmethylbenzene 1,3,Dichlorobenzene	mg/ig			10,000	/80	0.52		0.00047 U	0.00042 U	0.00049 U	0.00047 U	0.00049 0	0.00054 U	0,0004/ U	0.00051 U	0.00045 U	0.00048 U	0.00048 U	0.0005 U	0.0005 U
1.3-Dichloropropane	mg/ig mg/ig			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/ig			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	U 83000.0	0.00072 U	0.00071 U	0.00075 U	0.00075 U
2,2-Dichloropropane	mg/ig		-					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/ig		· ·	20,000	1,600	0.71		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	0.00066 U	0.00069 U	0.00069 U
4-Uniofotoluene Benzene	mgrag			72,000	5,500	0.00021	0.0026	0.00037 U	0.00043 U	0.00037 0	0.00038 U	0.00039 U	0.00064 0	0.00035 0	0.0006 U	0.00055 0	0.00037 0	0.00036 0	0.00053 0	0.00059 0
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/ig							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/ig			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
Bromotorm	mgrig			220	51	0.0023	0.021	0.0006 0	0.00053 0	0.00062 0	0.0006 0	0.00062 0	0.00069 0	0.0006 U	0.00065 0	0.00057 0	0.00061 0	0.00061 0	0.00064 0	0.00063 0
Carbon tetrachloride	ma/la			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/ig			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/ig			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
cis-12-Dichloroethene	mailia			10 000	780	0.045	0.021	0.000/3 0	0.00055 U	0.00064 U	0.00062 U	0.00078 0	0.00072 U	0.00062 U	0.00067 U	0.0006 U	0.000/6 0	0.00063 U	U 33000.0	0.00073 0
cis-1,3-Dichloropropene	mg/iq		· · .	-				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 Disklass diffusions at heres	mg/ig		· ·	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
Ethylhenzene	magag		H :	27	180	0.61	0.78	0.0011 U	0.00033 U	0.0012 U	0.00011 U	0.0012 0	0.0013 U	0.0011 U	0.0012 U	0.0011 0	0.0011 0	0.0011 0	0.0012 U	0.0012 U
Hexachlorobutadiene	mg/ig			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	0.00061 U	0.00064 U	0.00063 U
kopropylbenzene	mg/ig			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/ig		-	-				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
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
naprinalerie p.Biblibenzene	mg/ig			10	3.0	0.00047		0.00052 U	0.00073 0	0.00035 0	0.00054 U	0.00085 0	0.00095 0	0.00054 U	0.00058 U	0.00073 0	0.00084 0	0.00085 0	0.00058 U	0.00057 U
n-Propylbenzene	mg/ig			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	12		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/ig		· ·					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-butybenzene Sharana	mg/kg		· ·	- 26.000	6 200			0.0005 U	0.00844 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
lert-Bublicenzene	marka			30,000	0,300	1.8	0.11	0.00043 U	0.00038 0	0.00045 U	0.00044 U	0.00045 0	0.00053 U	0.00043 0	0.00047 U	0.00042 0	0.00044 0	0.00044 0	0.00046 U	0.00046 U
Tetrachloroethene	mg/iq		· ·	2.6	0.55	0.000049	0.0023	. 0.00075 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/ig			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/ig			2,700	630	02	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	0.00061 U	0.00064 U	0.00063 U
trans-1,2-Dichloroethene	mg/kg		· ·	690	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
Trichloroethene	mg/sg		<u> </u>	- 14	2.8	0.00072	0.0018	0.00046 U	0.00033 U	0.00042 U	0.00046 U	0.00047 U	0.00063 U	0.00046 U	0.00049 U	0.00044 U	0.00047 U	0.00046 0	0.00048 U	0.00048 C
Trichlorofluoromethane	ma/so			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	0.00069	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 at Sail Analytical Results Phase II Environmental Site Assessment GE Aviation - Dearte, Gelifornia

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Broads US Environmental Polardion Agency (USEPA) Gineric Screening Lovels, May 2010 Sal-Screening Numbers for Nernodalite
 Compared Sead on Total Exposure to Contaminated Sal: Inhalation, Ingestion and Demai Alexoption, Residential, Sol-Screening
 Numbers for Nernodalite Descreening Beddon Total Exposure to Contaminated Sal: Inhalation, Agendein and Demai Alexoption,
 Commercial Industrial Sal, Residential Sal, Protection of OV, Res Beard on Tetal Exposure to Forketion of GV, Res Beard on Tetal Exposure to Contaminate Sal: Inhalation, Agendein and Demai Alexoption,
 Commercial Industrial Sal, Residential Sal, Protection of OV, Res Beard on Tetal Exposure to CV, Res Beard ON, Res Bear

		5 A 01	ehiha"		0	ISEPA		S8. 16-1.0	58-16-6.5	SB-16-14	DOD-6		DUP-5		\$9.17.14	SB-18-1.0	SID- 18- 11.5		\$8-19-1.1	\$8,49,39,5
A nalyte (ky (i risup)	linit	Industrial Sol	Residenced	Industrial Sol	Headdenical	Protection of GW/ Risk	Protection of GWC				(\$8.16.13.5)		(SD-17-1)							
			Sall		Sad	Based	MCL fluxed	12.55a.11	12-bbs-11	12-Mar-11	12-14-6-11	12-Mar-11	12.Mar 11	12-Mar 11	12-Mai - 11	12-last-11	12.Mar.11	12-18nt 11	14 &lar-11	14-Mar-11
Metals Actimony	malka		380	410	31	0.66	0.27	087	0.67	0.3 11	0.68	0.57	0.56 ( ]	05	0.3 11	0.58	I 03 11	I 03 II I	0.55	27
Arsenic	mg/ig		0.24	1.6	0.39	0.0013	0.29	2.9	2.5	17	1.7	2.5	3.1	1.5	44	34		21	2.6	2.8
Barium	mg/ig		63,000	190,000	15,000	300	82	140	100	140	150	91	100	130	110	140	67	70	55	
Beryllium	mg/kg	- 4.7	190	2,000	160	58	3.2	0.33	0.35 J	0.3 U	0.3 U	0.36	0.36 J	0.3 U	0.3 U	0.45	0.3 U	0.3 U	0.3	0.3 U
Chromium	ma/ka			-			180,000					18	20	43	17	22	8.3	12	74	17
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	19	19	23	33	23	19	18	21	25	13		12	18
Lead	mg/ig	80	320	800	400		14	10	9.4	4	3	4.7	51	3.7	41	8	3.7	31	3.3	3.8
Malybdenum	mg/sg mg/sg	380	4 800	5 100	3.90	37	0.1	621	0.36	21	0.049	0.43	02 U	25	12.1	0.36	0.2 U	0,51	0.022	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/ig	3.80	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/ig	380	4,800	5,100	390	1.6		0.094 U	0.096 U	0.034 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	13 II
Zinc	mg/ig	23,000	100,000	310,000	23,000	680		43				39	41				23			
Sem Westle Organic Compounds	(5400)																			
1,2,4 Trichlorobenzene	mg/lig		•	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-Diphenvlhvdrazine/Azobenzene	mg/ig			23	5.1	0.00096	0.00	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/ig			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 2,4,6-Trichlorophenol	mg/ig mg/ig			62,000	6,100	14		0.13 U 0.075 U	0.65 U, RL1 0.37 U PL4	0.13 U	0.13 U	0.13 R	0.13 U	0.13 U	0.13 U	0.13 U 0.075 U	0.13 U	0.13 U 0.075 U	0.13 U	0.13 U
2,4-Dichlorophenol	mg/kg			1,800	180	0.13		0.06 U	0.3 U, RL1	0.06 U	0.00 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.070 U	0.06 U	0.06 U
2,4-Dimethylphenol	mg/ig			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-Dintrotoluene	mg/kc			620	61	0.00023		0.0% U	0.4 0, RL1 0.47 U. RI1	0.0% U	0.095 11	0.00 U	0.095 11	0.095 11	0.095 11	0.035 11	0.00 U	0.095 11	0.06 U	0.08 0
2-Chloronaphthalene	mg/ig			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-Ohlorophenal	mg/ig			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 2-Methylnaphthalene	mg/ig mg/ig			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-Ntroaniline	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-Ntrophenol	mg/lg							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/ig			3.8	1.1	0.00098		0.15 U	0.75 U, RL1 0.37 U PL1	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
4.6-Dinitro-2-methylphenol	ma/ka			49	4.9	0.005		0.075 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	0.075 U	0.075 0	0.11 U	0.11 U
4-Bromophenyl phenyl ether	mg/ig							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/ig			62,000	6,100	43		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-Chlorophenvl phenvl ether	ma/ka			0.0	2.4	0.00014		0.02 0	0.6 0, RL1	0.085 U	0.085 U	0.02 0	0.12 U	0.12 U 0.085 U	0.085 U	0.12 U	0.12 U 0.085 U	0.02 U	0.12 U	0.085 U
4-Methylphenol	mg/ig			3,100	310	0.15		0.08 U	0.4 U, RL1	0.08 U	U 80.0	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-Nitroaniine	mg/ig			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-Ntrophenol Aconomitihano	mg/ig		· ·	-	3.400			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
Acenaphthylene	mg/ig			-				0.07 U	0.35 U, RL1	0.07 U	0.07 U	0.07 R	0.00 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	U 80.0	0.08 U	U 80.0	0.08 U	0.08 U	0.08 U	0.08 U	U 80.0	0.08 U	U 80.0
Benzola)anthracene	ma/ka			2.1	0.15	0,01		0.07 U	0.35 U, RL1	0.00 L0	0.07 U	0.07 U	0.06 D	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.00 U	0.00 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/ig		•	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
Benzolgin, iperyene Benzolkiftuoranthene	mg/sg mg/sg			21	1.5	0.35		0.11 U	0.35 U, RL1	0.11 U	0.11 0	0.11 U	0.07 U	0.11 U 0.07 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U 0.07 U	0.11 U
Benzoic acid	mg/ig			2,500,000	240,000	34		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/ig			62,000	6,100	0,89		0.2 U	1 U, RL1	02 U	0.2 U	0.2 U	0.2 U	0.2 U	02 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bis(z-chloroethoxy)methane Bis(2,chloroethyliether	mg/ig			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 0.06 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Bis(2-chloroisopropyl)ether	mg/ig			22	4.6	0.00012		0.06 C	0.3 RL10	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	0.00 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
But yi benzyl phthalate Chorsene	mg/lig		•	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
Dibenz(a,h)anthracene	mg/ig mg/ig			0.21	0.015	0.011		0.070 U	0.5 U, RL1	0.010 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.070 U	0.075 0	0.070 U	0.075 U
Dibenzoluran	mg/ig			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	U 30.0	0.06 U	0.06 U	0.06 U	0.06 U
Diethyl phthalate	mg/ig			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
Dimeshyl phthalate Dim-butyl phthalate	mg/kg mg/kg			- 62 000	6 100	92		0.065 U	0.32 U, RL1 0.45 U RL1	0.065 U	0.05 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-octyl phthalate	mg/ig			-				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/ig			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	. 0.012	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	maña			22	62	0.00103	0.013	0 10.0	0.35 U, RL1	0.06 U	0.07 0	0 10.0	0.07 0	0.07 0	U 30.0	0.07 0	U 30.0	0.07 0	0.00 U	0.07 0
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/ig			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 konhorone	mg/kg mg/kg			2.1	0.15	0.12		0.13 U 0.06 U	0.65 U, RL1 0.3 U DI 1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U 0.06 U	0.13 U	0.13 U	0.13 U	0.13 U 0.06 U	0.13 U
Naphthalene	mg/ig			18	3.6	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
Nirobenzene	mg/lig			24	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/ig			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
Pentachlorophenol	mg/sg mg/sc		13	300	30	0.0057	0.01	0.06 U	0.4 0, RL1 0.75 U. RI 1	0.06 U	0.08 U	0.05 0	0.08 U	0.06 U	0.08 U	0.06 U	0.08 U	0.05 U	0.06 U	0.08 U
Phenanthrene	mg/ig		-			-		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/ig			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, Celifornia

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Exceeds US Environmental Poliadion Agency (USEPA) Generic Screening Levels, May 2010 Sal-Screening Humbers for Nermatable Chemicals Based on Table Exposure to Contaminated Sait Inhibition, Ingedion and Dermal Absorption, Residential, Sal-Screening Inhibiting for Monolation Elevencies Based on Table Exposure for Contranted Sait Inhibition, Hupstifin and Dermal Absorption, Commercial Industrial, Industrial Sait, Residential Sait, Rotection of GW, Reis Based on Potection of GW, MCL Based 1.23

		CA 0	EHHR			ISEPA		SB 16-1.0	SD-16-6.5		00P-6		DUP 5		\$9.17.14	SB. 18-1.0	SB-18-11.5	50.10.13	\$8-19-1.1	\$11-19-39.5
A nalyle (by (i mup)		Industrial Sol	Residential Soll	Industrial Soil	Residential Sal	Protection of GVA( Risk Based	Protection of GW, MCC Based	12 Mar 11	12-Mail-11	12 Mar 11	(SB-16-13.5) 12-554-11	12-Mar - 11	(SD-17-1) 12.85ar 11	12-Adar 14	12.Mai 11	12 Mar 11	12.Mar \$1	12-Mar. 11	14 Alar 11	14-Mar 11
Wetals																				
Antimony	mg/ig		380	410	31	0.66	0.27	0.87 J	0.67 J	0.3 U	0.68 J	0.57 J	0.56	0.5 J	0.3 U	0.58 J	0.3 U	0.3 U	0.55 J	2.7
Arsenic	mg/ig		0.24	1.6	0.39	0.0013	0.29	2.9	2.5	1.7	17	2.5	31	1.5	**	34	1	21	2.6	2.8
Barium	mg/ig		63,000	190,000	15,000	300	82	140	100	140	150	:::::91::::::	100	130	110	140	67	70	5	
Beryllium	mg/ig		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/ig	1.7	7.5	800	70	1.4	0.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 J	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/ig						180,000					18	20	43		22	8.3	12	74	
Copper	mg/kg	3,000	38,000	41,000	3,100	51	46	19	19	23	33	23	19	18	21	25	13	11/10/13/14	12	18
Lead	mg/ig	80	320	800	400		14	10	9.4	CO166 (CC)	3	4.1	5.1	3.7	41	8	37	31	33	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
Molytodenum	mg/ig	3.80	4,800	5,100	390	3.7		021 J	0.3 <del>6</del> J	21	0,77	0.43 ]	0.2 U	25	1.2 J	0.24 J	02 U	0.7 ]	0.4 J	5,6
Nickel	mg/ig	1,600	16,000	20,000	1,500	48		13	13	8.5	8.4	13	- 1 <b>3</b>	8.9	9.6	16	6.7	6.9	6.6	7.3
Selenium	mg/ig	3.80	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/ig	380	4,800	5,100	390	1.6		0.094 U	0.096 U	0.094 U	0.096 U	0.2	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/ig			610,000	47,000	5,500		1.3 U	1.3 U	1.3 U	1.3 U	<ul> <li>&lt;1400000</li> </ul>	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/ig	23,000	100,000	310,000	23,000	680		43				39	Constant <b>41</b> - 2010	34.000						35
Pyrene	mg/ig			17,000	1,700	120		0.08 U	0.4 U, RL1	0.08 U	U 80,0	0.08 U	U 80.0	0.08 U	U 80,0	U 80.0	0.08 U	U 80.0	0.08 U	0.08 U
Polychlorinated Biphenyls (PCB)																				
Arector 1016	mg/ig			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/ig			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
Arector 1232	mg/ig			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/ig			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/ig	-		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
Araclar 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/ig	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

Noies: 1. California Office of Environmental Health Hazard Assessment, Seg 2010 2. US Environmental Protection Agency (USEPA) Generic Screening Levels, May 2010

2. Use two investial Headbon Agency (USEHN) (Genera Soereng Leves, May 2010) Page - mitypare at tribgians B-1 - mixed bits. B-1 - mixed bits. B-1 - mixed bits. C - Galardan bits for access was also well for method complicit for this saidy, all and codeded, data not impacted. C - Galardan bits. Analy didected at a level less than the bibonshiry Reporting Limit (RL) and greater than or equal to the M&Hod Didection Limit (ML).

Limit (MOL).

Intel (MOL)

A loading of control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected,
data not impacted.

Not. The Mis and/or MOS were above the acceptance limits due to sample matrix references. See Bank Spile (LCS)
Mit. Ale The Mis and/or MOS were above the acceptance limits due to sample matrix references. See Bank Spile (LCS)
Mit. Ale The Mis and/or MOS were above the acceptance limits due to sample matrix references. See Bank Spile (LCS)
Mit. Ale The Mis and/or MOS were above the acceptance limits due to sample matrix references. See Bank Spile (LCS)
(Mit. Ale The Mis and/or Limits due to sample matrix references. The individual analyte QAVOC
Notations. The mit and/or MOS were above thin acceptance limits
(Mit. Ale Mission Control, Mission Control











	л <i>л</i> 1/			Drilling Log	
	IVI V			Soli Bolling SB-01 Page: 1 of 1	
Project <u>GE</u> Location <u>17</u> Surface Elev. Casing Sticku Screen: Diam Casing: Diam Drill Co. <u>Cas</u> Driller <u>C. Vil</u> Start Date <u>3</u> /	Aviation 00 Busine 488 p _NA eter _NA eter _NA scade Drili Vicana 9/2011	ss Center Ave, Total De Water Le Length Length ling C	Duan pth _ evel Ir <u>NA</u> Driller	Owner       GE         te, CA       Project Number       1010880         25.0 ft       Borehole Diameter       8.25 in       North       NA          Not Encountered       East       NA       Sample SB-01-22.5 is a lof core run from 20' to 25          Type/Size       NA       of core run from 20' to 25          Type NA	ŋ to 6' bgs to drilling. composite ' bgs.
Depth (ft) PID	Sample ID % Recovery	Blow Counts Graphic Log	NSCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 - 0.0 0.0 	<u>SB-01-</u> <u>1.0</u> 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. 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. 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.	
	<u>SB-01-</u> 22.5 100%		SP	At 14 ft bgs, no recovery. 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. At 20 ft bgs, becomes dry. End of boring = 25 ft bgs.	
				End of boring = 25 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the surface.	

	Drilli	ng Log <sub>Soi</sub>	I Boring <b>SB-02</b>
Project <u>GE Aviation</u> Location <u>1700 Business Ce</u> Surface Elev. <u>~488</u> Casing Stickup <u>NA</u> Screen: Diameter <u>NA</u> Casing: Diameter <u>NA</u> Drill Co. <u>Cascade Drilling</u> Driller <u>R. Suffle</u> Start Date <u>3/9/2011</u>	enter Ave, Duarte, CA Total Depth <u>15.0 ft</u> Bor Water Level Initial <u>V Not Encour</u> Length <u>NA</u> Length <u>NA</u> Drilling Met Driller C-57 # <u>938110</u> Completion Date <u>3/9/20</u>	Owner <u>GE</u> Project Number <u>101084</u> ehole Diameter <u>8.0 in</u> North <u>N</u> <u>ntered</u> East <u>NA</u> Type/Size <u>NA</u> Type <u>NA</u> Log By <u>B. Foster</u> <u>11</u> Checked By <u>C. Carter</u>	Page: 1 of 1 COMMENTS Hand augered soil boring to 5' bgs for utility clearance prior to drilling. Boring collapsed during bakfilling activities.
Depth (ft) (ft) (ft) (ppm) % Recovery Blow Counts	Graphic Log USCS	Description (Color, Moisture, Texture, S Geologic Descriptions are Base	tructure, Odor)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	GW At 8 ft bgs, S SAND (SW) well graded, At 2 ft bgs, g GRAVEL (GV dense, well g GW At 8 ft bgs, S SAND (SW) coarse graine 10% cobbles SW At 14 ft bgs, s w/depth.	w/gravel and cobbles, brown (10YR 30% gravel, 10% cobbles, max. gra rades to GRAVEL w/sand and cobb N) w/sand and cobbles, light gravisl raded, rounded gravel, igneous cob w/gravel, gravish brown (10YR 5/2); ed sand, well graded, rounded grave , max. grain size: 4".	4/2), dry to moist, dense, in size: 10", pyritic flakes.         les.         n brown (10YR ), dry,
	Total depth o Boring backfi at surface.	f boring = 15 ft bgs. lled with cement bentonite grout an	d completed with concrete

	) п	Л	<b>N/ L</b>	4		Drilling Log Soil Boring SB-03	
W						Page: 1 of 1	
Project	GE Av	riation				Owner <u>GE</u> COMMENTS Soil boring hand auger	ed to 5' bas
Location	1700	Busine	ess Ce	nter Ave,	, Duan	te, CA Project Number 1010880 for utility clearance price	r to drilling.
Surface	Elev.	~488		Total De	epth	<u>13.0 ft</u> Borehole Diameter <u>8.25 in</u> North <u>NA</u>	
Screen	Diamet	er NA	<u>a</u>	Water L	evel Ir	nitial <u>▼ Not Encountered</u> East <u>NA</u>	
Cooing	Diamet	or N/	<u>.</u>	Length			
Drill Co	Case	er <u>IV</u> A	illina	Lengin	_NA	Drilling Method Hollow Stem Auger	
Driller	M. Wati	ers	unng		Driller	C-57 # 938110 Log By C. Carter	
_ Start Da	te <u>3/9/</u> 2	2011		(	Comple	etion Date <u>3/9/2011</u> Checked By <u>M. Milman-Barris</u>	
Depth (ft)	DID (mdd)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 -		SB-03-				Concrete - 0.3 ft thick	
	-	1.0		p Î		Aggregate base - 0.3 ft thick.	~
	1	100%				grained sand, 10% medium grained sand, 30-35% silt.	
2 -	1						
					SM		
	]						
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	
- 6 -	0.0	<u>SB-03-</u> <u>6.7</u>	30 50/5"	° () °		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.	
			35	00	SM	At 6.5 ft bgs, 6" thick layer of SILT w/sand [ML], olive brown (2.5Y 4/3).	
F -	- 0.0	100%	<del>5</del> 0/6" 🛛			At 7.2 ft has Crowel/eachle frogment />1 Ell improve	
:	1		1			ALT.2 IL bgs, Graver/couble fragment (>1.5.), igneous.	
¦ <u> </u>			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.	
j <mark>⊢ 10</mark> –	-	 SB-03-	1		1		
	-	11	1		SP		
<u> </u>	- 00		50/6" N		NC I	At 11 ft bgs, increase in gravel content.	
	- 0.0	100%	T ×				
5 – 12 –	1		1				
	1		1				
	1			p <u>1114</u> 5	1	Refusal on cobble/boulder.	
ζ	1		1			Total depth of boring = 13 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the	
;⊢ 14 –	1		1			surface.	
	1		1				
	1						
	I	1	1	1	I	1	1

	MV	NH			Drilling Log Soil Boring SB-04	
Project <u>Gi</u> Location <u></u> Surface Ele Casing Stic Screen: Dia Casing: Dia Drill Co. <u>C</u> Driller <u>R.S</u> Start Date _	E Aviation 1700 Busine V~488 kup _NA meter _NA meter _NA Cascade Dri Suffle 3/9/2011	ess Centr Tr W A Lr A Lr Willing	er Ave, E otal Dep /ater Lev ength <u>/</u> ength <u>/</u> D D	Duarte, ( th <u>16</u> vel Initia VA VA riller C- mpletic	Owner       GE       COMMENTS         CA       Project Number       1010880         C0       ft       Borehole Diameter       8.0 in       North       NA         IV Not Encountered       East       NA       NA         Type/Size       NA       NA         Drilling Method       Hollow Stem Auger       Est Foster         57 #       938110       Log By       B. Foster         n Date       3/9/2011       Checked By       C. Carter	g to 5' bgs to drilling.
Depth (ft)	(ppm) <u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
	1.2 <u>SB-04-</u> <u>2.0</u> 100% 0.4 <u>SB-04-</u> 7 <i>E</i>			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". At 3 ft bgs, increase in gravel content w/depth.	•••••••
	1.4 100% 0.6 3.0 2.6 <u>SB-04-</u> 15	≥100 (\\c 200		ЭW	GRAVEL (GW) w/sand, dark grayish brown (10YR 4/2), gravel, well graded, dry, very dense, trace cobble, max. grain size: 4", fragmented/chipped. At 14 ft bgs, sand is fine to medium grained.	
		*100			Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	

MWH	Drilling Log Soil Boring	sB-05
Project       GE Aviation         Location       1700 Business Center Ave,         Surface Elev.       ~488         Casing Stickup       NA         Vater L         Screen: Diameter       NA         Length         Casing: Diameter       NA         Length         Drill Co.       Cascade Drilling         Driller       C. Villicana         Start Date       3/10/2011	Owner       GE         Duarte, CA       Project Number       1010880         oth       14.8 ft       Borehole Diameter       8.25 in       North       NA         vel Initial       Not Encountered       East       NA         NA       Type/Size       NA         NA       Type       NA         Orilling Method       Hollow Stem Auger         Oriller C-57 #       938110       Log By       C. Carter         ompletion 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.
Graphic (ft) (ft) (ft) (ft) (ppm) % Recovery Blow Counts Graphic Log	Color, Moisture, Texture, Structure, O Geologic Descriptions are Based on the USC	Abandonment S:
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<ul> <li>Asphalt. Aggregate base.</li> <li>Silty SAND (SM), brown (10YR 4/3), dry, poorly graded, fir 5% coarse grained sand, 10-15% fine angular gravel, 35-4</li> <li>Silty GRAVEL (GM) w/sand, dark brown (10YR 3/2), dry, p fine to coarse subangular igneous gravel, 15-20% fine grai 15-20% silt, very dense.</li> <li>GM</li> <li>At 10 ft bgs, color change to brown (10YR 5/3), fine to coar sand. At 11.5 ft bgs, 20-25% fine to coarse grained sand, 20-25% At 13 ft bgs, color change to olive brown (2.5Y 4/3), 20-25% coarse grained sand, trace medium grained sand, 15-20%</li> </ul>	arse grained 6 silt. % fine and silt.
чним 14.3 43 60 0 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50/4" 100\% 50\% 50\% 50\% 50\% 50\% 50\% 50\% 50\% 50\%	At 14.5 ft bgs, 20-25% fine to coarse grained sand. End of boring = 14.8 ft bgs. Backfilled with cement bentonite grout, and completed with surface.	n asphalt at the

<b>(</b> ) мwн	Drilling Log Soil Boring	SB-06
Project       GE Aviation         Location       1700 Business Center Ave, I         Surface Elev.       ~488         Casing Stickup       NA         Vater Le         Screen: Diameter       NA         Length	Owner       GE         uarte, CA       Project Number       1010880         h       16.0 ft       Borehole Diameter       8.25 in       North       NA         el Initial       Not Encountered       East       NA         IA       Type/Size       NA         IA       Type       NA         Ia       Drilling Method       Hollow Stem Auger         iller C-57 #       938110       Log By       B. Foster         mpletion Date       3/10/2011       Checked By       C. Carter	COMMENTS Hand augered soil boring to 6' bgs for utility clearance prior to drilling.
Depth (ft) (ft) (ft) (ppm) Sample ID % Recovery Blow Counts Graphic Log	Description (Color, Moisture, Texture, Structure, Od Geologic Descriptions are Based on the USCS	A Boring Boring Abandonment
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Asphalt and aggregate base - ~5" thick. SAND (SW) w/gravel and cobbles, very dark gravish brown dry to moist, dense, well graded, rounded gravel and cobble predominantly igneous, max. grain size: 12". At 3 ft bgs: Cobble, maximum size: >12", no recovery.	(10YR 3/2),
$ \begin{array}{c}                                     $	Cobbles with sand. At 6 ft bgs, increased sand content. SAND (SW) w/gravel and cobbles, gravish brown (2.5Y 5/2) dry, fine grained sand, trace silt, rounded gravel and cobble, predominantly igneous, max. grain size: 12". GRAVEL (GW) w/sand and cobbles, light brownish grav (2.5	), very dense,
	dense, dry, finé to medium grained sand, rounded gravel, co fragments, predominantly igneous.	57 6/2), very
58-06-     90       16     15       100%       100%	Total depth of boring = 16 ft bgs. Boring backfilled with cement bentonite grout and completed at surface.	d with asphalt

			<b>\/ L</b>			Drilling Log	SB-07	
W	יע	VIV	VI				Page: 1 of 1	
Project	GE Av	riation				Owner <i>GE</i>	COMMENTS Hand augered soil boring	to 5' bgs
Location	ו <u>1700</u> דוסע	) Busine ~402	ess Ce	nter Ave, Total De	<i>Duan</i>	e, CA Project Number <u>1010880</u>	for utility clearance prior t	o drilling.
Casing	Stickup	NA		Water L	evel Ir	itial ▼ Not Encountered East NA	approximately 4' above g surface.	round
Screen:	Diamet	er <u>NA</u>	L	Length	NA	Type/Size		
Casing:	Diamet	er <u>NA</u>		Length	NA	Туре _ <i>NA</i>		
Drill Co.	Casc	ade Drii	lling			Drilling Method Hollow Stem Auger		
Driller	<u>M. Wate</u>	ers			Driller Comple	C-57 # <u>938110</u> Log By <u>R. Robitaille</u>		
		/2011		(	Jompi	Short Date <u>3/10/2011</u> Oneoked Dy <u>0. Odner</u>		
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Od Geologic Descriptions are Based on the USC	or) S.	Boring Abandonment
- 0 -						- Concrete - 4" thick		<i>V////////////////////////////////////</i>
- - - - - - - - -	- 0.8 - - - - - -	<u>SB-01-</u> <u>1.0</u> 100%			SP	SAND (SP) w/gravel and cobbles, dark brown (10YR 3/3), to poorly to well, graded fine to coarse grained sand, 20% fine gravel, 10% cobbles, max. grain size: 8", presence of brick t (FILL).	bose, dry, to coarse fragments,	
- - - - - - - - - - - - - - - - - - -						Refusal at 6 ft bgs on obstruction (possible concrete slab or Total depth of boring = 6 ft bgs. Boring backfilled with cement bentonite grout and completed at surface.	boulder). d with concrete	
- - - 10 - -	-							
- - 12 -	-							
- 14	-							
	1							
5 	-							
	1							
10	-							
- <b>10</b> -	-							
20 -	- - -							
2 - - 22 -								
- 24 -	-							

A MW	'H	Drilling Log Soil Boring SB-08	
Project <u>GE Aviation</u> Location <u>1700 Business</u> Surface Elev. <u>~488</u> Casing Stickup <u>NA</u> Screen: Diameter <u>NA</u> Casing: Diameter <u>NA</u> Drill Co. <u>Cascade Drilling</u> Driller <u>R. Suffle</u> Start Date <u>3/10/2011</u>	Center Ave, Duarte Total Depth Water Level Ini Length <u>NA</u> Length <u>NA</u> Driller ( Comple	Owner       GE         a, CA       Project Number       1010880         16.0 ft       Borehole Diameter       8.25 in       North       NA         tial       Not Encountered       East       NA          Type/Size       NA	to 5' bgs o drilling.
Depth (ft) (ft) (ft) (ppm) % Recovery	Graphic Graphic Log USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Gw	Asphalt - 4" thick. Aggregate base - 3" thick. SAND (SW) w/gravel and cobbles, grayish brown to dark grayish brown (10YR 4/2 - 10YR 5/2), dry to moist, dense, well graded. 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".	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ж. 	<ul> <li>SAND (SW) w/gravel and cobbles, dark grayish brown (10YR 4/2), dry to moist, well graded, rounded, trace cobble, max. grain size: 12".</li> <li>At 11.5 ft bgs, fragments of gravel/cobble. No recovery.</li> <li>At 13.5 ft bgs, grayish brown (2.5Y 5/2), dry, fine to coarse grained, max. grain size: 4", predominantly igneous, slightly micaceous.</li> </ul>	
- 18 - - 20 - - 22 - - 22 - - 24 -		Boring backfilled with cement bentonite grout and completed with asphalt at surface.	

		Drilling Log	
		Page: 1 of 1	
Project <u>GE Aviation</u>		Owner <u>GE</u> COMMENTS Soil boring hand augered	i to 6' bgs
Location <u>1/00 Business Ce</u> Surface Elev ~488	nter Ave, Duart Total Depth	e, CA Project Number <u>1010880</u> for utility clearance prior in 14.0 ft Borehole Diameter 8.25 in North NA	to drilling.
Casing Stickup <u>NA</u>	Water Level Ir	itial <u>Not Encountered</u> East <u>NA</u>	
Screen: Diameter <u>NA</u>	Length NA	Type/Size <u>NA</u>	
Casing: Diameter <u>NA</u>	Length NA	Type <u>NA</u>	
Drill Co. <u>Cascade Drilling</u> Driller C. Villicana	Driller	Drilling Method <u>Hollow Stem Auger</u>	
Start Date <u>3/10/2011</u>	Comple	etion Date <u>3/10/2011</u> Checked By <u>M. Milman-Ba</u> rris	
Depth (ft) (ft) (ft) (ft) (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 <u></u>		Asphalt - 0.3 ft thick/	
$\begin{bmatrix} & & - & & & \frac{1.0}{100\%} \\ & & - & & & 0.0 \\ & & - & & & & 0.0 \\ & & - & & & & & 0 \\ & & - & & & & & 0 \end{bmatrix}$		Aggregate base - 0.3 ft thick. // 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.	
$\begin{bmatrix} - & - & - & - & - & - & - & - & - & - $		At 6.5 ft bgs, very dense.	
$\begin{bmatrix} 10 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ $		At 11.5 ft bgs, increased gravel content and size, 30-40% coarse gravel,	
50/6"		trace fine gravel.	
0.0 <u>SB-09-</u> 50/6"		At 13 ft bgs, decreased gravel content to 20-25%, fine to coarse gravel.	
		Total depth of boring = 14 ft bgs. Backfilled with cement bentonite grout, and completed with asphalt at the	
		SUITACE.	
24 -			

			Drilling Log	
Project <u>GE Aviation</u> Location <u>1700 Bur</u> Surface Elev. <u>~48</u> Casing Stickup <u>Nr</u> Screen: Diameter Casing: Diameter Drill Co. <u>Cascade</u> Driller <u>R. Suffle</u> Start Date <u>3/10/20</u>	n siness Center Av 8 Total E A Water NA Length Drilling	<i>e, Duar</i> Depth Level Ir <u>NA</u> <u>NA</u> Driller Comple	Page: 1 of 1         Owner       GE         te, CA       Project Number       1010880         12.0 ft       Borehole Diameter       8.25 in       North       0.00 ft         initial       Not Encountered       East       219.80 ft         Type/Size       NA       Orilling Method       Hollow Stem Auger         C-57 #       938110       Log By       B. Foster / C. Carter         etion Date       3/11/2011       Checked By       C. Carter	g to 5' bgs to drilling. mple for otal depth of
Depth (ff) (ff) (ff) (ff) (ff) (ff) Sample ID	% recovery Blow Counts Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		SP	<ul> <li>Asphalt (2") with aggregate base.</li> <li>SAND with SILT (SP-SM) and gravel and cobbles, very dark gravish brown (2.5Y 3/2), dense, dry to moist, fine to medium grained sand, rounded gravel and cobbles, max. grain size: 13".</li> <li>At 3-5 ft bgs, no recovery, (boulder).</li> <li>At 5 ft bgs, no recovery, (boulder).</li> <li>SAND (SW) w/gravel, gravish brown (2.5Y 5/2), dense, dry, fine to coarse grained sand, rounded gravel, max. grain size: 4".</li> <li>At 11 ft bgs, very dense, igneous rock fragments (&lt;1.5").</li> <li>Refusal on cobble/boulder, at 12 ft bgs.</li> <li>Total depth of boring = 12 ft bgs.</li> <li>Boring backfilled with cement bentonite grout and completed with asphalt at surface.</li> </ul>	

( MW	/Н	Drilling Log Soil Boring SB-11	
Project <u>GE Aviation</u> Location <u>1700 Business</u> Surface Elev. <u>~492</u> Casing Stickup <u>NA</u> Screen: Diameter <u>NA</u> Casing: Diameter <u>NA</u> Drill Co. <u>Cascade Drillir</u> Driller <u>M. Waters</u> Start Date <u>3/10/2011</u>	s Center Ave, Duart Total Depth Water Level In Length <u>NA</u> Length <u>NA</u> g Driller Comple	Owner       GE       COMMENTS         e, CA       Project Number       1010880         16.0 ft       Borehole Diameter       8.25 in       North       0.00 ft         itial       Not Encountered       East       388.00 ft         Type/Size       NA	ing to 5' bgs or to drilling.
Cepth (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)	Blow Counts Graphic Log USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SP SP SP SP SP SP SP SP SP SP SP SP SP S	Concrete - 8" thick.         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.         At 6 ft bgs, grades to SAND (SP), with cobbles.         SAND (SP) w/cobbles, dry, poorly graded, fine grained sand, 20% fine to coarse gravel.         At 12.5 ft bgs, increased cobble content.         At 14 ft bgs, no recovery.         Total depth of boring = 16 ft bgs.         Boring backfilled with cement bentonite grout and completed with concrete at surface.	

<b>(</b> ) MV	/H	Drilling Log Soil Boring SB-12	
Project <u>GE Aviation</u> Location <u>1700 Business</u> Surface Elev. <u>~488</u> Casing Stickup <u>NA</u> Screen: Diameter <u>NA</u> Casing: Diameter <u>NA</u> Drill Co. <u>Cascade Drillin</u> Driller <u>C. Villicana</u> Start Date <u>3/11/2011</u>	<u>s Center Ave, Duart</u> Total Depth Water Level Ir Length <u>NA</u> Length <u>NA</u> ng Driller Comple	Owner       GE         te, CA       Project Number       1010880         15.0 ft       Borehole Diameter       8.25 in       North       NA	ed to 5' bgs r to drilling. grassy lawn.
Depth (ft) (ft) (ppm) <u>Sample ID</u> % Recovery	Blow Counts Graphic Log USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>A brit A tri</u> <u>1/ </u>	Topsoil - 0.8 ft thick, rootlets and tree roots. 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.	$\frac{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle}{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle} \frac{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle}{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle} \frac{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle}{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle} \frac{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle}{\langle \underline{\lambda}, \underline{\lambda}_{2} \rangle} $
- 4	/5" _ 0 _ 0 _ 0 _ 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. 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	-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	/6" GM	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.	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	/6" SP ,6" SP ,6" SP ,0" SP ,0" SP ,0" SP ,0" SP ,0" SP ,0" SP	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).	
		Total depth of boring = 15 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	

	MV	NH		Drilling Log Soil Boring SB-13	
Project <u>G</u> Location Surface Ele Casing Stid Screen: Dia Casing: Dia Drill Co Driller <u>R.</u> Start Date	SE Aviation           1700 Busine           ev.         ~488           ckup         NA           ameter         NA           ameter         NA           Cascade Drit         Suffle           3/11/2011         3/11/2011	ess Center Ave Total D Water L Length Length	epth_ _evel Ir _NA _NA  Driller Comple	Owner       GE         te, CA       Project Number       1010880         15.0 ft       Borehole Diameter       8.25 in       North       0.00 ft         initial       Not Encountered       East       0.00 ft         Type/Size       NA          Type       NA          Drilling Method       Hollow Stem Auger         *C-57 #       938110       Log By       E. VanderVelde         etion Date       3/11/2011       Checked By       C. Carter	g to 5' bgs to drilling,
Depth (ft)	PID (ppm) <u>Sample ID</u> % Recovery	Blow Counts Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
	$\begin{array}{c c} & & \\ \hline 0.0 & \\ & \\ \hline SB-13- \\ 100\% \\ \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ 0.0 & \\ \hline SB-13- \\ 0.0 & \\ 0.0 & \\ 14 \\ 75\% \end{array}$		SP SP SM SP SM	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. 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". SAND with SILT (SP-SM), gray (2.5Y 6/1), dry, poorly graded, fine grained sand to gravel, 25% gravel, 10% silt. 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".	
	1376			Total depth of boring = 15 ft bgs. Boring backfilled with cement bentonite grout and completed with asphalt at surface.	

						Drilling Log	
	) I	YI V	VF	-1		Soli Boring SD-14 Page: 1 of 1	
Project	GE Av	iation				Owner <u>GE</u> COMMENTS Hand augered soil boring	a to 5' bas
Location	1700	Busine	ess Ce	nter Ave,	, Duart	te, CA Project Number <u>1010880</u> for utility clearance prior	to drilling.
Casing S	Elev. Stickup	~492 NA		Total De	evel Ir	14.0 ft Borehole Diameter 8.25 in North NA Unable to collect soil same chemical analysis from to collect soil	nple for otal depth of
Screen:	Diamet	er <u>N</u> A	1	Length	NA	Type/Size NA	
Casing:	Diamete	er <u>NA</u>	۱	Length	NA		
Drill Co.	Casc	ade Dri	lling			Drilling Method Hollow Stem Auger	
Driller _	M. Wate	ərs			Driller	C-57 # _938110 Log By _ <i>R. Robitaille</i>	
Start Da	te <u>3/11</u>	/2011		(	Jomple	etion Date <u>3/11/2011</u> Checked By <u>C. Carter</u>	
Depth (ft)	DID (mdd)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
	1.4					Concrete - 6".	
	1	<u>SB-14-</u>				Sandy SILT (ML), dark grayish brown (10YR 4/2) to yellowish brown (10YR 5/6), dry, hard, 30% fine grained sand, micaceous, trace caliche (?)	
2 -	12	100%			м	(FILL).	
$\mathbf{F}$	- ''-						
- 4 -	-					At 4 ft bas, arades to with cobbles	
						Sandy SILT (ML) with gravel, dark brown (10YR 3/3) to dark gravish	
						brown (10YR 4/2), dry, 30% tine to coarse grained sand, 20% tine to coarse subangular to subrounded gravel, trace cobbles, trace clay, gravel	
Ę					e	is metamorphic and sedimentary.	
⊦	0.3	<u>SB-14-</u> <u>07'</u>	37 X 38			At 7 ft bgs, poor recovery.	
	1 0.2	35%	32		ML	At 8.5 ft has very hard	
						At 0.0 it byo, vory hard.	
<u> </u> 10 -	0.4	.	50/6"				
- 12 -		,	50/6" [		<u> </u>	SAND (SW) with gravel, gravish brown (2.5Y 5/2), dry, very dense, well	
	- 0.3	+	50/4" L	°. (), °	sw	graded, 40% fine to coarse grained sand, 40% fine to coarse subangular	
; - ; - 14 -	0.3	:	30/4" 🗆	2 0			
						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	
i - 16 - i -	-						
8 - 18 -							
- ·	-						
- 20 -	-						
- 22 -	1						
	1						
	-						
24 -	1						

			R/1			Drilling Log	
	) I	VIV	VI			Soli Boring SD-13 Page: 1 of 1	
Project	GE Av	riation				Owner <u>GE</u> COMMENTS Soli boring band augerer	d to 5 bas
Location	1700	Busine	ess Ce	nter Ave,	Duan	te, CA Project Number 1010880 for utility clearance prior	to drilling.
Surface Casing S	Elev. Stickup	~488 NA		Total De	epth_ 	<u>14.5 tt</u> Borehole Diameter <u>8.25 in</u> North <u>NA</u>	
Screen:	Diamet	er NA	١	Lenath	NA		
Casing:	Diamete	er <u>N</u> A	۱	Length	NA		
Drill Co.	Casc	ade Dri	illing			Drilling Method Hollow Stem Auger	
Driller _	C. Villic	ana			Driller	C-57 # <u>938110</u> Log By <u>C. Carter</u>	
Start Da	te <u>3/11</u>	/2011		(	Comple	etion Date <u>3/11/2011</u> Checked By <u>M. Milman-Barris</u>	
Depth (ft)	PID (mdd)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	NSCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
- 0 - - 2 - - 2 - - 4 - - 6 - - 6 - - 8 -	0	SB-15- 1.0 SB-15- 1.0- MS/MDS 100%	50/4" [ 50/6" [ 50/2" [		GP	Asphalt - 0.2 ft thick. Aggregate base - 0.6 ft thick. 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.	
- 10 - - 10 - - 12 -	0.1	<u>SB-15-</u> <u>10.3</u> 100%	50/6" 50/6" 50/4"	<u>∽°°°°°°°°°°°°</u> <u>©°°°°°°°°°°°</u> 2°°°°°°°°°°°°°°°°°°°°°°°°°		At 10 ft bgs. poor recovery.	
- - 14 -	1.3	SB-15- 13.3 40%	50/6" 50/6" 50/6"			At 13 ft bgs. poor recovery.	
						Total depth of boring = 14.5 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt	
- 16 -	1					at the surface.	
	-						
- 18 -	-						
	1						
- - 20 -	1						
	1						
- 22 -	-						
- 24 -	-						

		Drilling Log	
		Page: 1 of 1	
Project <u>GE Aviation</u>		Owner <u>GE</u> Soil boring hand augere	d to 5' bgs
Surface Elev ~488	Total Depth	e, CA Project Number <u>1010880</u> for utility clearance prior	to drilling.
Casing Stickup <u>NA</u>	Water Level In	itial▼ Not Encountered East NA	
Screen: Diameter <u>NA</u>	Length NA	Type/Size NA	
Casing: Diameter <u>NA</u>	Length NA		
Drill Co. Cascade Drilling		Drilling Method Hollow Stem Auger	
Driller <u>C. Villicana</u>	Driller	C-57 # <u>938110</u> Log By <u>C. Carter</u>	
Start Date <u>3/12/2011</u>	Comple	tion Date <u>3/12/2011</u> Checked By <u>M. Milman-Ba</u> rris	
Depth (ft) (ft) (ppm) Sample ID % Recovery Blow Counts	Graphic Log USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0.4 SB-16-		Asphalt - 0.3 ft thick.	
$\begin{array}{cccc} - & - & \frac{35}{1.0} \\ - & 2 & - \\ - & - & \\ - & - & - \\ - & - & - \\ - & - &$		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	SM	At 5 ft bgs, very dense, gravel content and size increased, 20-30% fine to coarse grained gravel, max grain size: 3".	
$\begin{bmatrix} 0 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\$		CRAVEL (CP) with sand glive brown (2.5V 1/3) dry very dense poorly	
	GP	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.	
12 - 0.3 50/6" 50/3"	D SM	Sity SAND (SM) with gravel, light onve 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".	
0.2 Dup-6 50/6" Dup-6 50/6" 14 - 0.2 Dup-6 50/6" SB-16- 50/4"			
		Total depth of boring = 14.6 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.	

Л	Λ Π	ЛМ	<b>N/L</b>			Drilling Log	SB-17	
V	<b>レ</b> "	VI V	VI			Son Boring	Page: 1 of 1	
Project	GE Av	iation				Owner <u>GE</u>	COMMENTS	to 5' bas
Locatio	n <u>1700</u>	Busine	ess Ce	nter Ave,	Duan	e, CA Project Number <u>1010880</u>	for utility clearance prior t	to drilling.
Surface	Elev.	~488		Total De	epth	<u>14.5 ft</u> Borehole Diameter <u>8.25 in</u> North <u>NA</u>	Soil boring is located in g	rassy lawn.
Screen	· Diamet	er NA		Water L	evel Ir	nitial <u>▼ Not Encounte</u> red East <u>NA</u>		
Casing	. Diamet	or <u>NA</u>	•	Length		Type/Size _/VA		
Drill Co	Case	ade Dri	llina	Lengin	A	Drilling Method Hallow Stem Auger		
Driller	R. Suff	9 9	in ig		Driller	C-57 # 938110 Log By R. Robitaille		
Start D	ate 3/12	/2011			Comple	etion Date 3/12/2011 Checked By C. Carter		
	_		•					
Depth (ft)	(mqq)	<u>Sample ID</u> % Recovery	Blow Counts	Graphic Log	nscs	Description (Color, Moisture, Texture, Structure, Oc Geologic Descriptions are Based on the USC	dor) S.	Boring Abandonment
_ 0 .								
-	- 0.3	SB-17-			CM	Silty SAND (SM), dark brown (7.5YR 3/2), moist, medium d graded, fine grained sand, 40% silt, trace gravel, with grass	ense, poorly	11. 21. 21/
-	0.2	<u>1'</u> 100%			SIVI			
	_					SAND (SW) with gravel and cobbles, brown (10YR 5/3), dry	y, dense, well	
-	- 0.5					graded, 40% fine to coarse grained sand, 40% fine to coars	se gravel, 20%	
- 4	_							
F	1							
F a	-		30/6"					
- 6	-	10	0/6"	Į į į				
-	0.4	$\frac{5B-17-}{7'}$ 10	0/6" 🔀					
- 8	-	100%	0/6"		sw	At 8 ft bgs, color change to dark gravish brown (2.5Y 4/2).		
-		10						
	0.5							
+ 10	-	10	0/6"	[`•`•[•5•• ]				
-	0.3	10	0/6"	ؚۜۮؚ؞؞۫ڝٛٳ ؞؞ۛڞ؞؞				
12 ·		10	0/6"					
- -	-	10	0/6"					
 □		SB-17-						
		100%		<u> </u>		Total depth of boring = 14.5 ft bgs.		
2 40	-					Boring backfilled with cement bentonite grout and complete	d with topsoil.	
ō⊢ 16 · Ś⊢	1							
	-							
§  - 18 ·	-							
	1							
	-							
	-							
	1							
} <mark>⊢</mark> 22 ·	-							
	-							
	_		ļ					

	<b>NW</b> I	H	Drilling Log Soil Boring SB-18 Page: 1 of 1	
Project <u>GE A</u> Location <u>170</u> Surface Elev. Casing Stickup Screen: Diame Casing: Diame Drill Co. <u>Case</u> Driller <u>R. Suff</u> Start Date <u>3/1</u>	viation 0 Business Co ~488 0 NA ter NA ter NA cade Drilling fle 2/2011	enter Ave, Duan Total Depth Water Level Ir Length <u>NA</u> Length <u>NA</u> Driller	Owner       GE       COMMENTS         te, CA       Project Number       1010880         13.5 ft       Borehole Diameter       8.25 in       North       NA	ed to 5' bgs r 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 	SB-18- 1.0 100% 45 60/6" 50/6"		Asphalt - 0.3 ft thick.         Aggregate base - 0.5 ft thick.         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.         At 5 ft bgs, light olive brown (2.5Y 5/4), increased gravel content to 30-35%.         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.	
	50/6" 60 45 <u>50/6"</u> <u>50/6"</u> 50/6"	BB BB	<ul> <li>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.</li> <li>At 10 ft bgs, 0.5 ft thick layer of SAND, yellowish brown (10YR 5/4 -5/6), well graded</li> <li>At 11.5 ft bgs, olive brown (2.5Y 4/5) and light olive brown (2.5Y 5/3), poor recovery.</li> <li>At 13 ft bgs, yellowish brown (10YR 5/4)</li> <li>Total depth of boring = 13.5 ft bgs.</li> <li>Boring backfilled with cement bentonite grout, and completed with asphalt at the surface.</li> </ul>	

MV	VH	Drilling Log Soil Boring SB-19 Page: 1 of	2
Project <u>GE Aviation</u> Location <u>1700 Busines</u> Surface Elev. <u>~488</u> Casing Stickup <u>NA</u> Screen: Diameter <u>NA</u> Casing: Diameter <u>NA</u> Drill Co. <u>Cascade Drill</u> Drill Co. <u>Cascade Drill</u> Driller <u>J. Johnson</u> Start Date <u>3/14/2011</u>	ss Center Ave, Duan Total Depth _ Water Level Ir Length <u>NA</u> Length <u>NA</u> ing Driller Comple	Owner       GE       COMMENTS         te, CA       Project Number       1010880         40.5 ft       Borehole Diameter       8.25 in       North       0.00 ft         initial       Not Encountered       East       556.20 ft         Type/Size       NA	iered to 5' bgs rior to drilling.
Depth (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)	Blow Counts Graphic Log USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SM	Asphalt - 0.8 ft thick. Aggregate base - 0.3 ft thick. 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".	
0 - 6	0,0,0,0,0,0,0,0 0,0,0,0,0,0,0 0,0,0,0,0	<ul> <li>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".</li> <li>At 9.0 ft bgs, ~25-30% coarse grained sand.</li> <li>At 9.5 ft bgs, light olive brown (2.5Y 5/4), ~25-30% medium to coarse grained sand.</li> <li>At 10 ft bgs, olive brown (2.5Y 4/3).</li> </ul>	
- 12 -   0 85%   - 14 -   		At 12.2 ft bgs, 0.4 ft thick layer of cobbles with gravel, max grain size 5". At 13.7 ft bgs, 0.3 ft thick layer of cobbles with gravel, max grain size 4". At 14.7 ft bgs, 0.4 ft thick layer of cobbles with gravel, max grain size	ſ-
- 16		3.75". Sandy SILT (ML), dark grayish brown (2.5Y 4/2). 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). At 19.5 ft bgs, decreasing silt content	
- 20 -		Continued Next Page	



Drilling Log

Soil Boring

**SB-19** Page: 2 of 2

Location	n <u>1700 Business Center Ave, Duarte, CA</u> Project Number <u>1010880</u>					
Depth (ft)	(mqq) DIA	<u>Sample ID</u> % Recovery	Blow Counts Graphic Log	NSCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
20					Continued	
- 20 - - - - 22 -	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. 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 —				<u>67</u>	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".	
_				GM	· · · · · · · · · · · · · · · · · · ·	
- 30 -					At 29.3 ft bgs, subangular cobble, max grain size 4.5".	
	0	90%			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 - -				· • /	At 33.0 ft bgs, trace clay.	
- 34 — - -	0	100%		1	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.	_
-	0	100%			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.	Γ
- 38 - -	0	100% <u>SB-19-</u>		ML	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".	
- 40 —	0	<u>59.5</u> 60%		• • •	At 38.0 ft bgs, cobble, angular, max grain size 4.25°. At 38.3 ft bgs, 30-35% fine to medium grained sand.	
-		60%			Total depth of boring = 40.5 ft bgs. Boring backfilled with cement bentonite grout, and completed with asphalt at the surface	
- 42						
- 44 -						
- - - 46 —						
- 07						



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:

Report No.	Date	Activity	Description
01			
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:** 

Report No.	Date	Activity	Description
01			
02			



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:** 

Report No.	Date	Activity	Description
01			
02			



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:** 

Report No.	Date	Activity	Description
01			
02			
GE Aviation Duarte Phase II ESA Duarte, CA			
-------------------------------------------------------------------------------------------------------------------------------------------------	--		
DATE:03/14/11TOTAL HOURS WORKED:11.5WEATHER:Partly cloudyEveryone Safely Off Site:YesPROJECT NO.:1010881.010102			
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)			
OTHED SUDCONTRACTORS (none officiation numbers of visit house on site)			
Test America Irvine (Courier)			
EQUIPMENT & SUPPLIES (type, usage)			
Sonic drill rig, water tender truck, support truck, personal vehicle.			
DESCRIPTION OF TASKS PERFORMED  Descrived hadges from GE and performed LIFS tailgets grigg to start of work. Mobilized and get up over SD 10			
Hand auger SB-19 for utility clearance. Advance SB-19 with & 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 Sawver (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) conected: 1B20110314 (am). 1B20110314 (conected 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 canacity (%))			
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 yesterdaymorning, which turned out to be a good thing because parking lot was full today). Received further direction in late morningto 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 bagprior to sample collection. Carter brought samples to Eric Vandervelde in PAS-1 because Test America courier will not be in areauntil 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 - DUNCTE / UP MARCH 2011

•

•



Date: 03/09/11	Papart No: CRAFF-1
MWPM: Mike Cura	Dav: Wednesda
Location: Drafe	Weather: Sunn Tclear/warm
Project: 6-5 Project EThipse.	Temp: which 70's
Job Number:	Wind: Lizh breeze
Contract Number:	Humidity: <u>113</u> 2.
· · · · · · · · · · · · · · · · · · ·	
PERSONNEL ON SITE	

MWH - Caroline Cartr Cascade (SB-ØI) - Concad Villicona, Paulopos Cure DJ/65/11, Cascade (SB-03) - Muddy Eddre Sobre Store EOUIPMENT ON SITE: Waters) Renfront Vibbard SB-ØI - CME-95 5B-\$3- LAR (ME-75) 0730 Cotor onsite, Met W/ Bobt Bri (MWH), Cascade Drimy, (Frepresentatives. faccess want for Spectrum. spectrum ansite Discuss todays agenday the Spissnes (GE Facility); 0800 HIS the Igade (GE, Cascades Uhn MWH). Reconflorations. Spectrum stars deany # SB-\$1 of utilities. 0840 0900 Cascade Mobilizes to SB-01. Setsup. Dring location is Busy area, setup Break asphalt & Starthand augenry for utility clearance. 1040 Collect 1.02 Sample. 1100 At 6 At bys. Hugery 1's slow due to presence of addres up to 7" Q. 1130 Stat core run / drilling SB-01. 1145 Driller reports boulder lobbe @ 6Ft bys 1155 At 10 At bgs. Dr. May is hard due to presence of COSBU/ Boulder @ 6'Atbgs Muddy panys sample from 1-1.5 Atbgs. from SB-03. Rob assis we to log SB-03 Dete (angrowthys) while he is w/ Spectrum. 1205 1250 1310 At 25 Febys @ SB-ØI. Poor recovery w/ core barrel. Switch to continuous pound "I split spoon sampler. Muddy is @ 5575 ys @ 5575 xt Starts setting up for drilling. At 23.556695 w/ augers for spilit spoon samply. Refusal due to 1400 collapsed copples /boulders @ 235 Ft bys. Dollars take lunch until we decide how to proceed wy SB-ØI. Cat prepares for logging \$ 58-03. Driller @SB-Ø1 reports that he still had rore for 20-25h. of 2 1430 Collected sample @ 22.5 (composite) 1510 currentister Check Calibration of L(gas wetr (+PID). 600d. 1570 Start andry SB-Ø3/From 5 Prbgs (continuous pound)

69.4 Owe \$3 \$9.14 (est #2ga has, 45 used)

Crouty of SB-\$1 is completed Mob to Eastern most (scator in Party lot & Set up to tomorrows. 1545

1600

Tect America onsite Dolling from 12.5 onwards is an bouldr. TD of 58-03 @ 12.5 Abgr. 1615

- Sample from 11-12.5 has poor recovery but will attempt to get it analyzed; Alad copped this sample incase of reflical > 12.5 ftbgs. Prepare For growing. (est. 33.3 gallors of providered as used) Crauting is complete Prepare for site departure. 1620 170D
- Crawny

5C-037092111

1730 Cascadey MWH, test America offsite

Grant mitter 3B-01: 12 pages + 2/3 bag bendenite to 70 gal weeter SB-Ø3! Sbags +1/3/bentomte + 25 gar water.

Sheet ZOPZ

GE AVIATION - DUARTE 10MARCH 2011 0630 MWH + CASCADY AVAVY DAVITE 0645 TOSM W/ MWH, CASCADE + LISA W/ HE 0715 Mob to SB-Ob (SE of building) - SET up CME-BS ng (B") HSA - Plastic, plywood + delineators 0730 bi to store for 102 - bob on confer call, cardine @ SB-05 - EAStern most boring lor. Robert + helps begin hand-auguring 38-05 to 6'695 - when main water live - 4' marked loc. 0825 collect 12 sample @ 1.5-2.5' using hand Auger - down 6" 55 sheeve into Auger \* badder @ 19" bis - hand - dig + brink Aga-1 - takes time! SAMPLE Around boulder w/ auger 0900 use Auger-bit on rig to attempt to break apart boulder 0930 Reach 5' bis - Encounter boulder from 3-5' used Auger to slowly chip apart - boring open from to s' sidewalls have cossies up to 12" protouding - cost to find cossil sources up to 6.5 bys 0135 collect 2nd sample @ 7' Using 18' split-spoon Retain The 15' . Very gavely NR 10-15' - Ry pulverizing gravely 6000 1005 sample 15-16' w/ split-spoon 1015 prep to growt w/ beatomete growt to ground surface - Asphalt @ surface use which y bird in 55-gal drum to mix ~ 25gal (2 seas portland w S-10% beat gel) 1035 use cold patch @ GS to match Existing grade 1100 MOS TO NIXT BORING - due EAST - SBOB - DELINEATE BEING IN ROADWAY = XTRA CONES 1115 Plastic down, Plywood & Tower up - core through 4" asphalt / 3" AB - Seque Hand Augering 1135 collect 1st sample 1.5-2.5 using splits pour w/ 2x6" sleever 1145 Daller Notices swarm of bees heading our way - close windows + take which break 1230 court onling from 5' bys 1255 collect 2nd sample 7.0-8.0' using split - 2x6" steeres 1350 Retain TD (0151 1355 collice 3th sample 15-14 - NEArby bee swarm invados site - clear out for a bit 1415 backfill w/ 25 get sentonite growt (5-10% ged) & coldpatch ground site to Existing grades 1440 clean site & prop to mos to NERT boring, SB-10 MOS to SOLO ON W. Side of Yidg - center of Yidg - 17' from side of Hidg (Hidg MIET) 1200 1515 lay plastic, plywood, clearly delineate site for podestrians Enter/leave building + traffic 1520 begin hand anyoing once borz through 2" Asphalt -1/ AB - collect SAMPLE 1.5-2.5 1540 Boulder @ 3'bys is holding us up - Attemp to break Apart but can't ... use anger to crosh through 1605 clear to 57 bys - continuous core w/ 13 split spoon 1630 collect sample B-q' boulder @ 7' - Sroke Apart 1700 Riscintre OTI hitting & rock - collect (Ast cample - for logging - up to 11' + call it A day! 1710 PABERWork + prep Samples for courser - sign off on dallars Daily Report 1745 bre offsite



Date: $\frac{\phi_3}{i\phi}/ii$	
MWPM: Mille Cina	
Location: 6-E Aviahon - D	uarte
Project:	h, C14
Job Number: <u>1010880</u>	<b></b>
Contract Number:	

Report No	: <u>Carter-Z</u>
Day:	03/10/11 (Mursday)
Weather:	Sunny / warm
Temp:	~ high to's
Wind:	light breeze
Humidity:	light.

PERSONNEL ON SITE: MWH Coroine Cato Cascade - Conrade Villicaña, Paul Cabos, Tracy Spilotro (HUS office) opravous Curr mgr 43/10/14 **EQUIPMENT ON SITE:** CME 95 WI decon trailer & Support-truch. WORK PERFORMED (INCLUDING SAMPLING): Discuss today's agende & adjusz H+S topics accordingly. 6-5 H+S 0645 rep discussed a few minor issues regarding yesderday's indoor dulling. Prepare for today's tasks 0715 0:730 Calbrate PZO of MultiRae. SB-ØSA hand anged from yesterday. Ready to sample. collected 1.8' sample (baser wase 1.8 St trich). 6866 Sample auto 3/10/11 No recoury @ 5-6.5 Ftbgs, Doilling & hammer on rocks/robbles. Sample auto 3/10/11 Dailing ham 6.5-8 ft = no recoury. Dulling breat intruel. \$815 0835 will attrupt sample from 8-9 Ft2 gs Dulling was show + hard (rachelcobble 0840 Donker reports that he appears subcessful (50/4") will try to advace 0845 09\$\$ perinter Poor recours 8-9 PE. Argos advanced to 10 Atsis to try another perinter sample. (Only reports easier dulling). Ø9 IØ Boor recovery. 10-11.5 St bags. Ship & step out 3. St south from bory the spectrum does not show marings in this crea (Wot bory are makings for a trench). Try bagaing W.U heep 1.8St sample. Just Cone Tower down + more ng 3 Frect. Cat asokalt + harden in the state of the sample of the state of Øqzø Q9 37-Cut asphalt + handanger to Stebys. Sheet 1 of 2Storr sample collection @ 58335 Sample @5' was moderating successful. Continue w/ \$=6.5-88E sample. 1015 1020

At 14.8 87695. @ SB-ØSB. Prepare to growt SB-ØSA JSB-ØSB. 1107 Grouding Of 5B-057 + 5B-058 is an plate. Dollars stop for lunch. 1260 1230 level in both borings is @ 23 R. bys. Prepare For demote + mob/setup 133Ø AZSB-Ø9. Set up. equipment a doner up. 1400 Break though esphalt & Start hand angerry. 1927 Refusal @ 3.5 Pts of (bould ). Mare location 250 - 03 - 03 touerdown +marching 2592 E. 1430 Ø3110/1, tower up + try again. 1435 1508 Refusel Q 3.5 Ft bys (likely same barlder) W.11 more location 2.5 A west of first attempted location Town down & move my. Touer up & try again. Talked to lead Geo (Bob) + hes and that If this tocation does not clear we will have spectrum clear two 1525 . . more boxes on this area ~ STOPE from when we are how , We will attempt locche en frant lanen tomarrow am. 1600 Test America onsite At 14 ft 5g5@BB-09 Prepare to grouts (62Ø) 165Ø Borcholes growted, (A First wo locations to 3.5FB35) 1740 Collect rusate sample 701736 test America offsite. Cascade Only offsite. Bri Foster offsite 1830 MWH offsite (Carolinet Bob) & Crout estimated/used; SB-DSA 27.8gr / 35gr (3bays Partland, 1/3bz ground, +20guthe) SB-05B 41.7 521 / 45 gen (6625 Bottond, 43 baskert) 1/1 SB-09 4107 gen / 45 and 45 million (130 gen 1420) (3114) 5B-99 4107 gar / 45 gar (66 ago Parland, 1/3 +3501 th sheet ZofZ

Eric T. Vanda Velab EE Avention Duarte CA Shasell 3/11/1 0950hrs - Cascada CINE-85 starts nobilizingover 5B-13 · 10 ded in Nil area of asplatto perton lot. approx 96 ft South of ferre (along Busines ( enterter) and 12 ft from force the parcel & imparced Breakuplatt and clan base metaal 1005hs 2"asplat 5.5" base hand ange allect Eugle SB-13-1 handauser to 5 Dishrs continuous sample for lituloge allect sample '88-13-7 and Dep-02 7:-10 1115brs Continuous sample for lahology 10-13.5 collect sample 3B-13-14 14ters Contino al saiple 14 5- 15. reach 15' Total Saptte 1200m break for lunch 12104 Drellers level from leuch 1250hs - Chean and growt up hole & asphalt patch Surface 131042move to SB-16 at SW Corner of Blog. - chiller uponis me that his pill furtich 132042 and free tylende failed outhering Hecalled the shop cent they say it is not safe to drill sotty one calley line lact to the shop



Date: <u>63/11/11</u>	Report No: Carter - 3
MWPM: Mike Cira	Dav: Friday
Location: Duardz, CA	Weather: Sunny/warm
Project: OF Aviatur Port Ellipse	Temp: high Fo's
Job Number:	Wind: light + boce ze
Contract Number:	Humidity: <u>Lizht</u>

PERSONNEL ON SITE: SB-12 Cascade Only - Conrad Unlicane, Paul Cabos MWH - Caroline Certer. Cascade Bully -EQUIPMENT ON SITE: CME-9895, Support truch, decontraiter.

#### WORK PERFORMED (INCLUDING SAMPLING):

ØG	15 Caser & Caserade Brilling orsite meet W/ Bob (mwil).
\$7.00	Discuss today's agude + adjust His Talaate accordin 6. One
Ø744	Acres resumes dialized on the August for Sec. 1
	clear SB-12.
d830	SB-110 - China Contraction
••-•	The Case with a 12 tebgs an bould ricobble. Thed dilling past
	It for 30 minutes + was not making progress. Pullers remore agerst
	Sit doit is destroyed. Since sample was collected P. Stelling 1 would
	10g @ 10-11 Atbgs reported that there was rig chatter @ 11Abre Barene to
	grout + patch bany.
	SB-12: Locator has been cleared by Speching and
0910	Stat hand an and QCO Mos CME-95 onto location
	Called a house yes B-12. The Immediately en countered rook/trees
Ø955	Build BOBT received opproval to cit through tools, Bric Vardweld hears
l de aner	Sony cleared to Sot bys. Stert onlying SR-17 Orside + with write
1943	At 15 Strays. Preper to any 11 the tree with CSB-16.
100	Bochsle grouted, prepare to de 1000 (08-12)
130	At SB-15, 7 Care at mob to SB-15.
コフル	avours docce of we can adjacent to dwillin logati Attempt to
14	1 of 2 cars mared. A be employed. Thed all sustikessest promong and allow and all sustikessest promong and allow and all sustikessest promong and allow and all sustikessest promong and all s
	for the 2nd Cor @1230. Dalus take I'll have a gar Sheet 1 of 2 est
25\$	Lunch break over. No one have come to car ( that ) Manual is a come
	W of cleard location (away from (ar) Mob no as to 50

73Ø5 Start hand angung location At 5' bas. Start Only. 133Ø 1438 At 14 Pt3 35. Prepare to grout barry & site dependent the day. Bore hole ground + putched w/ asplant. Mobing to 1530 Staging area. Will likely schop @ 5B-16 inthe maning. Conrad + Paul (Carcade Doning) offsite) Carcuaits her lab 27 Boby to scuss to morrow's plans 1600 1810 Centroffsite. \* tot grout est /used SB-12 41.7901 / 45 gul cur 03/11/4) ( St 6 bags Postand SB-15 41.7-gal / 46 gal (6 bags Portland His hear bentonit + 1/3 bag bensoute 4/3 beg bentonik +~35 gri H20) \$ Sheet 2082



Date: $\frac{p_{3/12/11}}{2}$	Report No: Portu-4
MWPM: Mike Cira	Dav: Saturdan
Location: 1700 Business Centr A.	Weather: Ourcest
Project: GET Avic his Project Ellipse	Temp: hish GO's
Job Number: 1010880.010102	Wind: breczes
Contract Number:	Humidity: law-Modrate

PERSONNEL ON SITE: MWM - Coroline Cater + Bob Cascade - Conrad Villications, Paul Cebos, (SB-16) Cascade - Robert (SB-16) EQUIPMENT ON SITE: CME-95, Decontrailer & support much LAR-, Decontrations support much

WORK PERFORMED (INCLUDING SAMPLING): \$730 Cartor onsite. Cascade Dulling prepares for day by Snirhingup teste resterday's activities (famply decon trailer), Casrede already has badges # Hos min. Cartor gete are from Boblemwild waits for bedge. #750 Cartor offsite Since Becca not returning alls. \$840 Centre bach on site + Calls terrance instead. \$81\$ Cartor receives badge & goesto Cascade crew. Cascade sets up over SB-Z16 ps15 Stat hand angeny. 0840 At 5 AB35. Collect PID mersinnent + check cleared hole. 6915 6920 Stat dilling SB-16 05 112/11 B#1015 At 15 ftbgs. Preparto grout # Borchole ground. Prepare to demob from location + prepare for site department 1935 Cartor prepares to log next borry . waits for LAR crew to set up 1045 thand anger. 1145 At 2 forge we get 1211, Star onmy SB-18 At 13.5 FB395 Sampler could not advance past 13.5 PB356. 1245 Redusa 1 @ 13.5 Febre Prepare for growing whether Sit. Conrado Pts the Growing complete Prepare for denote From Way Sheet 1 of 12 (Casude Onhy) 1325 1338 Case realized that sample from SB-18-C 88tbys was Sheet of 12 93/12/ 4 medvertently thrown out, PPD = D.Gppm. Samples from 1/1+ 13.0 Re orisin available for submidsel.

Rebert of his one affrite Contration would for Test America 1500 caring spot checks only locators for subac completion, spot checks Dow area. Carter depets site for day. Robers wants for course to drop 153ø Samples a eastra Sample Bostles. & Crousespiecd SB-16 41.7 gal / 4 Ugar (6 bags Portland) SB-18 41.7gal / 45gal. 13 bag bendonte stw35 gal Hro, (Severessints (Stags Portland 1/3 bay bendonik +~35 gel HzO) NT \$3/12/14 2082 ect



Date:	Report No: Carton -5
MWPM: Mine	Dav: Mondom
Location: SB-19	Weather: Summer / wern
Project:	Temp: won
Job Number: 10/0880 . 010) 02	Wind: Lizhtbreeze
Contract Number:	Humidity: 1.321+ tomodrate

PERSONNEL ON SITE: MWM - Coroline Cert Cascade Dulling - Jeffery Johnson, Kevin Rogers, Conrad Villicana

**EQUIPMENT ON SITE:** 

Sonic Rig, water (casing truch, trailie) + Support tuck

WORK PERFORMED (INCLUDING SAMPLING):

0645 Centronsite & waits for drailing.

47ap Cascade porting assite. Discuss todays agenda + udjust that topics according be Avnetia representative (Alice Estato ina ]) onsite to give us badges Ø73ø I quid overview of facilities. Out 1/11

\$745 Recor location + discuss Setup. Prepar to mob + petupon 58-19. ø83ø "Tones up.

8845

Start and strangery, Immedicity encountered Fil. Ø91Ø

Ø920 Barry cleared to \$82 bys. Ensinched duther to go slowly to 15 ft3ge

Stat Anling. B-19 W/ 8" & dowe casing + 6" & corebornel. Ø930

[ ΦΦΦ Drive rod broke @ 15 Abgs, Recourd rods & replaced section ot on verod, 1115

Dollar was trying to cleanous the diversing withe coreband, When core barrel got stuck tattempts to get it unstuck caused the diversed to break @ threads. Jeffery calls office to determine best

meduod to reconnect to dive rod (core some 1). Jedny the will have de la the land the vendovelde the appres 1120 approach (no hotwork penit w/n mut) , but recommends I to 14 to Robert I Lish of GE Aration to get their approved before we prospectly repair attempt: Caked & Paged Robert Kepfert.

No response from Robert. Cahed lise Sampento tell he about welding & ash 1140 for approval. She will call me back in a few minutes

through 163\$ today. If we need another one fiftin we will need to repeat Lisa Samper on site & issues 1155 procedures PID=0. Stars welding beads onto threads to help bind the drive rod sections. Attanpt to reconnectorive rod w7 and head. 1203 1298 Success Resume on Ming. B" & drive casings peleonedout. Ready to advance core barrel from 1210 1234 20-25 Febgs. Dri Nors take hindy break. Ca hed Test American Irvine to a vancy @ 14:30pm pickup. Resume diffing Sprilles take theak Test America ansite prilles take theak Test America offsite of sample. Dar St drive casings @ 38 Ptbgs. + benable to be advanced deeper. Coreborred dod recour cores from 38-391 34-40°. Tracy (Opsinger) Suggessed that Arms fores tradware borefole w/ & incl. drive casing thise 100 hand to this abesit woh, this may be refused on a boulder. 1245 11411, 1540 11411, 1540 1645 4" core barred. It this avesn't work, this may be refueal on a boulder. 1650 (705 Advancement of 6" dive casing unencoessful. Shout down for day to detimine toes if we should abandon + Stepout or just callit a borng @ SB-19. Drilles shut down for lie day. 1715 Collect sample @ 39.5 Arsys. Soil core is still warm, may bias Vac pesu lt 1730 Drives offsite. Castr talks to Vandervelde for end-of-day report & to detunne what to do tonomic. 1800 what to do tomorow. 1815 Car off sur W/C 03/14

 $\chi^{(V)} =$ 

.



Date: \$\Box_3/15/11
MWPM: Mike Cira
Location: Duarde, CA
Project: 0-E Aurahon - Duarte
Job Number:
Contract Number:

Report No: _Cara-6
Day: Tuesday
Weather: Sum Than
Temp: Cool winn
Wind: Urght breeze
Humidity: light tomodrate

PERSONNEL ON SITE: Constitue Cortor Conwrij Jefky Johnson, Kewin Roges, Converd Villicana.

EQUIPMENT ON SITE:

Source drik my, water-tender truck, support truck, personal vehicle.

WORK PERFORMED (INCLUDING SAMPLING): \$700 MWH+ Cascade onsite. Discuss today's agendat adjust Hirs topies accordingly. Concalls lise to get budges. (wisitor) \$73\$ Prepare to back RH bony WI coment sentince grout (CSH. 108 gations needed). 0800 Added grout to borg o pull casings 0830 N120 gallons of grout added + level is & N5 Abys. One more batch made to make good monochole. wait 30 minutes to see if growt level drops Ø840 Ø914 Grant level dodnos dop, Add 7 bags of chips shydrate. Add I pag of portland on top thydrate. Complete @ surface W/ asphalt patch. Tower down "Stight prepare to decon drive casings \$930 50-19 patched, Decon pad setup + ready for dwe casings. 1\$25 10 30 Und break. Erik Vandervelde Called to say 11¢Ø 1130 resum work. Are pare for final site departure 125 Sheet of Z Carter & Villicana collect composite soil & water samples for 1215

there are a total of 26 amos: 23-501 1 grout 2 decon water Composite soil sample came from 6 drum 5. Composite water sample came from both weter dring. 1245 Cascade dillin offsike. Cater weeks wy Robert to inform him that we are done. 1300 Cartor offsite & Leads to Arzidia office to drop Samples off 7 Enc Vandvelde Lab courser won't 1350 be in one a timbi 4pm. 1415 Cartor transfor custody of Samplesto Erre Vandevelde @Aread 1415 Cartor departs Areadra office hour lest /used! SB-19 108 gallons /135 gallons (18bage Partland + 7 bags of Sentonite clips + 1000 partland water + 1 bag of concrete (on top of chips) toppovide base for asphelt above 02/151 West 2087

# MWH HEALTH HAZARD ASSESSMENT CALIBRATION SHEET

CLIENT: <u>GE Aviation</u> PROJECT SITE: <u>GE Aviation (Duarte)</u>

COMMENTS:\_\_\_\_\_

DATE /	INSTRUMENT	SEDIAL OD					
TIME /	(MAKE AND MODEL)	D NUMBER	CALIBRATION	CONCEN-	INSTRUMENT	COMMENTS	OK?
INITIALS		ID NOMBER	GAS OR	TRATION	READING	}	ſ
	-		SUBSTANCE	OR			
drikaly of -				VALUE			
psimili cure	Mani Kaz 3000	R11309	Isobut yeare	103500	49.1	herde cart as	1 100
dv		6	4		101.8		100
03/04/11 Cut	Multi kae Plus	\$95-523267	Isub there	100000	99.8	Colhand Ste	Ves
			Hydregon Sulfide	ZSion	25		1
<u>├─</u> ─- <u>-</u>			ĊŎ	SOAPM	50		
├ <u></u>		<u> </u>	mechane (142)	50%	50%		- 1 -
Dal Jotor		<u> </u>	02.	20.9%	20,9%		
OSTIGIL OF	Mini Lae Space	K8900	Isobutylen	100 cm 228	100 pan	Celibratedon 3/8/0	Ves
0511.011 000	Mini Kre 3porp	R113099	Is obudylene	100ppm=2	20.300	Calibanen	1
OZILAL DATS			V	V	100.7 com	Cat over	Y<3
Comprin Cure	Mulli Kaerins	095-523262	- Isophtyrene	10052ppm	96.0	Necksverslips	W0
			Hyphogn S. Kil	-25ppm-	25	Callbrahn,	Yes
			CO	SDopon	50	52621	
├── <u></u>			weithane (Lot)	50%	50%		$\top$
	¥	- <u>+</u>	02	20.9%	20.9%		1
1121,1 \$755	¥	¥	- Icobinhyleve	100gm=22	991	GOON	Yes
43/11/1 (mz	Mini Kac SODO	K11309	-FSob-typene	100 # Zam	117.4	needscalibrate	w
	An i Rin 2 iiiii		¥	<u></u>	110 108.5 1XD.	1 mod	Yes
	IVIn: KEE SOPP	K8690	Isobe yene	(DOTZppn	195.5	needscallan	NO
.> <b>∨</b>	$\checkmark$	J	J	4	94.8	good	ves



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## MWH HEALTH HAZARD ASSESSMENT CALIBRATION SHEET

CLIENT:	GE Aviation	_ PROJECT	SITE: 6-E	Aviztia	(Duald)	)	
COMMENTS	S: PID not necessary	dury wet a	2 Joander new	ton \$2/1	5111		
DATE / TIME / INITIALS	43/16/ به INSTRUMENT (MAKE AND MODEL)	SERIAL OR ID NUMBER	CALIBRATION GAS OR SUBSTANCE	CONCEN- TRATION OR	INSTRUMENT READING	COMMENTS	OK?
arc 6758	Malti Ree Plusy	Ø95-523267	(Dutsobuthlere	(WIZZppm	88.4 ppm	Needschlach	NO
			-Hypnogn Sathia CO	SDOPPM	SOppm		ok Dh
			Nethane([t])	20.9%	<u>53%</u> 20.9%		oh
CIRLIN 0740	Muni Ree 3909	R 11349	Frohuhylere Frohuhylere	100±Zpm 100±Zpm	100 ppm 108.5	4 vecel scewba	Xes mNs
B3112/11 JAVES	Minikae 3ppp	R 8600	Treibertyrene	1005 Zppm 1.005 Zppm	101.2 116.5	good needs (subaba	No
↓ \$3/14/11 Ewe	Minikae Zoind	R 11309	In hadren	$\downarrow$ $100 \pm Z_{POM}$	100.6	GOOD.	64C
\$31#1/11 \$\$15	Min. Rac 3000	J		4	101.8	good:	02.
			d3/15	111			
		<u>ew</u>					



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Page Z of 2

## TAILGATE SAFETY MEETING FORM

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Date: <u>Mor 9, 2011</u> Time: <u>07:35</u> Job Number:
Client: <u>GEAviction</u>
Site Specific Location: 1700 Business Center Dr. Duarte, CA
Safety Topics Presented
Protective Clothing/Equipment: Level D
Chemical Hazards: Potential Vocis, Svocis, PCB's, Melals
Physical Hazards: Drilling equip, bured utilities, noise
Special Equipment: <u>PID'S outdoors</u> , Multigas for outdoors
Other (IIPP): hearing protection
Emergency Procedures: Hospital route - IF 911= stand on Corner of Busiess center dry
Hospital: Phone: Ambulance Phone: <i>i Highland</i> ,
Hospital Address and Route:
ATTENDEES
NAME PRINTED SIGNATURE
Staster 1
Caroline Carter Canelon Cator
Mudria ( )alers (MUdresse
Robert Suffle
000 03 km / 10
Meeting Conducted By: Bob Robitaille Tark
Name Printed Signature
On-Site Safety Officer: Bold ditaille 57 Project Manager:
Appendix C-2

Appendix C-2

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	THE DEPART OF MANY
 V A DUTIN	

Date: <u>10 March 2011</u> Time: <u>0645</u> Job N	lumber:
Client: <u>GE Aviation</u>	
Site Specific Location: <u>Dearte</u> , CA	
Safety Topics Presented	
Protective Clothing/Equipment: Level D	
Chemical Hazards: Potential VOC; SVOC's, PCB's, Me	tals
Physical Hazards: <u>Slip top falls drilling - rotational o</u>	verhead
Special Equipment: <u>PID</u> , 4-gas	
Other (IIPP): <u>Erzo</u> , house keeping	
Emergency Procedures:	<u></u>
Hospital: Phone: Am	bulance Phone:
Hospital Address and Route:	
ATTENDEES <u>NAME PRINTED</u> <u>brifosfer</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Caroline Cirte</u> <u>Paul Cobose</u> <u>Paul Cobose</u> <u>Paul</u>	Signature Signature
On-Site Safety Officer: <u>BR</u> Project Mana	ager:

Appendix C-2

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MONTGOMERY WATSON HARZA

IN

# TAILGATE SAFETY MEETING FORM

Date: <u>03/11/11</u> Time: <u>07700</u> Job Number: <u>1010.880</u>
Client: <u>G.E. Aviation - Project Ellipse</u>
Site Specific Location: <u>Ductor</u> CA
Safety Topics Presented
Protective Clothing/Equipment: Level D w/ hearing protection as needed
Chemical Hazards: Potential VOVE's, SVOC's, PCB's, Metals
Physical Hazards: STF, Slippery floors, bloors, pinch points, beat stress, bee's
Special Equipment:
Other (IIPP): House keeping - grout or asphalt flush (no trip hazards!)
Emergency Procedures: Evac area east of man parking lot
Hospital: <u>911</u> Phone: <u>911</u> Ambulance Phone: <u>911</u>
Hospital Address and Route: HASP on dash w/ Map
ATTENDEES (OINEMBRY Cally NAME PRINTED SIGNATURE
Caroline Carton Caroline Carto
Coving villa
EDDIE Renfree Chlosty
Paul Cobos ProCham
Robert Suffle Rolling
Steve Vilopman Deling Vilopman
TELIPE MENDEZ TMZZ.
Meeting Conducted By: BobRobile: Signature Signature
fb
On-Site Safety Officer: <u>Bob Robitailk</u> Project Manager: <u>Ene Vander Veldo</u>

Appendix C-2

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MONTGOMERY WATSON HARZA

Becca - 626.359 - 9211 × 1369 626.224 - 4013 Cell Standard Health and Safety Plan						
• TAILGATE SAFETY MEETING FORM						
Date: 12 Mar 2011 Time: 0650 Job Number: 1010880						
lient: <u>G.E. Aviation</u>						
ite Specific Location: 1700 Business Ctr. Dr., Drarte, CA						
afety Topics Presented						
rotective Clothing/Equipment: Level D w/ hearing protection						
Chemical Hazards: Bossibk VOC's, SVOC's, PCB's, metals						
hysical Hazards: Drill rigs, hand augers						
pecial Equipment:						
Other (IIPP):						
Emergency Procedures: EVAL area is east parting lots. Contrat G.E. HSE if emergency						
Iospital: <u>9//</u> Phone: <u>9//</u> Ambulance Phone: <u>9//</u>	-					
Iospital Address and Route: HASP on dash has map ATTENDEES						
CONERT VILLICA	×					
Paul Cobis Abert Sifle						
Eddre Kertroe Editale						
Coroline Cart Cardine Cart						
Cure \$3/15/14						
Meeting Conducted By: B.Rob. Taille Name Printed Signature						
On-Site Safety Officer: B. Kobile: Ile Project Manager: Eric Vonder Velde						

MWH MONTGOMERY WATSON HARZA

Appendix C-2

# TAILGATE SAFETY MEETING FORM

Date: $\frac{\partial 3}{\partial 14}$ Time: $\frac{\partial 7}{\partial 10}$ Job Number: $\underline{1010890.010102}$
Client: at Avinha
Site Specific Location: 1700 & Business Center Drive, Duardy, CA 91010
Safety Topics Presented
Protective Clothing/Equipment: <u>Safehi vestas glasses</u> , hord Latt carplugs/mutts
Chemical Hazards: Solvent & Waster of Subrank (VOLS, SUDLS, & PCB)
Physical Hazards: <u>pruch points, Norse, traffre, trip i slips, falls, bees (potential</u> 1. Phys. bunch ut lities, vehicle traffre Special Equipment: <u>Atra weld in equipment</u>
Other (IIPP):
Stowah. Call #1911 from land live onone (it all will get CHP) Emergency Procedures: <u>Evacuate to emergency encludion or ain Caster perhy</u> lot
Hospital: Method 31 Phone: 626-445-4444 Ambulance Phone:
Hospital Address and Route: 300 Hundry ton On Brandon, CA- See Map.
ATTENDEES
NAME PRINTED Jeffery Johnson Kein Figures GANNO VILLE
CUSE 03/19/
Meeting Conducted By: <u>Caroline Caroline Carolin</u>
On-Site Safety Officer: Cooling Grow Project Manager: Mike

MONTGOMERY WATSON HARZA

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Appendix C-2

- Notel - da da - rear i de anne					
Date: $(\varphi S / S / D)$ Inte: $(\varphi + \varphi \varphi)$ Job Number: $(\varphi + \varphi \otimes \varphi)$					
Client: U-E Avizin					
Site Specific Location: 1700 Business Center Dr., Duarte, CA 91010					
Safety Topics Presented					
Protective Clothing/Equipment: Safehjvers, Safehy flasses, co-plugs, face sheld,					
Chemical Hazards: VOC, SVCC, PCB, metals					
Physical Hazards: Sine tops, falts, dust (comment/butonk), tifting, sun, novie, vehicle to the, puch points, splach ha zad bees					
Special Equipment:					
Other (IIPP): None					
Emergency Procedures: Stopwar Can 91 Fron land line phone (of cell, willight CHP). If necessary, evacuate to environg evacuation accouncesting Hospital: Arzadre Phone: Phone: 626-445-4441 Ambulance Phone: percepted					
Hospital Address and Route: (seemap) 300 west thin hington Dr.					
ATTENDEES					
NAME PRINTED Kevin Rogens DNMI VIIIII					
Jeffrey John Stor Stor Shin					
CANE PSIE					
Meeting Conducted By: Cordine Corre Caroline Caroline Conternation Signature					
On-Site Safety Officer: Coroline Care Project Manager: Mike Cire					

TAIL GATE SAFETY MEETING FORM

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Appendix C-2

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MONTGOMERY WATSON HARZA

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 [ $\mu$ g/L]). None of the associated samples indicated detections of methylene chloride, therefore no gualifiers 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  $\mu$ g/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		
<ul> <li>ADDITIONAL APPROVAL CONDITIONS:</li> <li>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.</li> <li>Ensure the boring/exploration hole is backfilled within 24 hours of boring construction.</li> <li>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.</li> <li>Ensure soil borings are sealed per California Well Standards 74-90 <ul> <li>Cement grout mix ratio of 5-6 gallons of water per 94-pound bag of Portland cement.</li> <li>Up to 6% of Bentonite may be added to the cement-based mix.</li> <li>No hydrated Bentonite chips</li> </ul> </li> <li>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.</li> </ul>							
API	PROVED BY: 21515 \ Canoga (818) 59	Larsen, REH /anowen St. S Park, Ca 913 93-7308	S Ste. 116 303	hid	Ausen 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 markout 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 5 $\mu$ A at 1 meter (33kHz) Dynamic range: 140dB rms/ $\sqrt{Hz}$ Selectivity: 120dB/Hz Depth measurement precision:  $\pm$  3% Locate accuracy:  $\pm$  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 nonconductive 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:























## 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 PAGE 1 OF 1

Catalyst Environmental Solutions

PROJECT NUMBER 270003	DATE STARTED 7/6/18
PROJECT NAME Woodward - Duarte Facility	DATE COMPLETED 7/6/18
DRILLING CONTRACTOR Cascade Drilling	LOCATION Duarte, California
DRILLING METHOD Hollow Stem Auger	BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
Sampling Method Split Spoon	DEPTH TO WATER (ft)N/A
GROUND ELEVATION Approximately 486 ft msl	GROUND WATER ELEVATION N/A
LOGGED BY Justin Campbell	TOTAL DEPTH (ft) 15.5' bgs
CHECKED BY David Blankenhorn	

LITHOLOGIC DESCRIPTION	CONTACT
Image: Construction of the second	0.8 0.8 11.0 12.0 , no odor



PROJECT NUMBER 270003

# BORING NUMBER CSB-2 PAGE 1 OF 1

Catalyst Environmental Solutions

PROJECT NUMBER 270003 PROJECT NAME Woodward - Duarte Facility PROJECT NAME Operation Provide Delivery					DATE STARTED7/5/18	DATE STARTED			
					DATE COMPLETED 7/5/18				
DRIL			R <u>Ca</u>	ascade [	Drilling LOCATION Duarte, California				
DRI	LLING MEI	HOD	HOIIOW &	Stem Au	BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt				
GD			Annro	ovimatel					
				I					
				horn					
PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT			
					Concrente slab with rebar	0.5			
0.0	CSB-2-5	  	SW	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $	GRAVELLY SAND, medium dense, light brown light olive (2.5Y 5/2), medium grained, dry, little cobbles, no odor				
0.0		_	SW		GRAVELLY SAND, medium dense, light yellowish brown (2.5Y 6/2), medium grained, dry, no odor	7.0			
		-			SAND, medium dense, grayish brown (2.5Y 5/2), medium to coarse grained, dry, and cobbles, no odor	_0.0			
		-10-							
		-	C)4/						
0.0			SVV						
	CSB-2-15	-15-							
					Bottom of borehole at 15.5 feet bgs				

BORING LOG WOODWARD\_SB\_1.GPJ 7/24/18



BORING LOG WOODWARD\_SB\_1.GPJ 7/24/18



#### **BORING NUMBER CSB-4** PAGE 1 OF 1

Catalyst Environmental Solutions

PROJECT NUMBER 270003	DATE STARTED 7/5/*	8
PROJECT NAME Woodward - Duarte Facility	DATE COMPLETED 7	/5/18
DRILLING CONTRACTOR Cascade Drilling	LOCATION Duarte, Califo	rnia
DRILLING METHOD Hollow Stem Auger	BACKFILL / SEAL TYPE	Ceme
Sampling Method Split Spoon	DEPTH TO WATER (ft)	N/A
GROUND ELEVATION Approximately 486 ft msl	GROUND WATER ELEV	TION

Cascade Drining	
DRILLING METHOD Hollow Stem Auger	BACKFILL / SEAL TYPE Cement Bentonite Slurry/Asphalt
Sampling Method Split Spoon	DEPTH TO WATER (ft)N/A
GROUND ELEVATION Approximately 486 ft msl	GROUND WATER ELEVATION N/A
LOGGED BY Justin Campbell	TOTAL DEPTH (ft) 15.5' bgs
CHECKED BY David Blankenhorn	COMMENT

PID (ppm)	SAMPLE ID.	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
0.0		  5	SW		Asphalt SAND, medium dense, light brown (2.5Y 5/4), fine to medium grained, dry, some gravel, no odor	6.5
0.0		_	SW		No Recovery SAND, medium dense, light brown (2.5Y 5/4), fine to medium grained, dry, some gravel, no odor	7.0
0.0		_	SW		SAND, dense, light brownish gray (2.5Y 6/2), medium grained, dry, no odor	0.0
0.0	CSB-4-10	-10-	SW		SAND, dense, grayish brown (2.5Y 5/2), fine to medium grained, dry, some gravel, no odor	9.5
0.0			sw	0 0 0 0 0	SAND, medium dense, dark grayish brown (2.5Y 4/2), medium to coarse grained, dry, some gravel, no odor	11.0
0.0	CSB-4-15	—15—	<u></u> SM		SILTY SAND, medium dense, dark grayish brown (2.5Y 4/2), fine grained, dry, some gravel, no	15.0
BORING LOG WOODWARD_SB_1.GPJ 7/24/18					Bottom of borehole at 15.5 feet bgs	



SAND, medium dense, light brown (2.5Y 5/4), medium grained, dry, some gravel, no odor

Bottom of borehole at 15.5 feet bgs

0.0

CSB-5-15

-15

SW

PAGE 1 OF 1

CONTACT DEPTH

0.3

5.0

6.5

8.0

12.5

14.0



BORING LOG WOODWARD\_SB\_1.GPJ 7/24/18

**BORING NUMBER CSB-6** 

PAGE 1 OF 1

Catalyst Environmental Solutions

# Appendix E

# Laboratory Analytical Reports







9765 Eton Avenue Chatsworth California 91311 Tel: (818) 998-5547 Fax: (818) 998-7258

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,

A

Viorel Vasile Operations Manager



Client: Project No: Project Name:	Catalyst Environmen NA Woodward - Duarte I	tal Solutions I	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18			
Sample ID		Laboratory ID	Matrix	ТАТ	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
<u>8260B/5035 +C</u>	DXY+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

<u>8270C</u>

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Viorel Vasile Operations Manager



Client: Project No: Project Name:	Catalyst Environmenta NA Woodward - Duarte II	al Solutions	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18			
Sample ID		Laboratory ID	Matrix	ТАТ	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 Le	ess 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

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Viorel Vasile Operations Manager



Client: Project No: Project Name:	Catalyst Environmen NA Woodward - Duarte I	tal Solutions I	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18			
Sample ID		Laboratory ID	Matrix	ТАТ	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 801	<u>5M</u>				
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

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Viorel Vasile Operations Manager



Client: Project No: Project Name:	Catalyst Environment NA Woodward - Duarte I	tal Solutions I	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18			
Sample ID		Laboratory ID	Matrix	ТАТ	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

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Viorel Vasile Operations Manager



Client: Project No:	Catalyst Enviro	onmental Solutior	AA Project No: A967145 Date Received: 07/06/18			
Project Name:	Woodward - D	uarte II		Date Reported: 07/23/18		
Method:	Semivolatile C	organics by GC/M	S		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 827	<u>′0C)</u>					
3,3'-Dichloroben	zidine	<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)anthrac	ene	<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)fluorant	hene	<0.10	<0.10	<0.10	<0.10	0.10
Benzo(g,h,i)pery	lene	<0.10	<0.10	<0.10	<0.10	0.10
Benzoic acid		<1.0	<1.0	<1.0	<1.0	1.0
Benzo(k)fluorant	hene	<0.10	<0.10	<0.10	<0.10	0.10
Benzyl alcohol		<0.10	<0.10	<0.10	<0.10	0.10
4-Bromophenyl p	ohenyl ether	<0.10	<0.10	<0.10	<0.10	0.10
Butyl benzyl phth	nalate	<0.50	<0.50	<0.50	<0.50	0.50
4-Chloro-3-meth	ylphenol	<0.20	<0.20	<0.20	<0.20	0.20
4-Chloroaniline		<0.40	<0.40	<0.40	<0.40	0.40
Bis(2-chloroetho	xy)methane	<0.10	<0.10	<0.10	<0.10	0.10
Bis(2-chloroethyl	l)ether	<0.10	<0.10	<0.10	<0.10	0.10
Bis(2-chloroisop	ropyl)ether	<0.10	<0.10	<0.10	<0.10	0.10
2-Chloronaphtha	llene	<0.10	<0.10	<0.10	<0.10	0.10
2-Chlorophenol		<0.10	<0.10	<0.10	<0.10	0.10
4-Chlorophenyl p	ohenyl 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)anth	nracene	<0.10	<0.10	<0.10	<0.10	0.10
Dibenzofuran		<0.10	<0.10	<0.10	<0.10	0.10

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Viorel Vasile Operations Manager



Client: Project No:	Catalyst Envir	onmental Solutior	IS		AA Project No: A967145		
Project Name:	Woodward - D	)uarte II			Date Reporte	d: 07/23/18	
Method:	Semivolatile C	Drganics by GC/M	S		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		
<b>Dilution Factor:</b>		1	1	1	1	MRL	
8270C (EPA 827	<u>70C)</u> (continue	ed)					
Di-n-butyl phthal	ate	<2.0	<2.0	<2.0	<2.0	2.0	
1,2-Dichlorobenz	zene	<0.10	<0.10	<0.10	<0.10	0.10	
1,3-Dichlorobenz	zene	<0.10	<0.10	<0.10	<0.10	0.10	
1,4-Dichlorobenz	zene	<0.10	<0.10	<0.10	<0.10	0.10	
2,4-Dichloropher	lor	<0.10	<0.10	<0.10	<0.10	0.10	
Diethyl phthalate	;	<0.80	<0.80	<0.80	<0.80	0.80	
2,4-Dimethylphe	nol	<0.10	<0.10	<0.10	<0.10	0.10	
Dimethyl phthala	ite	<0.20	<0.20	<0.20	<0.20	0.20	
4,6-Dinitro-2-met	thylphenol	<0.20	<0.20	<0.20	<0.20	0.20	
2,4-Dinitropheno		<0.40	<0.40	<0.40	<0.40	0.40	
2,6-Dinitrotoluen	е	<0.10	<0.10	<0.10	<0.10	0.10	
2,4-Dinitrotoluen	е	<0.10	<0.10	<0.10	<0.10	0.10	
Di-n-octyl phthala	ate	<0.10	<0.10	<0.10	<0.10	0.10	
1,2-Diphenylhyd	razine	<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	
Hexachlorobenz	ene	<0.10	<0.10	<0.10	<0.10	0.10	
Hexachlorobutac	liene	<0.10	<0.10	<0.10	<0.10	0.10	
Hexachlorocyclo	pentadiene	<0.10	<0.10	<0.10	<0.10	0.10	
Hexachloroethar	ne	<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-Methylnaphtha	llene	<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	

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Viorel Vasile Operations Manager



Client: Project No: Project Name: Method:	Catalyst Envi NA Woodward - I Semivolatile	ronmental Solutior Duarte II Organics by GC/M	ıs S		AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18 Units: mg/kg		
Date Sampled: Date Prepared: Date Analyzed:		07/05/18 07/09/18 07/10/18	07/05/18 07/09/18 07/09/18	07/05/18 07/09/18 07/10/18	07/05/18 07/09/18 07/10/18		
AA ID No:		8G06009-01	8G06009-02	8G06009-03	8G06009-04		
<b>Client ID No:</b>		CSB3-6	CSB3-15	CSB4-10	CSB4-15		
Matrix:		Soil	Soil	Soil	Soil		
Dilution Factor:		1	1	1	1	MRL	
8270C (EPA 827	<u>70C)</u> (continu	ied)					
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-Nitrosodimeth	ylamine	<0.10	<0.10	<0.10	<0.10	0.10	
N-Nitrosodiphen	ylamine	<0.10	<0.10	<0.10	<0.10	0.10	
N-Nitrosodi-n-pro	opylamine	<0.10	<0.10	<0.10	<0.10	0.10	
Pentachloropher	lor	<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-Trichlorobe	enzene	<0.10	<0.10	<0.10	<0.10	0.10	
2,4,5-Trichloroph	nenol	<0.20	<0.20	<0.20	<0.20	0.20	
2,4,6-Trichloroph	nenol	<0.20	<0.20	<0.20	<0.20	0.20	
<u>Surrogates</u>						%REC Limits	
2-Fluorobipheny	I	77%	75%	79%	80%	43-145	
2-Fluorophenol		57%	62%	58%	66%	21-143	
Nitrobenzene-d5	5	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-Tribromopl	henol	60%	78%	71%	67%	10-150	

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Client:	Catalyst Enviro	nmental Solutior	AA Project No: A967145			
Project No:	NA		<b>Date Received:</b> 07/06/18 <b>Date Reported:</b> 07/23/18			
Project Name:	Woodward - Du	uarte II				
Method:	Semivolatile Or	rganics by GC/M	S		Ur	nits: 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 827	<u>′0C)</u>					
3,3'-Dichloroben	zidine	<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)anthrac	ene	<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)fluorant	hene	<0.10	<0.10	<0.20	<0.10	0.10
Benzo(g,h,i)pery	lene	<0.10	<0.10	<0.20	<0.10	0.10
Benzoic acid		<1.0	<1.0	<2.0	<1.0	1.0
Benzo(k)fluorant	hene	<0.10	<0.10	<0.20	<0.10	0.10
Benzyl alcohol		<0.10	<0.10	<0.20	<0.10	0.10
4-Bromophenyl p	ohenyl ether	<0.10	<0.10	<0.20	<0.10	0.10
Butyl benzyl phth	nalate	<0.50	<0.50	<1.0	<0.50	0.50
4-Chloro-3-meth	ylphenol	<0.20	<0.20	<0.40	<0.20	0.20
4-Chloroaniline		<0.40	<0.40	<0.80	<0.40	0.40
Bis(2-chloroetho	xy)methane	<0.10	<0.10	<0.20	<0.10	0.10
Bis(2-chloroethy	l)ether	<0.10	<0.10	<0.20	<0.10	0.10
Bis(2-chloroisop	ropyl)ether	<0.10	<0.10	<0.20	<0.10	0.10
2-Chloronaphtha	lene	<0.10	<0.10	<0.20	<0.10	0.10
2-Chlorophenol		<0.10	<0.10	<0.20	<0.10	0.10
4-Chlorophenyl p	ohenyl 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)anth	nracene	<0.10	<0.10	<0.20	<0.10	0.10
Dibenzofuran		<0.10	<0.10	<0.20	<0.10	0.10

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Client:	Catalyst Enviro	onmental Solutior	AA Project No: A967145			
Project No:	NA		Date Received: 07/06/18 Date Reported: 07/23/18			
Project Name:	Woodward - D	uarte II				
Method:	Semivolatile O	rganics by GC/M	S		Ur	nits: 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 827	<u>70C)</u> (continue	ed)				
Di-n-butyl phthal	ate	<2.0	<2.0	<4.0	<2.0	2.0
1,2-Dichlorobenz	zene	<0.10	<0.10	<0.20	<0.10	0.10
1,3-Dichlorobenz	zene	<0.10	<0.10	<0.20	<0.10	0.10
1,4-Dichlorobenz	zene	<0.10	<0.10	<0.20	<0.10	0.10
2,4-Dichloropher	lor	<0.10	<0.10	<0.20	<0.10	0.10
Diethyl phthalate	•	<0.80	<0.80	<1.6	<0.80	0.80
2,4-Dimethylphe	nol	<0.10	<0.10	<0.20	<0.10	0.10
Dimethyl phthala	ite	<0.20	<0.20	<0.40	<0.20	0.20
4,6-Dinitro-2-me	thylphenol	<0.20	<0.20	<0.40	<0.20	0.20
2,4-Dinitropheno		<0.40	<0.40	<0.80	<0.40	0.40
2,6-Dinitrotoluen	е	<0.10	<0.10	<0.20	<0.10	0.10
2,4-Dinitrotoluen	е	<0.10	<0.10	<0.20	<0.10	0.10
Di-n-octyl phthal	ate	<0.10	<0.10	<0.20	<0.10	0.10
1,2-Diphenylhyd	razine	<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
Hexachlorobenz	ene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachlorobutad	liene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachlorocyclo	pentadiene	<0.10	<0.10	<0.20	<0.10	0.10
Hexachloroethar	ne	<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-Methylnaphtha	llene	<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

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Viorel Vasile Operations Manager



Client: Project No: Project Name:	Catalyst Envi NA Woodward - I	ronmental Solutior	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18				
Method:	Semivolatile	Organics by GC/M	IS		Units: mg/kg		
Date Sampled: Date Prepared: Date Analyzed: AA ID No: Client ID No: Matrix:		07/05/18 07/09/18 07/10/18 8G06009-05 CSB2-5 Soil	07/05/18 07/09/18 07/10/18 8G06009-06 CSB2-15 Soil	07/06/18 07/09/18 07/09/18 8G06009-07 CSB5-5 Soil	07/06/18 07/09/18 07/10/18 8G06009-08 CSB5-15 Soil		
Dilution Factor				Z		MRL	
8270C (EPA 82)	<u>70C)</u> (continu	ied)					
Naphthalene 4-Nitroaniline 3-Nitroaniline 2-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodiphen N-Nitrosodiphen N-Nitrosodiphen Pentachloropher Phenanthrene Phenol Pyrene 1,2,4-Trichloroph 2,4,6-Trichloroph	ylamine ylamine opylamine nol enzene nenol nenol	<0.10 <0.50 <0.40 <0.10 <0.20 <0.20 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.20 <0.20 <0.20	<0.10 <0.50 <0.40 <0.10 <0.20 <0.20 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.20 <0.20 <0.20	<0.20 <1.0 <0.80 <0.20 <0.20 <0.40 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20	<0.10 <0.50 <0.40 <0.10 <0.20 <0.20 <0.20 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.20 <0.20 <0.20	0.10 0.50 0.40 0.10 0.20 0.20 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	
Surrogates						%RFC   imits	
2-Fluorobipheny 2-Fluorophenol Nitrobenzene-d5 Phenol-d6	5	80% 65% 72% 70%	77% 63% 65% 66%	90% 60% 69% 69% 75%	68% 49% 55% 52% 61%	43-145 21-143 35-142 10-135 22-148	
2,4,6-Tribromop	henol	69%	66%	64%	55%	10-150	

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Client:	Catalyst Enviro	nmental Solutior	AA Project No: A967145			
Project No:	NA		Date Received: 07/06/18 Date Reported: 07/23/18			
Project Name:	Woodward - Du	iarte II				
Method:	Semivolatile Or	ganics by GC/M	S		Units	<b>s:</b> 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 827	<u>′0C)</u>					
3,3'-Dichloroben	zidine	<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)anthrac	ene	<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)fluorant	hene	<0.20	<0.20	<0.10	<0.10	0.10
Benzo(g,h,i)pery	lene	<0.20	<0.20	<0.10	<0.10	0.10
Benzoic acid		<2.0	<2.0	<1.0	<1.0	1.0
Benzo(k)fluorant	hene	<0.20	<0.20	<0.10	<0.10	0.10
Benzyl alcohol		<0.20	<0.20	<0.10	<0.10	0.10
4-Bromophenyl p	henyl ether	<0.20	<0.20	<0.10	<0.10	0.10
Butyl benzyl phth	nalate	<1.0	<1.0	<0.50	<0.50	0.50
4-Chloro-3-methy	ylphenol	<0.40	<0.40	<0.20	<0.20	0.20
4-Chloroaniline		<0.80	<0.80	<0.40	<0.40	0.40
Bis(2-chloroethoz	xy)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-chloroisopr	opyl)ether	<0.20	<0.20	<0.10	<0.10	0.10
2-Chloronaphtha	lene	<0.20	<0.20	<0.10	<0.10	0.10
2-Chlorophenol		<0.20	<0.20	<0.10	<0.10	0.10
4-Chlorophenyl p	henyl 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)anth	nracene	<0.20	<0.20	<0.10	<0.10	0.10
Dibenzofuran		<0.20	<0.20	<0.10	<0.10	0.10

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Client:	Catalyst Enviro	nmental Solutior	AA Project No: A967145			
Project No:	NA		Date Received: 07/06/18 Date Reported: 07/23/18			
Project Name:	Woodward - Du	uarte II				
Method:	Semivolatile O	rganics by GC/M	IS		Units	s: mg/kg
Date Sampled:		07/06/18	07/06/18	07/06/18	07/06/18	
<b>Date Prepared:</b>		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 827	<u>70C)</u> (continue	d)				
Di-n-butyl phthal	ate	<4.0	<4.0	<2.0	<2.0	2.0
1,2-Dichlorobenz	zene	<0.20	<0.20	<0.10	<0.10	0.10
1,3-Dichlorobenz	zene	<0.20	<0.20	<0.10	<0.10	0.10
1,4-Dichlorobenz	zene	<0.20	<0.20	<0.10	<0.10	0.10
2,4-Dichloropher	lor	<0.20	<0.20	<0.10	<0.10	0.10
Diethyl phthalate	•	<1.6	<1.6	<0.80	<0.80	0.80
2,4-Dimethylphe	nol	<0.20	<0.20	<0.10	<0.10	0.10
Dimethyl phthala	ite	<0.40	<0.40	<0.20	<0.20	0.20
4,6-Dinitro-2-me	thylphenol	<0.40	<0.40	<0.20	<0.20	0.20
2,4-Dinitropheno	)	<0.80	<0.80	<0.40	<0.40	0.40
2,6-Dinitrotoluen	е	<0.20	<0.20	<0.10	<0.10	0.10
2,4-Dinitrotoluen	е	<0.20	<0.20	<0.10	<0.10	0.10
Di-n-octyl phthal	ate	<0.20	<0.20	<0.10	<0.10	0.10
1,2-Diphenylhyd	razine	<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
Hexachlorobenz	ene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachlorobutac	liene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachlorocyclo	pentadiene	<0.20	<0.20	<0.10	<0.10	0.10
Hexachloroethar	ne	<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-Methylnaphtha	llene	<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

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Client:	Catalyst Envi	ronmental Solutior	AA Project No: A967145			
Project No:	NA Woodword		Date Received: 07/00/10			
Mothod:	Somivolatila	Duarte II Organias by CC/M				<b>u.</b> 07/23/10
	Semivolatile	Organics by GC/M	15		Unit	s: 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 82	70C) (continu	ied)				
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-Nitrosodimeth	ylamine	<0.20	<0.20	<0.10	<0.10	0.10
N-Nitrosodiphen	ylamine	<0.20	<0.20	<0.10	<0.10	0.10
N-Nitrosodi-n-pr	opylamine	<0.20	<0.20	<0.10	<0.10	0.10
Pentachloropher	lor	<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-Trichlorobe	enzene	<0.20	<0.20	<0.10	<0.10	0.10
2,4,5-Trichloropl	nenol	< 0.40	<0.40	<0.20	<0.20	0.20
2,4,6-Trichloropl	nenol	<0.40	<0.40	<0.20	<0.20	0.20
<u>Surrogates</u>						%REC Limits
2-Fluorobipheny	1	24% [5]	90%	80%	73%	43-145
2-Fluorophenol		15% [5]	55%	59%	56%	21-143
Nitrobenzene-d5	5	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-Tribromop	henol	11%	15%	67%	55%	10-150

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Client: Project No: Project Name: Method:	Catalyst Enviror NA Woodward - Du Polychlorinated	Catalyst Environmental Solutions NA Noodward - Duarte II Polychlorinated Biphenyls by GC				AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18 Units: ug/kg		
Date Sampled:		07/05/18	07/05/18	07/05/18	07/05/18			
<b>Date Prepared:</b>		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 (EP)	A 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		
Decachlorobiphe	enyl	88%	91%	98%	84%	50-150		
Tetrachloro-meta	a-xylene	84%	75%	86%	70%	50-150		

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Client:	Catalyst Enviro	onmental Solutior	AA Project No: A967145				
Project No:	NA			Date Received: 07/06/18			
Project Name:	Woodward - Du	uarte II			Date Reported: 07/23/18		
Method:	VOCs, OXY &	TPHG by GC/MS	6 EPA 5035		Uni	t <b>s:</b> 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	
<u>8260B/5035 +O</u>	<u> XY+TPHG (EPA</u>	<u>8260B/5035)</u>					
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	
Bromochloromet	hane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Bromodichlorom	ethane	<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 (ME	K)	<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-Butylbenzen	е	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
tert-Butylbenzen	е	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
n-Butylbenzene		<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Carbon Disulfide	1	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Carbon Tetrachle	oride	<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-c	hloropropane	<0.010	<0.010	<0.010	<0.010	0.010	
Dibromochlorom	ethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,2-Dibromoetha	ine (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Dibromomethane	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,4-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,3-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	

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Client:	Catalyst Enviro	nmental Solutior	าร	AA Project No: A967145			
Project No:	NA			Date Received: 07/06/18			
Project Name:	Woodward - Du	uarte II			Date Reported: 07/23/18		
Method:	VOCs, OXY &	TPHG by GC/MS	S EPA 5035		Unit	s: mg/kg	
Date Sampled:		07/05/18	07/05/18	07/05/18	07/05/18		
<b>Date Prepared:</b>		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	
<u>8260B/5035 +O</u>	<u>XY+TPHG (EPA</u>	<u>8260B/5035)</u> (	continued)				
1,2-Dichloroben	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Dichlorodifluoror	methane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,1-Dichloroetha	ine	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,2-Dichloroetha	ine (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
trans-1,2-Dichlor	roethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
cis-1,2-Dichloroe	ethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,1-Dichloroethy	lene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
2,2-Dichloroprop	bane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,3-Dichloroprop	bane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,2-Dichloroprop	bane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
trans-1,3-Dichlor	ropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
1,1-Dichloroprop	oylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
cis-1,3-Dichlorop	propylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Diisopropyl ethe	r (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 E	Ether (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
Gasoline Range (GRO)	Organics	1.0	<0.50	<0.50	<0.50	0.50	
Hexachlorobutad	diene	<0.010	<0.010	<0.010	<0.010	0.010	
2-Hexanone (ME	3K)	<0.050	<0.050	<0.050	<0.050	0.050	
Isopropylbenzen	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	
4-Isopropyltolue	ne	<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 Chlor	ide	<0.050	<0.050	<0.050	<0.050	0.050	
4-Methyl-2-penta	anone (MIBK)	<0.050	<0.050	<0.050	<0.050	0.050	
Naphthalene		<0.010	<0.010	<0.010	<0.010	0.010	
n-Propylbenzene	Э	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	

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Client: Project No: Project Name: Method:	Catalyst Environ NA Woodward - Du VOCs, OXY & <sup>-</sup>	nmental Solutior arte II TPHG by GC/MS	ns S EPA 5035		AA Project N Date Receive Date Reporte Units	o: A967145 d: 07/06/18 d: 07/23/18 s: 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
<u>8260B/5035 +O</u>	<u>XY+TPHG (EPA</u>	<u>8260B/5035)</u> (	continued)			
Styrene		<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1,2-Tetrachle	oroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2,2-Tetrachle	oroethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Tetrachloroethyl	ene (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-Trichlorob	enzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorob	enzene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloroe	thane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1-Trichloroe	thane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichloroethylen	e (TCE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichlorofluorom	ethane (R11)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorop	ropane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloro-1	1,2,2-trifluoroeth	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
ane (R113)		.0.0050	-0.0050	-0.0050	-0.0050	0.0050
1,3,5-1 rimetnylb	enzene	<0.0050	< 0.0050	<0.0050	<0.0050	0.0050
1,2,4-1 rimetnyib	enzene	<0.0050	< 0.0050	<0.0050	<0.0050	0.0050
vinyi chioride		<0.0050	< 0.0050	<0.0050	<0.0050	0.0000
		<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-Bromofluorobe	enzene	110%	118%	108%	112%	70-140
Dibromofluorom	ethane	111%	111%	113%	119%	70-140
Toluene-d8		101%	102%	99%	101%	70-140

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Client: Project No: Project Name:	Catalyst Enviro NA Woodward - Di	onmental Solutior uarte II	าร		AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18			
Method:	VOCs, OXY &	TPHG by GC/MS	S EPA 5035		Uni	<b>ts:</b> mg/kg		
Date Sampled: Date Prepared:		07/05/18 07/09/18	07/05/18 07/09/18	07/06/18 07/09/18	07/06/18 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		
<u>8260B/5035 +O2</u>	XY+TPHG (EPA	<u>8260B/5035)</u>						
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		
Bromochloromet	hane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Bromodichlorom	ethane	<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 (ME	K)	<0.050	<0.050	<0.050	<0.050	0.050		
tert-Butyl alcoho	I (TBA)	<0.020	<0.020	<0.020	<0.020	0.020		
sec-Butylbenzen	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
tert-Butylbenzen	е	<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 Tetrachle	oride	<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-c	hloropropane	<0.010	<0.010	<0.010	<0.010	0.010		
Dibromochlorom	ethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,2-Dibromoetha	ane (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Dibromomethan	e , , ,	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,4-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,3-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		

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Client: Project No:	Catalyst Enviro NA	nmental Solutior	าร		AA Project No: A967145 Date Received: 07/06/18			
Project Name:	Woodward - Du	uarte II			Date Report	ed: 07/23/18		
Method:	VOCs, OXY &	TPHG by GC/M	S EPA 5035		Uni	<b>ts:</b> 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 +O	(Y+TPHG (EPA	<u>8260B/5035)</u> (	continued)					
1,2-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Dichlorodifluoron	nethane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroetha	ne	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,2-Dichloroetha	ne (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
trans-1,2-Dichlor	oethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
cis-1,2-Dichloroe	ethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroethy	lene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
2,2-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,3-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,2-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
trans-1,3-Dichlor	opropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroprop	ylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
cis-1,3-Dichlorop	oropylene	<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 E	ther (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Gasoline Range (GRO)	Organics	<0.50	<0.50	<0.50	<0.50	0.50		
Hexachlorobutad	liene	<0.010	<0.010	<0.010	<0.010	0.010		
2-Hexanone (MB	BK)	<0.050	<0.050	<0.050	<0.050	0.050		
Isopropylbenzen	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
4-Isopropyltoluer	ne	<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 Chlori	ide	<0.050	<0.050	<0.050	<0.050	0.050		
4-Methyl-2-penta	none (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		

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Client: ( Project No: N Project Name: V	Catalyst Enviror NA Woodward - Du	nmental Solution larte II	าร		AA Project N Date Receive Date Reporte	lo: A967145 ed: 07/06/18 ed: 07/23/18
Method:	VOCs, OXY & <sup>-</sup>	TPHG by GC/M	S EPA 5035		Unit	s: mg/kg
Date Sampled: Date Prepared: Date Analyzed: AA ID No: Client ID No: Matrix: Dilution Factor:		07/05/18 07/09/18 07/09/18 8G06009-05 CSB2-5 Soil 1	07/05/18 07/09/18 07/09/18 8G06009-06 CSB2-15 Soil 1	07/06/18 07/09/18 07/09/18 8G06009-07 CSB5-5 Soil 1	07/06/18 07/09/18 07/09/18 8G06009-08 CSB5-15 Soil 1	MRL
8260B/5035 +OX	<u>Y+TPHG (EPA</u>	<u>8260B/5035)</u> (	continued)			
Styrene 1,1,1,2-Tetrachlor 1,1,2,2-Tetrachlor Tetrachloroethyler Toluene	oethane oethane ne (PCE)	<0.0050 <0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0050 <0.0020	0.0050 0.0050 0.0050 0.0050 0.0020
1,2,4-Trichloroben 1,2,3-Trichloroben 1,1,2-Trichloroetha 1,1,1-Trichloroetha	nzene nzene ane ane	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	0.0050 0.0050 0.0050 0.0050 0.0050
Trichloroethylene Trichlorofluoromet 1,2,3-Trichloropro 1,1,2-Trichloro-1,2	(TCE) thane (R11) pane 2,2-trifluoroeth	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	<0.0050 <0.0050 <0.0050 <0.0050	0.0050 0.0050 0.0050 0.0050
ane (RTT3) 1,3,5-Trimethylber 1,2,4-Trimethylber Vinyl chloride o-Xylene m p Xylenos	nzene nzene	<0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0020	<0.0050 <0.0050 <0.0050 <0.0020	0.0050 0.0050 0.0050 0.0020 0.0020
		<b>&lt;</b> 0.0020	<0.0020	<0.0020	<b>\U.UU2U</b>	
Surrogates 4-Bromofluoroben Dibromofluoromet Toluene-d8	zene hane	112% 116% 100%	116% 122% 100%	110% 124% 98%	119% 125% 104%	<u>%REC Limits</u> 70-140 70-140 70-140

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Client:	Catalyst Enviro	nmental Solutior	าร		AA Project No: A967145				
Project No:	NA				Date Received: 07/06/18				
Project Name:	Woodward - Du	uarte II			Date Reported:	07/23/18			
Method:	VOCs, OXY &	TPHG by GC/M	S EPA 5035		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			
<u>8260B/5035 +OX</u>	Y+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			
Bromochlorometh	nane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050			
Bromodichlorome	ethane	<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 (ME	<)	<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	9	<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 Tetrachlo	ride	<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-ch	loropropane	<0.010	<0.010	<0.010	<0.010	0.010			
Dibromochlorome	ethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050			
1,2-Dibromoetha	ne (EDB)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050			
Dibromomethane		<0.0050	<0.0050	<0.0050	<0.0050	0.0050			
1,4-Dichlorobenz	ene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050			
1,3-Dichlorobenz	ene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050			

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Client: Project No:	Catalyst Enviro NA	nmental Solutior	าร		AA Project No: A967145 Date Received: 07/06/18			
Project Name:	Woodward - Du	uarte II			Date Reported:	: A967145 : 07/06/18 : 07/23/18 : mg/kg		
Method:	VOCs, OXY &	TPHG by GC/M	S EPA 5035		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		
<u>8260B/5035 +02</u>	<u>XY+TPHG (EPA</u>	<u>8260B/5035)</u> (	continued)					
1,2-Dichlorobenz	zene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Dichlorodifluoror	methane (R12)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroetha	ine	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,2-Dichloroetha	ine (EDC)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
trans-1,2-Dichlor	roethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
cis-1,2-Dichloroe	ethylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroethy	lene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
2,2-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,3-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,2-Dichloroprop	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
trans-1,3-Dichlor	ropropylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
1,1-Dichloroprop	ylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
cis-1,3-Dichlorop	propylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Diisopropyl ethe	r (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 E	Ether (ETBE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
Gasoline Range (GRO)	Organics	<0.50	<0.50	<0.50	<0.50	0.50		
Hexachlorobutad	diene	<0.010	<0.010	<0.010	<0.010	0.010		
2-Hexanone (ME	3K)	<0.050	<0.050	<0.050	<0.050	0.050		
Isopropylbenzen	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		
4-Isopropyltolue	ne	<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 Chlor	ide	<0.050	<0.050	<0.050	<0.050	0.050		
4-Methyl-2-penta	anone (MIBK)	<0.050	<0.050	<0.050	<0.050	0.050		
Naphthalene		<0.010	<0.010	<0.010	<0.010	0.010		
n-Propylbenzene	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050		

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Client: Ca	talyst Enviro	nmental Solutio	าร		AA Project N	o: A967145
Project No: NA	N Nadword Du	uarta II			Date Receive	d: 07/00/18
Mothod: VC			S EDA 5035			<b>u.</b> 07/23/10
	003, 071 a		5 EI A 3033		Unit	<b>5.</b> 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	<u>8260B/5035)</u> (	continued)			
Styrene		<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1,2-Tetrachloroe	ethane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2,2-Tetrachloroe	ethane	<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-Trichlorobenze	ene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichlorobenze	ene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloroethan	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,1-Trichloroethan	e	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichloroethylene (T	CE)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
Trichlorofluorometha	ane (R11)	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,3-Trichloropropa	ane	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,1,2-Trichloro-1,2,2	2-trifluoroeth	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
ane (R113)						
1,3,5-Trimethylbenz	ene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050
1,2,4-Trimethylbenz	ene	<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-Bromofluorobenze	ene	111%	124%	120%	119%	70-140
Dibromofluorometha	ane	112%	131%	139%	122%	70-140
Toluene-d8		98%	102%	101%	100%	70-140

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Client: Project No: Project Name: Method:	Catalyst Environmental Solu NA Woodward - Duarte II Carbon Chain by GC/FID	tions		AA Project I Date Receiv Date Report Uni	<b>No:</b> A967145 ed: 07/06/18 ed: 07/23/18 ts: 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:	8G06009-0	1 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 C	haracterization 8015M (EPA	<u> 8015M)</u>			
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

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Client: Project No:	Catalyst Environ	mental Solutior	าร		AA Project No: A967145 Date Received: 07/06/18			
Project Name:	Woodward - Dua	arte II			Date Repo	rted: 07/23/18		
Method:	Carbon Chain by	y GC/FID			· Ui	nits: mg/kg		
Date Sampled:		07/05/18	07/05/18	07/06/18	07/06/18			
<b>Date Prepared:</b>		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 C	Characterization	<u>8015M (EPA 8</u>	<u>015M)</u>					
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		

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Client: Project No:	Catalyst Environmental Solu	utions		AA Project   Date Receiv	No: A967145 ed: 07/06/18	
Project Name:	Woodward - Duarte II			Date Report	Project No: A967145 Received: 07/06/18 Reported: 07/23/18 Units: mg/kg 18 18 18 18 18 18 18 18 18 18	
Method:	Carbon Chain by GC/FID			Uni	ts: mg/kg	
Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18		
<b>Date Prepared:</b>	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-(	9 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 C	Characterization 8015M (EP	<u>A 8015M)</u>				
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	

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Viorel Vasile Operations Manager



Client: Project No:	Catalyst Environmental Solution	าร		AA Project No: A967145 Date Received: 07/06/18			
Project Name:	Woodward - Duarte II			Date Report	ed: 07/23/18		
Method:	Total Metals CAM 17			AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18 Units: mg/kg 07/05/18 07/09/18 07/10/18 8G06009-04 CSB4-15 Soil 1 MRL <10 10   2.2 0.50   95 10   <1.0 1.0   <1.0 1.0   <1.0 1.0   <2.2 3.0   <3.0 3.0   <3.0 3.0   <5.0 5.0   8.8 3.0   <0.50 0.50   <1.0 1.0			
Date Sampled:	07/05/18	07/05/18	07/05/18	07/05/18			
<b>Date Prepared:</b>	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 Les	ss Hg 6000/7000 (EPA 6010B/7	000)					
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		

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Viorel Vasile Operations Manager



Client: Project No:	Catalyst Environmental Solution	าร		AA Project No: A967145			
Project Name	Woodward - Duarte II			Date Rep	tt No: A967145 sived: 07/06/18 prted: 07/23/18 Inits: mg/kg 10 0.50 10 1.0 1.0 1.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		
Method:	Total Metals CAM 17			AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18 Units: mg/kg 07/06/18 07/09/18 07/10/18 8G06009-08 CSB5-15 Soil 1 MR <10 10   2.7 0.50   130 10   <1.0 1.0   <1.0 1.0   <1.0 1.0   <1.0 3.0   <5.0 5.0   13 3.0   <0.50 0.50			
Date Sampled:	07/05/18	07/05/18	07/06/18	07/06/18			
<b>Date Prepared:</b>	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 Les	ss Hg 6000/7000 (EPA 6010B/7	<u>'000)</u>					
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	

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Viorel Vasile Operations Manager



Client: Project No:	Catalyst Environmental Solu NA	tions		AA Project Date Recei	No: A967145 ved: 07/06/18
Project Name:	Woodward - Duarte II		Date Repor	rted: 07/23/18	
Method:	Total Metals CAM 17		Ur	nits: mg/kg	
Date Sampled:	07/06/18	07/06/18	07/06/18	07/06/18	
<b>Date Prepared:</b>	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:	8G06009-0	9 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 Les	ss Hg 6000/7000 (EPA 6010	B/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

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Viorel Vasile Operations Manager



Client: Project No: Project Name: Method:	Catalyst Environmental Solutions NA Woodward - Duarte II 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 E	<u>Mercury Total EPA 7470A/7471A (EPA 7471A)</u>									
Mercury	0.044	0.042	0.058	0.094	0.020					

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Viorel Vasile Operations Manager



Client: Project No: Project Name: Method:	Catalyst Environmental Solutions NA Woodward - Duarte II Total Metals CAM 17	S		AA Projec Date Rece Date Repo L	<b>:t No:</b> A967145 <b>ived:</b> 07/06/18 <b>orted:</b> 07/23/18 <b>Jnits:</b> 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 E	<u>PA 7470A/7471A (EPA 7471A)</u>					
Mercury	0.044	0.070	0.026	0.084		0.020

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Viorel Vasile Operations Manager



Client: Project No: Project Name: Method:	Catalyst Environmental Solutions NA Woodward - Duarte II 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:	07/09/18	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 E	<u>PA 7470A/7471A (EPA 7471A)</u>					
Mercury	0.042	0.036	0.030	0.072	0.020	

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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

	F	Reporting		Spike	Source	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result %REC	Limits	RPD	Limit	Notes
Semivolatile Organics by GC/MS ·	Quality C	ontrol							
Batch B8G0925 - EPA 3545 MS									
Blank (B8G0925-BLK1)				Prepare	d & Analyzed: 0 <sup>.</sup>	7/09/18			
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						

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Project Name:	Woodward - Duarte II			Date Reported	<b>d:</b> 07/23/18
Project No:	NA			Date Received	<b>d:</b> 07/06/18
Client:	Catalyst Environmental So	olutions		AA Project No	<b>b:</b> A967145

Analyte	Result	Reporting	Units	Spike Level	Source Result	%RFC	%REC	RPD	RPD Limit	Notes
Semivolatile Organics by GC/MS	- Quality (	Control	51110	20101	out	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0			
Batch B8G0925 - FPA 3545 MS	Guanty C									
Blank (B8G0925-BI K1) Continu	Blank (B8G0025-BLK1) Continued					vzed. U.	7/09/18			
2 4-Dichlorophenol	<0.10	0.10	ma/ka	ropard		<i>y2</i> 00. 0	.,00/10			
Diethyl obthalate	<0.10	0.10	ma/ka							
2 4-Dimethylphenol	<0.00	0.00	ma/ka							
Dimethyl phthalate	< 0.20	0.20	ma/ka							
4 6-Dinitro-2-methylphenol	< 0.20	0.20	ma/ka							
2.4-Dinitrophenol	< 0.40	0.40	ma/ka							
2.6-Dinitrotoluene	< 0.10	0.10	ma/ka							
2.4-Dinitrotoluene	<0.10	0.10	ma/ka							
Di-n-octyl phthalate	<0.10	0.10	ma/ka							
1,2-Diphenylhydrazine	<0.10	0.10	mg/ka							
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							

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#### LABORATORY ANALYSIS RESULTS

Catalyst Environmental Solutions

Project No: NA Project Name: Woodward - Duar	NA Date Received: Woodward - Duarte II Date Reported:						ived: 0 orted: 0	7/06/18 7/23/18		
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) Continu	ed			Prepare	ed & Anal	vzed: 0	7/09/18			
N-Nitrosodiphenvlamine	<0.10	0.10	ma/ka	•		,				
N-Nitrosodi-n-propylamine	<0.10	0.10	ma/ka							
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)				Prepare	ed & Anal	yzed: 0	7/09/18			
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			**

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AA Project No: A967145



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#### 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
_		

Units

Spike Source

%REC

Level Result %REC Limits RPD

Reporting

Result Limit

# Semivolatile Organics by GC/MS - Quality Control

Batch B8G0925 - EPA 3545 MS

LCS (B8G0925-BS1) Continued				Prepare	ed & Analyzed: 0	7/09/18			
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)				Prepare	ed & Analyzed: 0	7/09/18			
Acenaphthene	0.439	0.10	mg/kg	0.60	73.1	50-121	6.18	40	

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RPD

Limit Notes



		Reporting	Snike Source	%REC	RPD
Project Name:	Woodward - Duarte II			Date Reported	<b>d:</b> 07/23/18
Project No:	NA	Solutions		Date Received	<b>d:</b> 07/06/18
011		N = 1,		A A Due lest M.	

	F	Reporting		Spike	Source	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result %REC	Limits	RPD	Limit	Notes
Semivolatile Organics by GC/MS	6 - Quality C	Control							
Batch B8G0925 - EPA 3545 MS									
LCS Dup (B8G0925-BSD1) Co	ntinued			Prepare	ed & Analyzed: 0	7/09/18			
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	

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### LABORATORY ANALYSIS RESULTS

Client: Cata Project No: NA Project Name: Woo	lyst Environmental dward - Duarte II	ntal Solutions II				AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18						
Analyte	Res	ult	Reporting Limit	Units	Spike Level	Source Result %RE	%REC C Limits	RPD	RPD Limit	Notes		
Semivolatile Organics	by GC/MS - Qual	ity (	Control									
Batch B8G0925 - EPA	3545 MS											
LCS Dup (B8G0925-	BSD1) Continued				Prepare	ed & Analyzed:	07/09/18					
Pentachlorophenol	0.3	337	0.10	mg/kg	0.60	56.2	2 14-176	23.0	40			
Phenanthrene	0.4	14	0.10	mg/kg	0.60	69.0	58-106	9.70	40			
Phenol	0.4	01	0.10	mg/kg	0.60	66.8	5-112	3.33	40			
Pyrene	0.3	882	0.10	mg/kg	0.60	63.6	52-115	5.06	40			
1,2,4-Trichlorobenzer	ne <b>0.4</b>	<b>06</b>	0.10	mg/kg	0.60	67.7	' 44-142	18.1	40			
2,4,6-Trichlorophenol	0.4	07	0.20	mg/kg	0.60	67.9	37-144	11.1	40			
Surrogate: 2-Fluorobi	phenyl 0.4	182		mg/kg	0.50	96.5	5 43-145					
Surrogate: 2-Fluoropl	henol 0.7	780		mg/kg	1.0	78.0	) 21-143					
Surrogate: Nitrobenze	ene-d5 0.4	134		mg/kg	0.50	86.7	7 35-142					
Surrogate: Phenol-d6	0.7	770		mg/kg	1.0	77.0	) 10-135					
Surrogate: Terphenyl	-dl4 0.4	144		mg/kg	0.50	88.8	3 33-148					
Surrogate: 2,4,6-Tribi	romophenol 0.8	362		mg/kg	1.0	86.2	2 10-150					
Polychlorinated Biphe	enyls by GC - Qua	lity	Control									
Batch B8G1027 - EPA	3550B											
Blank (B8G1027-BL	K1)				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: Decachlor	obiphenyl 4	.77		uq/kq	5.0	95.4	4 50-150					
Surrogate: Tetrachlor	o-meta-xylene 4	.33		ug/kg	5.0	86.6	50-150					
LCS (B8G1027-BS1)				00	Prepare	ed & Analyzed:	07/10/18					
Aroclor-1016	6	0.5	20	ua/ka	50	121	60-140					
Aroclor-1260		~ 7	00	0.0	50	405	00 4 4 0					
	62	2.7	20	ug/kg	50	125	60-140					
Surrogate: Decachlor	obiphenvl 4	<b>2.7</b> .91	20	ug/kg ug/ka	50 5.0	120 98.1	60-140 50-150					

LCS Dup (B8G1027-BSD1)

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Prepared & Analyzed: 07/10/18



Client: Project No:	Catalyst Enviror NA	nmental So	lutions			AA Project No: A967145 Date Received: 07/06/18							
Project Name:	Woodward - Dua	arte II				Da	ate Repo	rted: 0	7/23/18				
Analyte		Result	Reporting Limit	Units	Spike Level	Source Result %REC	%REC Limits	RPD	RPD Limit	Notes			
Polychlorinated	Biphenyls by G(	C - Quality	Control										
Batch B8G1027	- EPA 3550B												
LCS Dup (B8G	1027-BSD1) Con	tinued			Prepare	d & Analyzed: 0	7/10/18						
Aroclor-1016		63.1	20	ua/ka	50	126	60-140	4.27	40				
Aroclor-1260		61.3	20	ug/kg	50	123	60-140	2.16	40				
Surrogate: Deca	achlorobinhenvl	4 77		ua/ka	5.0	95.5	50-150						
Surrogate: Tetra	achloro-meta-xvle	ene 4.27		ug/kg ua/ka	5.0	85.3	50-150						
	HC by CC/MS E	DA 5035 -	Quality Cor	ntrol	0.0	0010	00 100						
Batch B8C0021	EDA 5035	I A 3033 -	Quality CO										
Blank (BSC002					Dropara	d & Analyzod: 0	7/00/19						
	I-DLKI)	<0.050	0.050	ma/ka	Fiepale	u & Analyzeu. U	1109/10						
tert_Amyl Methy	Ethor (TAME)	<0.050	0.050	mg/kg									
Renzene		<0.0000	0.0000	ma/ka									
Bromobenzene		<0.0020	0.0050	ma/ka									
Bromochlorome	thane	< 0.0050	0.0050	ma/ka									
Bromodichlorom	nethane	< 0.0050	0.0050	ma/ka									
Bromoform		< 0.0050	0.0050	ma/ka									
Bromomethane		<0.0050	0.0050	mg/kg									
2-Butanone (ME	EK)	<0.050	0.050	mg/kg									
tert-Butyl alcoho	ol (TBA)	<0.020	0.020	mg/kg									
sec-Butylbenzer	ne	<0.0050	0.0050	mg/kg									
tert-Butylbenzer	ne	<0.0050	0.0050	mg/kg									
n-Butylbenzene		<0.0050	0.0050	mg/kg									
Carbon Disulfide	Ð	<0.0050	0.0050	mg/kg									
Carbon Tetrach	loride	<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-DIDromo-3-0	nioropropane		0.010	mg/kg									
			0.0050	mg/kg									
r,z-Dibromoetha		~0.0000	0.0000	тту/ку									

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Client: Project No: Project Name:	Catalyst Environmental Solutions NA Woodward Duarte II	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18
Fioject Name.	Woodward - Duarte II	
Analyte	Reporting Result Limit U	Spike Source %REC RPD nits Level Result %REC Limits RPD Limit Note

#### VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control

Batch B8G0921 - EPA 5035

Blank (B8G0921-BLK1) Continu	ed			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	

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Client: Proiect No:	Catalyst Environn NA	AA Project No: A967145 Date Received: 07/06/18									
Project Name:	Woodward - Duar	Date Reported: 07/23/18									
Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH	IG by GC/MS EP	A 5035 -	Quality Cor	ntrol							
Batch B8G0921 -	EPA 5035										
Blank (B8G0921	-BLK1) Continue	ed			Prepare	d & Anal	yzed: 0	7/09/18			
1,1,2,2-Tetrachlo	roethane	<0.0050	0.0050	mg/kg			-				
Tetrachloroethyle	ene (PCE)	< 0.0050	0.0050	mg/kg							
Toluene		<0.0020	0.0020	mg/kg							
1,2,4-Trichlorobe	nzene	<0.0050	0.0050	mg/kg							
1,2,3-Trichlorobe	nzene	<0.0050	0.0050	mg/kg							
1,1,2-Trichloroeth	nane	<0.0050	0.0050	mg/kg							
1,1,1-Trichloroeth	nane	< 0.0050	0.0050	mg/kg							
Trichloroethylene	e (TCE)	<0.0050	0.0050	mg/kg							
Trichlorofluorome	ethane (R11)	<0.0050	0.0050	mg/kg							
1,2,3-Trichloropro	opane	<0.0050	0.0050	mg/kg							
1,1,2-Trichloro-1	,2,2-trifluoroethan	€0.0050	0.0050	mg/kg							
(R113)											
1,3,5-Trimethylbe	enzene	<0.0050	0.0050	mg/kg							
1,2,4-Trimethylbe	enzene	<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-Bro	mofluorobenzene	0.108		mg/kg	0.10		108	70-140			
Surrogate: Dibro	mofluoromethane	0.0998		mg/kg	0.10		99.8	70-140			
Surrogate: Tolue	ne-d8	0.0991		mg/kg	0.10		99.1	70-140			
LCS (B8G0921-I	3S1)				Prepare	ed & Anal	lyzed: 0	7/09/18			
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			
Bromochloromet	hane	0.0419	0.0050	mg/kg	0.040		105	70-130			
Bromodichlorome	ethane	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 (MEI	<)	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			

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Client: Project No:	Catalyst Environmental Solutions NA	AA Project No: A967145 Date Received: 07/06/18
Project Name:	Woodward - Duarte II	Date Reported: 07/23/18
Analyte	Reporting Result Limit Units	Spike Source %REC RPD Level Result %REC Limits RPD Limit Notes

#### VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control

Batch B8G0921 - EPA 5035

LCS (B8G0921-BS1) Continued				Prepare	d & 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

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Client: Project No:	Catalyst Environmental Solutions NA	AA Project No: A967145 Date Received: 07/06/18	
Project Name:	Woodward - Duarte II	Date Reported: 07/23/18	
Analyte	Reporting Result Limit U	Spike Source %REC RPD its Level Result %REC Limits RPD Limit Note	s

#### 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 7	75-125			
Ethyl-tert-Butyl Ether (ETBE)	0.0375	0.0050	mg/kg	0.040	93.8 7	'0-130			
Gasoline Range Organics (GRO)	1.08	0.50	mg/kg	1.0	108 7	'0-130			
Hexachlorobutadiene	0.0394	0.010	mg/kg	0.040	98.4 7	'0-130			
2-Hexanone (MBK)	0.0350	0.050	mg/kg	0.040	87.4 7	'0-130			
Isopropylbenzene	0.0435	0.0050	mg/kg	0.040	109 7	'0-130			
4-Isopropyltoluene	0.0408	0.0050	mg/kg	0.040	102 7	'0-130			
Methyl-tert-Butyl Ether (MTBE)	0.0829	0.0050	mg/kg	0.080	104 7	75-125			
Methylene Chloride	0.0417	0.050	mg/kg	0.040	104 7	′5-130			
4-Methyl-2-pentanone (MIBK)	0.0380	0.050	mg/kg	0.040	95.0 7	'0-130			
Naphthalene	0.0335	0.010	mg/kg	0.040	83.8 7	'0-130			
n-Propylbenzene	0.0436	0.0050	mg/kg	0.040	109 7	'0-130			
Styrene	0.0427	0.0050	mg/kg	0.040	107 7	'0-130			
1,1,1,2-Tetrachloroethane	0.0422	0.0050	mg/kg	0.040	105 7	'0-130			
1,1,2,2-Tetrachloroethane	0.0408	0.0050	mg/kg	0.040	102 7	'0-135			
Tetrachloroethylene (PCE)	0.0446	0.0050	mg/kg	0.040	112 7	75-125			
Toluene	0.0441	0.0020	mg/kg	0.040	110 7	75-125			
1,2,4-Trichlorobenzene	0.0352	0.0050	mg/kg	0.040	88.0 7	'0-130			
1,2,3-Trichlorobenzene	0.0349	0.0050	mg/kg	0.040	87.2 7	'0-130			
1,1,2-Trichloroethane	0.0399	0.0050	mg/kg	0.040	99.8 7	75-125			
1,1,1-Trichloroethane	0.0398	0.0050	mg/kg	0.040	99.6 7	75-125			
Trichloroethylene (TCE)	0.0417	0.0050	mg/kg	0.040	104 7	75-125			
Trichlorofluoromethane (R11)	0.0429	0.0050	mg/kg	0.040	107 7	'0-130			
1,2,3-Trichloropropane	0.0418	0.0050	mg/kg	0.040	104 7	'0-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	e <b>0.0501</b>	0.0050	mg/kg	0.040	125 7	'0-130			
(R113)									
1,3,5-Trimethylbenzene	0.0396	0.0050	mg/kg	0.040	98.9 7	'0-130			
1,2,4-Trimethylbenzene	0.0385	0.0050	mg/kg	0.040	96.4 7	'0-130			
Vinyl chloride	0.0418	0.0050	mg/kg	0.040	104 7	'5-125			
o-Xylene	0.0432	0.0020	mg/kg	0.040	108 7	75-125			
m,p-Xylenes	0.0930	0.0020	mg/kg	0.080	116 7	′0-130			

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Viorel Vasile Operations Manager



#### LABORATORY ANALYSIS RESULTS

Client: Project No: Project Name:	Catalyst Environm NA Woodward - Duart	iental Sc te II	olutions				A/ Da Da	A Projec ate Rece ate Repo	t No: A ived: 0 orted: 0	967145 7/06/18 7/23/18	
Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TP	HG by GC/MS EP	A 5035 -	Quality Cor	ntrol							
Batch B8G0921 -	EPA 5035										
LCS (B8G0921-	BS1) Continued				Prepare	ed & Analy	/zed: 07	7/09/18			
Surrogate: 4-Bro	mofluorobenzene	0.104		mg/kg	0.10		104	70-140			
Surrogate: Dibro	mofluoromethane	0.0989		mg/kg	0.10		98.9	70-140			
Surrogate: Tolue	ene-d8	0.104		mg/kg	0.10		104	70-140			
LCS Dup (B8G0	921-BSD1)				Prepare	ed & Analy	/zed: 07	7/09/18			
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	
Bromochloromet	hane	0.0423	0.0050	mg/kg	0.040		106	70-130	0.998	30	
Bromodichlorom	ethane	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 (ME	K)	0.0236	0.050	mg/kg	0.040		59.0	70-130	46.1	30	***,
											AA-C1
tert-Butyl alcoho	I (TBA)	0.234	0.020	mg/kg	0.20		117	70-130	29.1	30	
sec-Butylbenzen	е	0.0430	0.0050	mg/kg	0.040		108	70-130	1.48	30	
tert-Butylbenzen	e	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 Tetrachl	oride	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	/5-125	8.21	30	
Chloroform		0.0493	0.0050	mg/kg	0.040		123	/5-125	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-c	nioropropane	0.0439	0.010	mg/kg	0.040		110	70-130	13.3	30	
		0.0456	0.0050	mg/kg	0.040		114	/5-125	11.9	30	
	ine (EDR)	0.0438	0.0050	mg/kg	0.040		110	70-130	5.97	30	
	3	0.0481	0.0050	mg/kg	0.040		120	70-130	15.4	30	
1,4-Dichlorobenz	zene	0.0410	0.0050	mg/kg	0.040		102	/5-125	0.0488	30	

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Client:	Catalyst Enviror	alyst Environmental Solutions				AA Project No: A967145								
Project No:	NA					Date Received: 07/06/18								
Project Name:	Woodward - Du	Voodward - Duarte II					Da	ate Repo	orted: 0	7/23/18				
		Reporting						%REC		RPD				
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes			
VOCs, OXY & TF	PHG by GC/MS E	PA 5035 - (	Quality Co	ntrol										
Batch B8G0921	- EPA 5035	PA 5035												

LCS Dup (B8G0921-BSD1) Conti	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	
lsopropylbenzene	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	

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#### LABORATORY ANALYSIS RESULTS

Catalyst Environmental Solutions

Project No: NA Project Name: Woodward - Du	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 E	PA 5035 -	Quality Cor	ntrol						
Batch B8G0921 - EPA 5035									
LCS Dup (B8G0921-BSD1) Cor	ntinued			Prepare	ed & Analyzed: 0	7/09/18			
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-trifluoroetha (R113)	ane <b>0.0524</b>	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-Bromofluorobenzer	ne 0.106		mg/kg	0.10	106	70-140			
Surrogate: Dibromofluoromethar	ne 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)				Prepare	ed & Analyzed: 0	7/10/18			
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						

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AA Project No: A967145



Client: Project No:	Catalyst Environmental Solutions NA	AA Project No: A967145 Date Received: 07/06/18
Project Name:	Woodward - Duarte II	Date Reported: 07/23/18
Analyte	Reporting Result Limit Uni	Spike Source %REC RPD ts Level Result %REC Limits RPD Limit Notes

#### VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control

Batch B8G1028 - EPA 5035

Blank (B8G1028-BLK1) Continu	ied		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

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**Project No:** 

NA

#### LABORATORY ANALYSIS RESULTS

Catalyst Environmental Solutions

Project Name: Woodward - Dua	Project Name: Woodward - Duarte II							Date Reported: 07/23/18					
Analyta	Docult	Reporting	Unite	Spike	Source	%REC	חסס	RPD	Notoc				
	Result		Units	Levei	Result %REC		KFD	Liiiit	Notes				
VOCS, OXY & IPHG by GC/MS EF	PA 5035 -	Quality Cor	ntrol										
Batch B8G1028 - EPA 5035													
Blank (B8G1028-BLK1) Continu	ed			Prepare	ed & Analyzed: (	)7/10/18							
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-trifluoroethar	1 <b>€</b> 0.0050	0.0050	mg/kg										
(R113)			0.0										
1,3,5-Trimethylbenzene	<0.0050	0.0050	mg/kg										
1,2,4-Trimethylbenzene	<0.0050	0.0050	mg/kg										

m,p-Xylenes<0.0020</th>0.0020mg/kgSurrogate: 4-Bromofluorobenzene0.106mg/kg0.10

<0.0050

< 0.0020

0.0050

0.0020

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Vinyl chloride

o-Xylene

mg/kg

mg/kg

AA Project No: A967145

Date Received: 07/06/18

106 70-140



#### LABORATORY ANALYSIS RESULTS

Client: Project No: Project Name:	Catalyst Environm NA Woodward - Duar	iental Sc te II		AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18						
			Reporting		Spike	Source	%REC		RPD	
Analyte		Result	Limit	Units	Level	Result %RE	C Limits	RPD	Limit	Notes
VOCs, OXY & TP	HG by GC/MS EP	A 5035 -	<b>Quality Cor</b>	ntrol						
Batch B8G1028 ·	- EPA 5035									
Blank (B8G102	8-BLK1) Continue	ed			Prepare	ed & Analyzed:	07/10/18			
Surrogate: Dibro	, omofluoromethane	0.0987		mg/kg	0.10	98.7	70-140			
Surrogate: Tolu	ene-d8	0.102		mg/kg	0.10	102	70-140			
LCS (B8G1028-	-BS1)				Prepare	ed & Analyzed:	07/10/18			
Acetone		0.0307	0.050	mg/kg	0.040	76.6	70-130			
tert-Amyl Methy	I 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			
Bromochlorome	thane	0.0396	0.0050	mg/kg	0.040	98.9	70-130			
Bromodichlorom	nethane	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 (ME	EK)	0.0344	0.050	mg/kg	0.040	86.1	70-130			
tert-Butyl alcoho	ol (TBA)	0.210	0.020	mg/kg	0.20	105	70-130			
sec-Butylbenzer	ne	0.0421	0.0050	mg/kg	0.040	105	70-130			
tert-Butylbenzer	ne	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	e	0.0315	0.0050	mg/kg	0.040	78.8	70-130			
Carbon Tetrach	loride	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-c	chloropropane	0.0403	0.010	mg/kg	0.040	101	70-130			
Dibromochloron	nethane	0.0434	0.0050	mg/kg	0.040	108	/5-125			
1,2-Dibromoetha	ane (EDB)	0.0425	0.0050	mg/kg	0.040	106	/0-130			
Dibromomethan	е	0.0394	0.0050	mg/kg	0.040	98.6	/0-130			
1,4-Dichloroben	zene	0.0412	0.0050	mg/kg	0.040	103	/5-125			
1,3-Dichloroben	zene	0.0435	0.0050	mg/kg	0.040	109	70-130			
1,2-Dichloroben	zene	0.0422	0.0050	mg/kg	0.040	106	70-130			

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#### LABORATORY ANALYSIS RESULTS

Catalyst Environmental Solutions

Project No: NA Project Name: Woodward - Duar	/ard - Duarte II					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 EP	A 5035 -	Quality Cor	ntrol								
Batch B8G1028 - EPA 5035											
LCS (B8G1028-BS1) Continued				Prepare	ed & Analyzed: 0	7/10/18					
Dichlorodifluoromethane (R12)	0.0255	0.0050	ma/ka	0.040	63.8	70-130			***		
1 1-Dichloroethane	0.0397	0.0050	ma/ka	0.040	99.2	70-125					
1.2-Dichloroethane (EDC)	0.0419	0.0050	ma/ka	0.040	105	75-125					
trans-1.2-Dichloroethylene	0.0404	0.0050	ma/ka	0.040	101	75-125					
cis-1.2-Dichloroethylene	0.0422	0.0050	ma/ka	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					

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AA Project No: A967145



#### LABORATORY ANALYSIS RESULTS

Client: ( Project No: Project Name: \	Catalyst Environm NA Woodward - Duarl	iental So te II	olutions	AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18           porting Limit         Spike         Source Result         %REC         RPD         RPD Limit           ality Control         Prepared & Analyzed: 07/10/18         RPD         Limit           0.0050         mg/kg         0.040         93.6         70-130           0.0050         mg/kg         0.040         101         75-125           0.0050         mg/kg         0.040         103         70-130           0.0050         mg/kg         0.040         103         70-130           0.0050         mg/kg         0.040         103         70-130           0.0050         mg/kg         0.040         105         75-125           0.0050         mg/kg         0.040         105         75-125           0.0050         mg/kg         0.040         105         75-125           0.0020         mg/kg         0.10         104         70-140						
Analvte		Result	Reporting Limit	Units	Spike Level	Source Result %REC	%REC Limits	RPD	RPD Limit	Notes
VOCs. OXY & TPH	G by GC/MS EP	A 5035 -	Quality Cor	ntrol						
Batch B8G1028 -	EPA 5035		<b>,</b>							
LCS (B8G1028-E	S1) Continued				Prepare	d & Analyzed: 0	7/10/18			
1,2,3-Trichlorobe	nzene	0.0375	0.0050	mg/kg	0.040	93.6	70-130			
1,1,2-Trichloroeth	ane	0.0406	0.0050	mg/kg	0.040	101	75-125			
1,1,1-Trichloroeth	ane	0.0412	0.0050	mg/kg	0.040	103	75-125			
Trichloroethylene	(TCE)	0.0404	0.0050	mg/kg	0.040	101	75-125			
Trichlorofluorome	thane (R11)	0.0383	0.0050	mg/kg	0.040	95.7	70-130			
1,2,3-Trichloropro	pane	0.0413	0.0050	mg/kg	0.040	103	70-130			
1,1,2-Trichloro-1, (R113)	2,2-trifluoroethane	e <b>0.0463</b>	0.0050	mg/kg	0.040	116	70-130			
1,3,5-Trimethylbe	nzene	0.0397	0.0050	mg/kg	0.040	99.3	70-130			
1,2,4-Trimethylbe	nzene	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-Broi	nofluorobenzene	0.104	1	mg/kg	0.10	104	70-140			
Surrogate: Dibror	nofluoromethane	0.0983	}	mg/kg	0.10	98.3	70-140			
Surrogate: Tolue	ne-d8	0.0988	}	mg/kg	0.10	98.8	70-140			
LCS Dup (B8G10	)28-BSD1)				Prepare	d & Analyzed: 0	7/10/18			
Acetone		0.0325	0.050	mg/kg	0.040	81.2	70-130	5.83	30	
tert-Amyl Methyl I	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	
Bromochlorometh	nane	0.0406	0.0050	mg/kg	0.040	101	70-130	2.50	30	
Bromodichlorome	thane	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 (ME	()	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	9	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	

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Client: Project No:	Catalyst Environmental Solutions NA	AA Project No: A967145 Date Received: 07/06/18
Project Name:	Woodward - Duarte II	Date Reported: 07/23/18
Analyte	Reporting Result Limit Unit	Spike Source %REC RPD s Level Result %REC Limits RPD Limit Notes

#### VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control

Batch B8G1028 - EPA 5035

LCS Dup (B8G1028-BSD1) Conti									
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	

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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
Analyte	Reporting Result Limit Units	Spike Source %REC RPD Level Result %REC Limits RPD Limit Notes

### VOCs, OXY & TPHG by GC/MS EPA 5035 - Quality Control

Batch B8G1028 - EPA 5035

LCS Dup (B8G1028-BSD1) Conti	nued			Prepare	d & Analyzed: 0	7/10/18			
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	e <b>0.0505</b>	0.0050	mg/kg	0.040	126	70-130	8.55	30	
(NTIS) 135-Trimethylbenzene	0 0370	0 0050	ma/ka	0.040	94.6	70-130	1 80	30	
1.2.4-Trimethylbenzene	0.0378	0.0050	ma/ka	0.040	94.5	70-130	4.00	30	
Vinyl chloride	0.0070	0.0050	mg/kg	0.040	90.6	75-125	8.58	30	
	0.0302	0.0000	mg/kg	0.040	104	75-125	1.05	30	
m n-Xylenes	0.0417	0.0020	mg/kg	0.040	104	70-120	3.84	30	
	0.000	0.0020		0.000			0.04	00	
Surrogate: 4-Bromotluorobenzene	0.104		mg/kg	0.10	104	/0-140			
Surrogate: Dibromotluoromethane	0.103		mg/kg	0.10	103	/0-140			
Surrogate: Toluene-d8	0.0994		mg/kg	0.10	99.4	70-140			
Carbon Chain by CC/EID Quality	Control								

### Carbon Chain by GC/FID - Quality Control

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## 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

	F	Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result %	6REC	Limits	RPD	Limit	Notes
Carbon Chain by GC/FID - Quality	Control									
Batch B8G0924 - EPA 3550B										
Blank (B8G0924-BLK1)				Prepare	d & Analyz	zed: 07	7/09/18			
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)				Prepare	ed & Analyz	zed: 07	7/09/18			
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)				Prepare	d & Analyz	zed: 07	7/09/18			
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)	S	ource: 8G(	06009-01	Prepare	ed & Analyz	zed: 07	7/09/18			
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-MSI	D1) S	ource: 8G(	06009-01	Prepare	ed & Analyz	zed: 07	7/09/18			
Diesel Range Organics as Diesel	150	10	mg/kg	200		75.0	70-130	6.26	40	

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Result         Reporting Limit         Spike         Source Level         %REC Result         RPD kimit         RPD Notes           Carbon Chain by GC/FID - Quality Control Batch B8G0924 - EPA 35608         Source: 8G06009-01         Prepared & Analyzed: 07/09/18         Imit         Notes           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         Prepared: 07/09/18         Analyzed: 07/10/18            Antimony         <10         10         mg/kg              Arsenic         <0.50         0.50         mg/kg               Gamium         <10         10         mg/kg                 Cobalt         <3.0         3.0         mg/kg                 Killion         <0.50         0.50         mg/kg                 Barium	Client: Project No: Project Name:	Catalyst Enviro NA Woodward - Du	nmental Soli uarte II	utions				A Da Da	A Projec ate Rece ate Repo	t No: A ived: 0 rted: 0	.967145 7/06/18 7/23/18		
Carbon Chain by GC/FID - Quality Control Batch B8G0924 - EPA 3550B           Matrix Spike Dup (B8G0924-MSD1) Continued         Source: 806009-01 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         Prepared: 07/09/18         Analyzed: 07/10/18           Antimony         <10	<th>Analyte</th> <th></th> <th>F Result</th> <th>Reporting Limit</th> <th>Units</th> <th>Spike Level</th> <th>Source Result</th> <th>%REC</th> <th>%REC Limits</th> <th>RPD</th> <th>RPD Limit</th> <th>Notes</th>	Analyte		F Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8G0924 - EPA 3350B           Matrix Spike Dup (B8G0924-MSD1) Continued         Source: 8606009-01 Prepared & Analyzed: 07/09/18           Surrogate: or Terphenyl         7.18         mg/kg         10         71.8         50-150           Total Metals CAM 17 - Quality Control Batch B8G0928 - EPA 3050B         Prepared: 07/09/18         Analyzed: 07/10/18           Antimony         <10	Carbon Chain by	/ GC/FID - Quali	ity Control										
Matrix Spike Dup (B8G0924-MSD1)         Source: 8G06009-01         Prepared & Analyzed: 07/09/18           Matrix Spike Dup (B8G0924-MSD1)         Source: 8G06009-01         Prepared: 07/09/18           Total Metals CAM 17 - Quality Control         Batch B8G0928 - EPA 30508         Prepared: 07/09/18 Analyzed: 07/10/18           Blank (B8G0928-BLK1)         Prepared: 07/09/18 Analyzed: 07/10/18         Prepared: 07/09/18 Analyzed: 07/10/18           Antimony         <10         10         mg/kg           Gamium         <10         10         mg/kg           Beryllium         <10         10         mg/kg           Cobait         <3.0         3.0         mg/kg           Cobait         <3.0         3.0         mg/kg           Cobait         <3.0         3.0         mg/kg           Cobait         <3.0         3.0         mg/kg           Selenium         <5.0         5.0         mg/kg           Selenium         <5.0         5.0         mg/kg           Selenium         <5.0         5.0         mg/kg           Chromium         <5.0         5.0         mg/kg           Selenium         <5.0         5.0         mg/kg           Chromium         <5.0         5.0         5.0 <td>Batch B8G0924</td> <td>- EPA 3550B</td> <td><b>, .</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Batch B8G0924	- EPA 3550B	<b>, .</b>										
Surrogate: o-Terphenyl         7.18         mg/kg         10         71.8         50-150           Total Metals CAM 17 - Quality Control Batch BBG0928 - EPA 3050B         Prepared: 07/09/18         Analyzed: 07/10/18           Blank (B8G0928-BLK1)         Prepared: 07/09/18         Analyzed: 07/10/18           Antimony         <10	Matrix Spike D Continued	up (B8G0924-M	SD1) S	ource: 8G(	06009-01	Prepare	ed & Anal	lyzed: 0	7/09/18				
Total Metals CAM 17 - Quality Control           Batch B8G0928 - EPA 3050B           Prepared: 07/09/18 Analyzed: 07/10/18           Anitimony            Antimony         <10         10         mg/kg           Barium         <10	Surrogate: o-Te	erphenyl	7.18		mg/kg	10		71.8	50-150				
Batch B8G0928 - EPA 3050B           Blank (B8G0928-BLK1)         Prepared: 07/09/18 Analyzed: 07/10/18           Antimony         <10         10         mg/kg           Arsenic         <0.50	Total Metals CA	M 17 - Quality C	ontrol										
Blank (B8G0928-BLK1)         Prepared: 07/09/18 Analyzed: 07/10/18           Antimony         <10	Batch B8G0928	- EPA 3050B											
Antimony       <10	Blank (B8G092	28-BLK1)				Prepare	ed: 07/09	/18 Ana	alvzed: 07	7/10/18			
Arsenic       <0.50	Antimony	,	<10	10	ma/ka								
Barium       <10	Arsenic		<0.50	0.50	ma/ka								
Beryllium       <1.0	Barium		<10	10	mg/kg								
Cadmium         <1.0         mg/kg           Chromium         <3.0	Beryllium		<1.0	1.0	mg/kg								
Chromium         <3.0         3.0         mg/kg           Cobalt         <3.0	Cadmium		<1.0	1.0	mg/kg								
Cobalt       <3.0	Chromium		<3.0	3.0	mg/kg								
Copper       <3.0	Cobalt		<3.0	3.0	mg/kg								
Lead       <3.0	Copper		<3.0	3.0	mg/kg								
Molybdenum<5.0 $5.0$ $mg/kg$ Nickel<3.0	Lead		<3.0	3.0	mg/kg								
Nickel       <3.0       3.0       mg/kg         Selenium       <0.50	Molybdenum		<5.0	5.0	mg/kg								
Selenium       <0.50	Nickel		<3.0	3.0	mg/kg								
Silver       <1.0	Selenium		<0.50	0.50	mg/kg								
Thallium       <5.0	Silver		<1.0	1.0	mg/kg								
Vanadium       <10       10       mg/kg         Zinc       <3.0	Thallium		<5.0	5.0	mg/kg								
Zinc       <3.0	Vanadium		<10	10	mg/kg								
LCS (B8G0928-BS1)Prepared: 07/09/18 Analyzed: 07/10/18Antimony53.210mg/kg5010680-120Arsenic52.10.50mg/kg5010480-120Barium51.610mg/kg5010380-120Beryllium55.81.0mg/kg5011280-120Cadmium55.81.0mg/kg5011280-120Chromium53.53.0mg/kg5010780-120Cobalt54.53.0mg/kg5010980-120Copper50.63.0mg/kg5010180-120Lead51.63.0mg/kg5010180-120			<3.0	3.0	mg/kg	-	1 07/00	40.0					
Antimony53.210mg/kg5010680-120Arsenic52.10.50mg/kg5010480-120Barium51.610mg/kg5010380-120Beryllium55.81.0mg/kg5011280-120Cadmium55.81.0mg/kg5011280-120Chromium53.53.0mg/kg5010780-120Cobalt54.53.0mg/kg5010980-120Copper50.63.0mg/kg5010180-120Lead51.63.0mg/kg5010380-120	LCS (B8G0928	-BS1)		40		Prepare	ed: 07/09	/18 Ana	alyzed: 0/	/10/18			
Arsenic52.10.50mg/kg5010480-120Barium51.610mg/kg5010380-120Beryllium55.81.0mg/kg5011280-120Cadmium55.81.0mg/kg5011280-120Chromium53.53.0mg/kg5010780-120Cobalt54.53.0mg/kg5010980-120Copper50.63.0mg/kg5010180-120Lead51.63.0mg/kg5010180-120	Antimony		53.2	10	mg/kg	50		106	80-120				
Barlum       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       1013       80-120	Arsenic		52.1	0.50	mg/kg	50		104	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	Barium		51.6	10	mg/kg	50		103	80-120				
Cadmium       53.8       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	Beryllium		55.8 55.9	1.0	mg/kg	50		112	80-120				
Construction       53.5       5.0       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       101       80-120	Cadmium		55.8 52.5	1.U 3.0	mg/kg	50 50		11Z	00-120				
Copper     50.6     3.0     mg/kg     50     109     60-120       Lead     51.6     3.0     mg/kg     50     103     80-120	Cobalt		53.5 51 F	3.0 3.0	mg/kg	50 60		107	00-120 80 120				
Lead 516 3.0 mg/kg 50 101 60-120	Copper		54.5 50 e	3.0	mg/kg	50		109	80-120				
	Lead		51.6	3.0	ma/ka	50		103	80-120				

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Viorel Vasile Operations Manager



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

	F	Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result %R	EC	Limits	RPD	Limit	Notes
Total Metals CAM 17 - Quality Con	trol									
Batch B8G0928 - EPA 3050B										
LCS (B8G0928-BS1) Continued				Prepare	ed: 07/09/18	Anal	yzed: 07	7/10/18		
Molybdenum	54.6	5.0	mg/kg	50	1(	)9	80-120			
Nickel	54.4	3.0	mg/kg	50	1(	)9	80-120			
Selenium	48.8	0.50	mg/kg	50	97	7.7	80-120			
Silver	51.3	1.0	mg/kg	50	1(	)3	80-120			
Thallium	56.1	5.0	mg/kg	50	1 <sup>.</sup>	12	80-120			
Vanadium	54.2	10	mg/kg	50	1(	30	80-120			
Zinc	57.6	3.0	mg/kg	50	1 <sup>-</sup>	15	80-120			
LCS Dup (B8G0928-BSD1)				Prepare	ed: 07/09/18	Anal	yzed: 07	7/10/18		
Antimony	46.4	10	mg/kg	50	92	2.7	80-120	13.7	20	
Arsenic	46.0	0.50	mg/kg	50	92	2.1	80-120	12.3	20	
Barium	44.7	10	mg/kg	50	89	9.5	80-120	14.2	20	
Beryllium	48.4	1.0	mg/kg	50	96	6.9	80-120	14.2	20	
Cadmium	48.6	1.0	mg/kg	50	97	7.1	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	1.6	80-120	14.2	20	
Copper	43.6	3.0	mg/kg	50	87	7.2	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	1.9	80-120	14.0	20	
Nickel	47.0	3.0	mg/kg	50	93	3.9	80-120	14.6	20	
Selenium	43.9	0.50	mg/kg	50	87	7.8	80-120	10.7	20	
Silver	44.5	1.0	mg/kg	50	89	9.0	80-120	14.1	20	
Thallium	49.7	5.0	mg/kg	50	99	9.4	80-120	12.1	20	
Vanadium	46.8	10	mg/kg	50	93	3.7	80-120	14.5	20	
Zinc	50.1	3.0	mg/kg	50	1(	00	80-120	14.0	20	
Duplicate (B8G0928-DUP1)	S	ource: 8G0	6009-12	Prepare	ed: 07/09/18	Anal	yzed: 07	7/10/18		
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	

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Viorel Vasile Operations Manager



		Reporting	Spike Source	%REC	RPD
Project No: Project Name:	Catalyst Environmental S NA Woodward - Duarte II	olutions		AA Project N Date Receive Date Reporte	<b>d:</b> 07/06/18 <b>d:</b> 07/23/18
		- 1 t <sup>1</sup>		A A Due lest M	

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Total Metals CAM 17 - Quality C	Control									
Batch B8G0928 - EPA 3050B										
Duplicate (B8G0928-DUP1) C	ontinued S	ource: 8G	06009-12	Prepare	ed: 07/09/	18 Ana	alyzed: 07	7/10/18		
Cobalt	7.14	3.0	mg/kg		7.69		<u>,</u>	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)	S	ource: 8G	06009-04	Prepare	ed: 07/09/	18 Ana	alyzed: 07	7/10/18		
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-M	/ISD1) S	ource: 8G	<u>06009-</u> 04	Prepare	ed: 07/09/	18 Ana	alyzed: 07	7/10/18		
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

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Viorel Vasile Operations Manager



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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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Total Metals CAM 17 - Quality Con	trol									
Batch B8G0928 - EPA 3050B										
Matrix Spike Dup (B8G0928-MSD	01) S	Source: 8G0	6009-04	Prepare	ed: 07/09/	18 Ana	lyzed: 0	7/10/18		
Continued	-			-						
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 Co	ntrol									
Batch B8G0926 - EPA 7471A Prep										
Blank (B8G0926-BLK1)				Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	<0.020	0.020	mg/kg							
LCS (B8G0926-BS1)				Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	0.429	0.020	mg/kg	0.50		85.8	80-120			
LCS Dup (B8G0926-BSD1)			. –	Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	0.516	0.020	mg/kg	0.50		103	80-120	18.4	25	
Duplicate (B8G0926-DUP1)	5	Source: 8G0	6009-12	Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	0.0810	0.020	mg/kg		0.0720			11.8	25	
Matrix Spike (B8G0926-MS1)	5	Source: 8G0	6009-04	Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	0.516	0.020	mg/kg	0.50	0.0945	84.2	75-125			
Matrix Spike Dup (B8G0926-MSD	)) 5	Source: 8G0	6009-04	Prepare	ed & Anal	yzed: 0	7/09/18			
Mercury	0.550	0.020	mg/kg	0.50	0.0945	91.0	75-125	6.38	25	

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Viorel Vasile **Operations Manager** 



Client: Project N Project N	lo: lame:	Cat NA Wo	talyst Environmental Solutions AA Project No: A967145 Date Received: 07/06/18 Date Reported: 07/23/18
Special N	<u>otes</u>		
[1] = *	**	:	Exceeds upper control limit.
[2] = *	***	:	Exceeds lower control limit.
[3] = /	AA-C1	:	Exceeds RPD control limit.
[4] = 0 [5] = 3	QM-4X S-GC	:	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. 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.

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Viorel Vasile Operations Manager



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					

Telephone: (818)998-5547 Attention: Viorel Vasile

Number of Pages	4
Date Received	07/18/2018
Date Reported	07/23/2018

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:

2

Approved By: C. Raymona

Cyrus Razmara, Ph.D. Laboratory Director

	A.A. COC No.: 70051691	Page 1 of 1	ame:	iture:	2415025291-A967145	No.:	lame)		Special	unseructions	below l	Macuel 125	Thank 100						Tege Received by	Received by	Received by		analyses performed on this project.
	0	>   -   )	Sampler's N	npler's Signa	P.0	Quote	ESTED (Test N				una codes "								Time 0930	Time	Time		ient-requested
	Y RECOR	)	0000	Sar			ANALYSIS REQU												07/12/0	Date	Date		and any additional cli
	-OF-CUSTOD RTH, CA 91311	0-990-1200	145/8600	- - 				ر ا د ر	2 27	No. Por	Cont/ ricase ent	< -							nquished by	nquished by	nquished by		this chain of custody form
	CHAIN- CHATSWOI	4/ FAX: 81	904						andard TAT)	Sample Matrix	1125								No.	Relir	Relir		s requested on
	LICS ( N AVE., 0	0-220-02	ame / No.	e Address	City	tate & Zip		ush	h g Days (Sti	Time	020												the service
	NALY7 9765 ETO		Project N	Site		S	**	72 Hour Ri	5 Day Rus	Date	71215												tees to pay for and Sample(s
	AMERICAN A		TANA T	el Varle			TAT Turnaround Codes	ay Rush	Rush (5) = Rush X =	A.A. I.D.	10 26226			and a second					aboratory Use				American Analytics, client agr 30 days from the date of invo
ARTL	AMERICAN	ANALYTICS	Client: RME CICK	Project Manager: V1056	Phone:	Fax:		$\underbrace{(1)}_{\text{(1)}}$ = Same D	(2) = 24  Hour (3) = 48  Hour	Client I.D.	8606009-01								ForL			A.A. Project No.:	Note: By relinguishing samples to Payment for services is due withir



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2834 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

COOLER RECEIPT FORM							
Client Name: American Amulu Tizs							
Project Name:							
AETL Job Number: 93296 El	93	2970	ρ.				
Date Received: 37/18/18 Rece	eived 1	v. Leas	- clando				
Carrier: AFTI Courier NClient	$\Box G$	$SO \square Fedt$					
		50 11001					
Samples were received in: 14 Cooler (	 Othe	* (Q;C_)•					
Inside temperature of shipping container No 1		No 2. No	- <del>3</del> .				
Type of sample containers: $\Box$ VOA $\Box$ Glass be	ottles X	Wide mouth iar	S ANDPE hottles				
$\square$ Metal sleeves. $\square$ Others (Specify):	,,	i i i i i i i i i i i i i i i i i i i	s, Alini L'oottos,				
How are samples preserved: $\Box$ None, $\Box$ Ice.	XB1u	e Ice. 🗌 Dry Ice					
None HNO2 XNaOH ZnOAC HC1 Na2S2O2 MeOH							
Other (Specify):			- <u>-</u> ,,,				
1	Yes	No, explain below	Name, if client was notified.				
1. Are the COCs Correct?	X						
2. Are the Sample labels legible?	$ \chi $						
3. Do samples match the COC?	X.						
4. Are the required analyses clear?	X						
5. Is there enough samples for required analysis?	X						
6. Are samples sealed with evidence tape?	MA						
7. Are sample containers in good condition?	X						
8. Are samples preserved?							
9. Are samples preserved properly for the							
intended analysis?	Ŭ						
10. Are the VOAs free of headspace?	NA						
11. Are the jars free of headspace?	1						

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### Explain all "No" answers for above questions:



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Page: 1 A

#### Ordered By

American Analytics 9765 Eton Avenue Chatsworth, CA 91311-4306

Telephone: (818)998-5547 Attention: Viorel Vasile

Project ID: A96	<b>7145/8G06009</b>
Date Received	07/18/2018
Date Reported	07/23/2018

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.

La	b ID	Sample ID	Sample Date	Matrix			Quantity Of	Containers
93295	7.01	8G06009-01	07/05/2018	Soil			1	
	Metho	d ^ Submethod	Req	Date P	riority	TAT	Units	
[	(6010B	-STLC) ^ STLC-CR	07/2:	5/2018	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:

2

Approved By:

Cyrus Razmara, Ph.D. Laboratory Director



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### ANALYTICAL RESULTS

#### Ordered By

American Analytics								
9765 Eton Avenue								
Chatsworth, CA 91311-4306								
Telephone: (818)998-5547								
Attn: Viore	el 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		



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### ANALYTICAL RESULTS

#### Ordered By

American Analytics							
9765 Eton Avenue							
Chatsworth, CA 91311-4306							
Telephone: (818)998-5547							
Attn: Viorel V	Vasile						
Page:	3						
Project ID:	A967145/8G06009						
Project Name: <b>PO# SUB03591-A967145</b>							

aetl	Job Num	ber Su	bmit	ted	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**

Or	de	re	d	By
			_	_

American Analytics	•				
9765 Eton Avenue					
Chatsworth, CA 913	311-4306				
Telephone: (818)9	98-5547	-			
Attn: Viorel	Vasile				
Page:	4				
Project ID:	A967145/8G06009		AETL Job Number	Submitted	Client
Project Name:	PO# SUB03591-A967145		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

	SM	SM DUP	RPD	SM RPD			
Analytes	Result	Result	%	% 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

	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% 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 SpikeMS DU:Matrix Spike DuplicateND: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<br/>be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical<br/>instrumentation and practice.Recov:Recovered concentration in the sample.RPD:Relative Percent Difference

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# 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



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:

Rick McKenna DOSH Certified Asbestos Consultant #92-0683

Reviewed by:

Date: September 18, 2007

Date: September 18, 2007

David S. Martinez, CIH Client Program Manager

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2.1 Asbestos Sampling Strategies	.2-1
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### List of Appendices

- Appendix A Laboratory Analysis Results and Chain of Custody Forms
- Appendix B Sample Location Diagram
- Appendix C Glossary of Asbestos Regulatory Terms

# 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)

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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

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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	Results &	Quantity *	Material Condition
	Description	Type Aspestos	quantity	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	Roofing material	Assumed ACM	Throughout not quantified	Good condition
			not quantineu	Maintain in place
PACM Roof	Cementitious pipe	Assumed ACM	Not quantified	Maintain in alars
				Maintain in place

### Table (continued)

### 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.).

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.

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### 5.0 References

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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.



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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 Environme Infrastructure, In Attn: Seyed Miri 3347 Michelson Suite 200 Invine, CA 92612	ental & c. Drive 2-1692	Date Received Date Examined RE GE Aviation;	09/04/07 09/05/07 1700 Bus C	AmeriSci P.O. # G Page Ctr. Dr., Dua	Job No. 907091012 E Aviation I of 18 rte, CA
		No	Achectec R	rocont	Total % Ashastas
Chent No. / HGA		NO.	Aspestos P	resent	Total % Aspestos
01 01	90709 Location: 12" X 12" C	91012-01L1 ream Floor Tile & Tar	Mastic / Maint.	Office	NAD (by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-fibrous 100 %	Non-Fibrous, Floor Ti	le		on 09/05/07
01	90709	91012-01L2	No		NAD
01	Location: 12" X 12" C	ream Floor Tile & Tar	n Mastic / Maint.	Office	(by CVES) by Arturo A. Aldana
Description:	Yellow, Heterogeneous	s, Non-Fibrous, Mastic		9 <sub>12</sub>	on 09/05/07
Asbestos Types: Other Material:	Non-fibrous 100 %				
02	90709	91012-02L1	No		NAD
01	Location: 12" X 12" C	bream Floor Tile & Ta	n Mastic / Maint	. Office	(by CVES) by Arturo A. Aldana
. Description:	Beige, Homogeneous,	Non-Fibrous, Floor T	ile		on 09/05/07
Other Material:	Non-fibrous 100 %			-	
02	90709	91012-02L2	No		NAD
01	Location: 12" X 12" C	cream Floor Tile & Ta	n Mastic / Maint	. Office	(by CVES) by Arturo A. Aldana
Description:	Yellow, Heterogeneous	s, Non-Fibrous, Masti	C		on 09/05/07
Other Material:	Non-fibrous 100 %				
03	9070	91012-03L1	No		NAD
01 -	Location: 12" X 12" C	Cream Floor Tile & Ta	n Mastic / Ship /	Rec. Office	(by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-fibrous 100 %	Non-Fibrous, Floor T	ile		on 09/05/07

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Client Name: Shaw Environmental & Infrastructure, Inc.

### PLM Bulk Asbestos Report

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of

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Client No.	/ HGA	Lab No.	Asbestos Present	Total % Asbestos
03		907091012-03L2	No	NAD
01	(by CVES) by Arturo A. Aldana			
Descri Asbestos 1 Other Ma	ption: Yellow, Hete Types: Iterial: Non-fibrous	rogeneous, Non-Fibrous, I	Mastic	on 09/05/07
04		907091012-04L1	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	Mastic / Ship / Rec. Office	(by CVES by Arturo A. Aldana
Descri Asbestos 1	ption: Grey, Homo Types:	igeneous, Non-Fibrous, Flo	por Tile	on 09/05/07
Other Ma	terial: Non-fibrous	100 %		
04		907091012-04L2	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	Mastic / Ship / Rec. Office	(by CVES) by Arturo A. Aldana
Descri	iption: Yellow, Hete	erogeneous, Non-Fibrous,	Mastic	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %	*	S. N.C.,
05		907091012-05L1	No	NAD
02	2 Location: 12" X 12" Gray Floor Tile & Mastic / First Aid			
Descr Asbestos	iption: Grey, Homo Types:	ogeneous, Non-Fibrous, Flo	oor Tile	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %		
05		907091012-05L2	No	NAD
02	Location:	12" X 12" Gray Floor Tile 8	Mastic / First Aid	by CVES) by Arturo A. Aldana
Descr Asbestos	i <b>ption:</b> Yellow, Het <b>Types:</b>	erogeneous, Non-Fibrous,	Mastic	on 09/05/07
Other Ma	aterial: Non-fibrous	100 %		
06		907091012-06L1	No	NAD
02	Location:	12" X 12" Gray Floor Tile &	& Mastic / Break Room	(by CVES) by Arturo A. Aldana
Descr Asbestos	iption: Grey, Home Types:	ogeneous, Non-Fibrous, Fl	oor Tile	on 09/05/07
Other M	aterial: 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	<b>Total % Asbestos</b>
06	907091012-06L2	Νο	NAD
02 L	.ocation: 12" X 12" Gray Floor Tile & M	(by CVES) by Arturo A. Aldana	
Description: Y	ellow, Heterogeneous, Non-Fibrous, M	astic	on 09/05/07
Asbestos Types:			
Other Material: N	Ion-fibrous 100 %	·	
07	907091012-07L1	Yes	2 %
03 1	.ocation: 12" X 12" Cream / Rust Floor	Tile & Mastic / Reproduction Room	(by CVES) by Arturo A. Aldana
Description: E Asbestos Types: (	Beige, Homogeneous, Non-Fibrous, Floo Chrysotile 2.0 %	or Tile	on 09/05/07
Other Material: N	ion-librous 98 %		
07	907091012-07L2	No	NAD
03 1	ocation: 12" X 12" Cream / Rust Floor	r Tile & Mastic / Reproduction Room	(by CVES
			by Arturo A. Aldana
Description: ) Ashestos Types:	ellow/Black, Heterogeneous, Non-Fibro	ous, Mastics	01103/00/07
Other Material: N	Non-fibrous 100 %	*s \	3 Sec. 1
08	907091012-0811	Yes	2 %
03 1	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Rep. Storage Rm.	(by CVES
			by Arturo A. Aldana
Description: E	Beige, Homogeneous, Non-Fibrous, Flo	or Tile	on 09/05/07
Asbestos Types: (	Chrysotile 2.0 %		
Other Material. 1			
08	907091012-08L2	No	NAD
03	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Rep. Storage Rm.	(by CVES) by Arturo A. Aldana
Description:	rellow/Black, Heterogeneous, Non-Fibr	ous, Mastics	on 09/05/07
Asbestos Types:	Non fibrous 100 %		
09	907091012-09L1	Yes	2 %
03	Location: 12" X 12" Cream / Rust Floo	r Tile & Mastic / Gage Room	(by CVES) by Arturo A. Aldana
- Description: Asbestos Types: Other Material:	Beige, Homogeneous, Non-Fibrous, Flo Chrysotile 2.0 % Non-fibrous 98-%	oor Tile	on 09/05/07

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See Reporting notes on last page

# PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

011011110111101	Lab No.	Asbestos Present	<b>Total % Asbesto</b>
09	907091012-09L2	No	NAD
03	Location: 12" X 12" Cream / Rust Floor Tile	(by CVES by Arturo A. Aldana	
Description:	Yellow/Black, Heterogeneous, Non-Fibrous, N	Mastics	on 09/05/07
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
Description: Asbestos Types:	Tan, Homogeneous, Non-Fibrous, Floor Tile		on 09/05/07
Other Material:	Non-fibrous 100 %		
10	907091012-10L2	No	NAD
04	Location: 12" X12" Tan Floor Tile & Mastic /	/ Mezzanine - Rep. Storage Rm	(by CVE) by Arturo A. Aldana
Description:	Yellow, Heterogeneous, Non-Fibrous, Mastic		on 09/05/07
Other Material:	Non-fibrous 100 %	No. (A)	- A.S.
11	907091012-11	No	NAD
04	Location: 12" X12" Tan Floor Tile & Mastic	/ Wom. RR	(by CVE
Description:	Beige, Homogeneous, Non-Fibrous, Floor Til	le	on 09/05/07
Other Material:	Non-fibrous 100 %		• 197
Comment:	No mastic	3	
12	907091012-12	No	NAD
04	Location: 12" X12" Tan Floor Tile & Mastic	/ Wom. RR Foyer	(by CVE) by Arturo A. Aldana
Description: Asbestos Types:	Beige, Homogeneous, Non-Fibrous, Floor Til	le	on 09/05/07
	Non-fibrous 100 %		
Other Material:			

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### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto
13 05 Lo	907091012-13 cation: 12" X 12" White Floor Tile &	<b>No</b> Mastic / Mezzanine - Office	NAD (by CVES
Description: Off Asbestos Types: Other Material: No Comment: No	-White, Homogeneous, Non-Fibrous, n-fibrous 100 % Mastic	Floor Tile	by Arturo A. Aldana on 09/05/07
14	907091012-14	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	(by CVE) by Arturo A. Aldana
Description: Off Asbestos Types:	-White, Homogeneous, Non-Fibrous,	Floor Tile	on 09/05/07
Comment: No	mastic		
15	907091012-15L1	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	(by CVE) by Arturo A. Aldana
Description: Off Asbestos Types:	-White, Homogeneous, Non-Fibrous,	Floor Tile	on 09/05/07
Other Material: No	n-fibrous 100 %		Ŷ
15	907091012-15L2	No	NAD
05 Lo	cation: 12" X 12" White Floor Tile &	Mastic / Mezzanine - Office	by CVE) by Arturo A. Aldana
Description: Ye	llow, Heterogeneous, Non-Fibrous, N	Aastic	on 09/05/07
Asbestos Types: Other Materiai: No	n-fibrous 100 %	· .	
16	907091012-16	No	NAD
06 Lo	cation: 2' X 4' Ceiling Panels Tran. I	Fischer Pat. / Maint. Office	(by CVE) by Arturo A Aldana
	ige/White, Heterogeneous, Fibrous, G	Ceiling Tile	on 09/05/07
Asbestos Types:			

### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
17	907091012-17	No	NAD
06	Location: 2' X 4' Ceiling Panels Rando	(by CVES) by Arturo A. Aldana	
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 23 %, Fibrous glass 13 %, N	Ion-fibrous 64 %	
18	907091012-18	No	NAD
06	Location: 2' X 4' Ceiling Panels Rando	om Fishcher Pat. / Break Room	(by CVES by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 23 %, Fibrous glass 13 %, N	ion-fibrous 64 %	
19	907091012-19	No	NAD
07	Location: 2' X 7' Ceiling Panels Rando	om Fischer Pat. / Office Area - Front	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	- By -
20	907091012-20	No	NAD
07	Location: 2' X 7' Ceiling Panels Rand	om Fischer Pat. / Office Area - Front	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	-
21	907091012-21	No	NAD
07	Location: 2' X 7' Ceiling Panels Rand Mezzanine	om Fischer Pat. / Office Area -	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous 56 %	
22	907091012-22	No	NAD
08	Location: 2' X 4' Ceiling Panel - Tran	Patterson / Reproduction Room	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Beige/White, Heterogeneous, Fibrous,	Ceiling Tile	on 09/05/07
Other Material:	Cellulose 40 %, Fibrous glass 4 %, N	on-fibrous-56-%	

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See Reporting notes on last page

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### PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
23	907091012-23	No	NAD
08 Location	Location: 2' X 4' Ceiling Panel - Tran Patterson / Mezz. Offices (Hallway)		
Description: Beige/W Asbestos Types:	hite, Heterogeneous, Fibrous, C	eiling Tile	on 09/05/07
Other Material: Cellulose	e 40 %, Fibrous glass 4 %, Non	-fibrous 56 %	
24	907091012-24	No	NAD
08 Locatio	n: 2' X 4' Ceiling Panel - Tran Pa	atterson / Cont. Rm - Bn Repo Rm.	(by CVES)
Description: Beige/W Asbestos Types:	hite, Heterogeneous, Fibrous, C	eiling Tile	on 09/05/07
Other Material: Cellulos	e 40 %, Fibrous glass 4 %, Nor	-fibrous 56 %	
25	907091012-25	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf F	Rm.	(by CVES) by Arturo A. Aldana
Description: Off-Whit	e, Heterogeneous, Fibrous, Ceil	ng Tile	on 09/05/07
Other Material: Fibrous	glass 55 %, Non-fibrous 45 %	3x - 11	2015
26	907091012-26	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf I	Rm.	(by CVES) by Arturo A. Aldana
Description: Off-Whit	e, Heterogeneous, Fibrous, Ceil	ing Tile	on 09/05/07
Asbestos Types: Other Material: Fibrous	glass 55 %, Non-fibrous 45 %	×	, T
27	007001012 27	No	NAD
09 Locatio	n: 2' X 2' Ceiling Panels / Conf I	Rm.	(by CVES)
Description: Off-Whit	te, Heterogeneous, Fibrous, Ceil	ing Tile	on 09/05/07
Other Material: Fibrous	glass 55 %, Non-fibrous 45 %		
28	907091012-28	No	NAD
10 Locatio	n: Ceiling Tile Mastic (12" X 12" Repo Rm.	' Tile) (Smooth Tile) / Corriodor - By	(by CVES) by Arturo A. Aldana
Description: Dark Br	own, Heterogeneous, Non-Fibro	us, Mastic	on 09/05/07

See Reporting notes on last page

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# **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
29 10	907091012-29 Location: Ceiling Tile Mastic (12" X 1	<b>No</b> 12" Tile) (Smooth Tile) / Corriodor - By	NAD (by CVES
Description: Asbestos Types:	Productio Test Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	by Arturo A. Aldana on 09/05/07
Other Material:	Non-fibrous 100 %		
30	907091012-30	No	NAD
10	Location: Ceiling Tile Mastic (12" X Shipping Office	12" Tile) (Smooth Tile) / Corriodor -	(by CVES) by Arturo A. Aldana
Description: Asbestos Types: Other Material:	Dark Brown, Heterogeneous, Non-Fib Non-fibrous 100 %	rous, Mastic	on 09/05/07
31	907091012-31	No	NAD
11	Location: 12" X 12" Ceiling Tile (Tex	tured) / Corridor - By Prod. Grind	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous	, Ceiling Tile	on 09/05/07
Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	
32	907091012-32	No	NAD
11	Location: 12" X 12" Ceiling Tile (Tex	ktured) / Corridor - By Prod. Grind	(by CVES) by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Fibrous	s, Ceiling Tile	on 09/05/07
Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	ч
33	907091012-33	No	NAD
11	Location: 12" X 12" Ceiling Tile (Te)	(tured) / Corridor - By Prod. Grind	by CVES
Description:	Beige/White, Heterogeneous, Fibrous	s, Ceiling Tile	on 09/05/07
Asbestos Types: Other Material:	Cellulose 30 %, Fibrous glass 13 %,	Non-fibrous 57 %	
34	907091012-34	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	r Text. 12" X 12" Tile) / Corridor - By	(by CVES) by Arturo A. Aldana
Description:	Dark Brown, Heterogeneous, Non-Fi	brous, Mastic	on 09/05/07

# PLM Bulk Asbestos Report

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Chent No. / MGA	Lab No.	Asbestos Present	Total % Asbesto
35	907091012-35	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	Text. 12" X 12" Tile) / Corridor - By	(by CVES by Arturo A. Aldana
Description: I	Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	on 09/05/07
Asbestos Types:			
Other Material: 1	Non-fibrous 100 %		
36	907091012-36	No	NAD
12	Location: Ceiling Tile Mastic (Under Prod Srind	Text. 12" X 12" Tile) / Corridor - By	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	Dark Brown, Heterogeneous, Non-Fib	rous, Mastic	on 09/05/07
Other Material:	Non-fibrous 100 %		
37	907091012-37	Yes	4 %
13	Location: Pipe Fitting Insulation - Lg.	. Pipes / By Mezz. Fan Rm.	(by CVE) by Arturo A. Aldana
Description:	Off-White, Heterogeneous, Fibrous, Ir	sulation	on 09/05/07
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 CVE
<b>D</b>	0// 14/1/10/10/10/10/10/10/10/10/10/10/10/10/1		by Arturo A. Aldana
Description: Ashestos Types:	Uff-White, Heterogeneous, Fibrous, Ir Chrysofile 40%	isulation	011 09/05/07
Other Material:	Fibrous glass 6 %, Non-fibrous 90 %		-
30	007001010 00	Vac	4 02
39	907091012-39	Yes Pipes / By Mozz, Ean Pm	4 %
39 13	907091012-39 Location: Pipe Fitting Insulation - Lg	<b>Yes</b> . Pipes / By Mezz. Fan Rm.	4 % (by CVE by Arturo A. Aldana
39 13 Description:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 %	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types: Other Material:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 %	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation	4 % (by CVE by Arturo A. Aldana on 09/05/07
39 13 Description: Asbestos Types: Other Material: 40	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40	<b>Yes</b> . Pipes / By Mezz. Fan Rm. nsulation <b>Yes</b>	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 %
39 13 Description: Asbestos Types: Other Material: 40 14	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40 Location: Pipe Fitting Insulation - Sn	Yes . Pipes / By Mezz. Fan Rm. nsulation Yes n. Pipes / By Mezz Fan Rm.	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 % (by CVE by Arturo A. Aldana
39 13 Description: Asbestos Types: Other Material: 40 14 Description: Asbestos Types:	907091012-39 Location: Pipe Fitting Insulation - Lg Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 % Fibrous glass 6 %, Non-fibrous 90 % 907091012-40 Location: Pipe Fitting Insulation - Sn Off-White, Heterogeneous, Fibrous, Ir Chrysotile 4.0 %	Yes Pipes / By Mezz. Fan Rm. Insulation Yes n. Pipes / By Mezz Fan Rm. Insulation	4 % (by CVE by Arturo A. Aldana on 09/05/07 4 % (by CVE by Arturo A. Aldana on 09/05/07

See Reporting notes on last page

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
41	907091012-41	Yes	4 %
14         Location: Pipe Fitting Insulation - Sm. Pipes /Mezzanine Storage		(by CVES) by Arturo A. Aldana	
Description: C Asbestos Types: C	Dff-White, Heterogeneous, Fibrous, Insu Chrysotile 4.0 %	lation	on 09/05/07
Other Material: F	ibrous glass 6 %, Non-fibrous 90 %		
42	907091012-42	Yes	4 %
14 L	.ocation: Pipe Fitting Insulation - Sm. F	Pipes / Ceiling Plenum	(by CVES) by Arturo A. Aldana
Description: ( Asbestos Types: (	Off-White, Heterogeneous, Fibrous, Insu Chrysotile 4.0 %	lation	on 09/05/07
Other Material: F	ibrous glass 6 %, Non-fibrous 90 %		
43	907091012-43	Yes	13 %
15 I	.ocation: Texture Coat On Metal Siding	g / Exterior - South Side	(by CVES) by Arturo A. Aldana
Description: E	Black/Beige, Heterogeneous, Fibrous, To	exture Coat	on 09/05/07
Asbestos Types: 0 Other Material: 1	Chrysotile 13.0 % Non-fibrous 87 %	54	17. 18.96 g.
44	907091012-44	Yes	13 %
15 I	Location: Texture Coat On Metal Siding	g / Exterior - West Side	(by CVES) by Arturo A. Aldana
Description: E	Black/Beige, Heterogeneous, Fibrous, T	exture Coat	on 09/05/07
Asbestos Types: (	Chrysotile 13.0 %		
Other Material: N	Non-fibrous 87 %		:
45	907091012-45	Yes	13 %
15 1	Location: Texture Coat On Metal Siding	g / Roof - North Side	(by CVES) by Arturo A. Aldana
Description:	Black/Beige, Heterogeneous, Fibrous, T	exture Coat	on 09/05/07
Asbestos Types: (	Chrysotile 13.0 %		
Other Material: N	Non-fibrous 87 %		
46	907091012-46.1	No	NAD
16 1	Location: Drywall & Joint Compound W	/alls / Ceiling / Breakroom	(by CVES) by Arturo A. Aldana
Description: \ Asbestos Types:	Nhite/Brown/Beige, Heterogeneous, Fib	rous, Drywall / Tape	on 09/05/07
Other Material: (	Cellulose-13-%, Fibrous-glass-Trace, N	on-fibrous-87-%	
ee Reporting notes on last	page		

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# PLM Bulk Asbestos Report

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
46	907091012-46.2	No	NAD
16	Location: Drywall & Joint Compound Wa	(by CVES) by Arturo A. Aldana	
Description: \	White, Heterogeneous, Non-Fibrous, Joir	nt Compound	on 09/05/07
Asbestos Types:			
Other Material: 1	NON-TIDPOUS 100 %		
47	907091012-47.1	No	NAD
16	Location: Drywall & Joint Compound Wa	alls / Fab Offices	(by CVES)
Description: \	White/Brown/Beige, Heterogeneous, Fibr	ous, Drywall / Tape	by Arturo A. Aldana on 09/05/07
Other Material:	Cellulose 31 %, Fibrous glass Trace, No	on-fibrous 69 %	
47	907091012-47.2	No	NAD
16	Location: Drywall & Joint Compound W	alls / Fab Offices	(by CVES)
			by Arturo A. Aldana
Description:	White, Heterogeneous, Non-Fibrous, Joir	nt Compound	on 09/05/07
Other Material:	Non-fibrous 100 %		
48	907091012-48.1	No	NAD
16	Location: Drywall & Joint Compound W	alls / Outside Fab Offices	(by CVES) by Arturo A, Aldana
Description:	White/Beige, Heterogeneous, Fibrous, D	rywall / Tape	on 09/05/07
Other Material:	Cellulose 6 %, Fibrous glass Trace, No	n-fibrous 94 %	
48	907091012-48.2	No	NAD
16	Location: Drywall & Joint Compound W	alls / Outside Fab Offices	(by CVES) by Arturo A. Aldana
Description:	White, Heterogeneous, Non-Fibrous, Join	nt Compound	on 09/05/07
Asbestos Types: Other Material:	Non-fibrous 100 %		
Other Material			
49	907091012-49.1	No	NAD
17	Location: Drywall & Joint Compound W	alls / Ceiling / Maint. Office (NC)	(by CVES) by Arturo A. Aldana
Description: Asbestos Types:	White/Brown/Beige, Heterogeneous, Fib	rous, Drywall / Tape	on 09/05/07 -
Other Material:	Cellulose 2-%, Non-fibrous 98-%	•	
See Reporting notes on last	page		

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# **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
49 17	907091012-49.2 Location: Drywall & Joint Compound	Yes Walls / Ceiling / Maint. Office (NC)	2 % (by CVES)
Description: Asbestos Types: Other Material:	White, Heterogeneous, Non-Fibrous, J Chrysotile 2.0 % Non-fibrous 98 %	oint Compound	by Arturo A. Aldana on 09/05/07
50 17 Description: Asbestos Types: Other Material:	907091012-50.1 Location: Drywall & Joint Compound Walls / Maint. Office (NC) White/Brown, Heterogeneous, Fibrous, Cellulose 1 %, Non-fibrous 99 %	<b>No</b> Walls / Drywall & Joint Compound Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07
50 17 Description: Asbestos Types: Other Material:	907091012-50.2 Location: Drywall & Joint Compound Walls / Maint. Office (NC) White, Heterogeneous, Non-Fibrous, J Chrysotile <1. % Non-fibrous 100 %	<b>Yes</b> Walls / Drywall & Joint Compound oint Compound	Trace (<1 %) (by CVES) by Arturo A. Aldana on 09/05/07
51 17 Description: Asbestos Types: Other Material:	907091012-51.1 Location: Drywall & Joint Compound White/Brown, Heterogeneous, Fibrous Cellulose 4 %, Non-fibrous 96 %	<b>No</b> Walls / Outside Maint. Office , Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07
51 17 Description: Asbestos Types: Other Material:	907091012-51.2 Location: Drywall & Joint Compound White, Heterogeneous, Non-Fibrous, J Chrysotile <1. % Non-fibrous 100 %	<b>Yes</b> Walls / Outside Maint. Office oint Compound	Trace (<1 %) (by CVES) by Arturo A. Aldana on 09/05/07
52 18 Description: Asbestos Types:	907091012-52.1 Location: Drywall & Joint Compound Rep. Rm.) White/Brown, Heterogeneous, Fibrous	<i>No</i> Walls / Ceiling Mezzanine (Above , Drywall	NAD (by CVES) by Arturo A. Aldana on 09/05/07

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
52	907091012-52.2	No	NAD
18	Location: Drywall & Joint Compound V Rep. Rm.)	Valls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana
Description:	White, Heterogeneous, Non-Fibrous, Jo	int Compound	on 09/05/07
Asbestos Types:	No. 75		
Other Material:	Non-fibrous 100 %		· · · · · · · · · · · · · · · · · · ·
53	907091012-53.1	No	NAD
18	Location: Drywall & Joint Compound W Rep. Rm.)	Valls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana
Description:	White/Brown, Heterogeneous, Fibrous,	Drywall	on 09/05/07
Asbestos Types: Other Material:	Cellulose 4 %, Fibrous glass 1 %, Nor	-fibrous 95 %	
53	907091012-53.2	No	NAD
18	Location: Drywall & Joint Compound N Rep. Rm.)	Nalls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana
Description:	White, Heterogeneous, Non-Fibrous, Jo	pint Compound	on 09/05/07
Asbestos Types: Other Material:	Non-fibrous 100 %	5 <sub>16</sub>	19 
54	907091012-54.1	No	NAD
18	Location: Drywall & Joint Compound Rep. Rm.)	Walls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana
Description:	White/Brown, Heterogeneous, Fibrous,	Drywall	on 09/05/07
Asbestos Types:	Cellulose 23 % Non-fibrous 77 %	· ·	
other Material.			•
54	907091012-54.2	Yes	2 %
18	Location: Drywall & Joint Compound Rep. Rm.)	Walls / Ceiling Mezzanine (Above	(by CVES) by Arturo A. Aldana
Description:	White, Heterogeneous, Non-Fibrous, Jo	oint Compound	on 09/05/07
Other Material:	Non-fibrous 98 %		
	007004040 551 4	No	NAD
55 10	907091012-55L1	Aezzanine - Ren Storage Rm	
Description	Dark Prown Homosopoous Nor Elect	Nuc Pasabaard	by Arturo A. Aldana on 09/05/07
Description:	Dark brown, Homogeneous, Non-Fibro	bus, Daseboard	
Asbestos Types:			

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### **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	<b>Total % Asbestos</b>
55	907091012-55L2	No	NAD
19 Loo	ation: Bown Baseboard Mastic / M	ezzanine - Rep. Storage Rm.	(by CVES)
			by Arturo A. Aldana
Description: Dar	k Brown, Homogeneous, Non-Fibro	us, Mastic	on 09/05/07
Other Material: Nor	n-fibrous 100 %		
		Vaa	
55	907091012-55L3		3 %
19 LO	ation: Bown Baseboard Mastic / W	lezzanine - Rep. Storage Rm.	(by CVES) by Arturo A. Aldana
Description: Wh	ite, Heterogeneous, Non-Fibrous, U	nderlayment	on 09/05/07
Asbestos Types: Chr	ysotile 3.0 %		
Other Material: Nor	n-fibrous 97 %		
56	907091012-56L1	No	NAD
19 Lo	cation: Bown Baseboard Mastic / C	ffice - By Prop. Test	(by CVES)
			by Arturo A. Aldana
Description: Dar	k Brown, Homogeneous, Non-Fibro	us, Baseboard	on 09/05/07
Asbestos Types:	fibrous 100 %		
	1-11brous 100 %		
56	907091012-56L2	No	NAD
19 Lo	cation: Bown Baseboard Mastic / C	Office - By Prop. Test	(by CVES)
			by Arturo A. Aldana
Description: Dai	k Brown, Homogeneous, Non-Fibro	ous, Mastic	011 09/05/07
Other Material: No	-fibrous 100 %	-	
		A	
57	907091012-57L1	NO	NAD
19 Lo	cation: Bown Baseboard Mastic / C	Offices - North Side	(by CVES)
Description: Da	k Brown Homogeneous Non-Fibro	us Baseboard	on 09/05/07
Asbestos Types:	R brown, nomogeneous, non-ribio	as, Daseboard	
Other Material: No:	n-fibrous 100 %		
57	907091012-571 2	No	ΝΑΠ
19 Lo	cation: Bown Baseboard Mastic / C	Offices - North Side	(by CVES)
			by Arturo A. Aldana
Description: Da	rk Brown, Homogeneous, Non-Fibro	ous, Mastic	on 09/05/07
Asbestos Types:			
Other Material: No	n-fibrous 100 %	<u></u>	

See Reporting notes on last page

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Client Name: Shaw Environmental & Infrastructure, Inc.

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# PLM Bulk Asbestos Report

Client No. / HG	A Lab N	<b>o.</b>	Asbestos Present	Total % Asbestos
58	9070910	012-58	Yes	4 %
20	Location: Spray - Applie	d Acoustic Ceiling M	aterial / NW Stairwell	(by CVES by Arturo A. Aldana
Description Asbestos Types Other Material	Coff-White, Heterogeneous Chrysotile 4.0 % Non-fibrous 96 %	;, Fibrous, Acoustica	I Texturing	on 09/05/07
59	9070910	)12-59	Yes	3 %
20	Location: Spray - Applie	d Acoustic Ceiling M	aterial / NW Stairwell	(by CVES) by Arturo A. Aldana
Description Asbestos Types Other Material	Coff-White, Heterogeneous Chrysotile 3.0 % Non-fibrous 97 %	s, Fibrous, Acoustica	al Texturing	on 09/05/07
60	9070910	012-60	Yes	3 %
20	Location: Spray - Applie	d Acoustic Ceiling M	laterial / Offices - NW Corner	(by CVES) by Arturo A. Aldana
Description:	Off-White, Heterogeneous	s, Fibrous, Acoustica	al Texturing	on 09/05/07
Other Material	Non-fibrous 97 %		3.5	7 - \$C.
61	9070910	012-61	No	NAD
21	Location: Plaster Walls	& Ceilings (Sand Fir	iish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description Asbestos Types	Off-White, Heterogeneous	s, Non-Fibrous, Cerr	entitious, Plaster	on 09/05/07
Other Material	Non-fibrous 100 %		; d	
62	9070910	)12-62L1	No	NAD
21	Location: Plaster Walls	& Ceilings (Sand Fin	ish) / Mezz. Chiller Rm.	(by ĊVES) by Arturo A. Aldana
Description: Asbestos Types	Off-White, Heterogeneous	s, Non-Fibrous, Cerr	entitious, Plaster	on 09/05/07
Other Material	Non-fibrous 100 %			
62	9070910	012-62L2	No	NAD
21	Location: Plaster Walls &	& Ceilings (Sand Fin	ish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description Asbestos Types	Black, Heterogeneous, No	on-Fibrous, Mastic	-	on 09/05/07

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### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
63	907091012-63L1	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sar	nd Finish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: O Asbestos Types:	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Other Material: N	on-fibrous 100 %		
63	907091012-63L2	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sar	nd Finish) / Mezz. Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: B Asbestos Types:	lack, Heterogeneous, Non-Fibrous, Ma	stic	on 09/05/07
Other Material: N	on-fibrous 100 %		
64	907091012-64L1	No	NAD
21 L	(by CVES) by Arturo A. Aldana		
Description: C	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Other Material: N	on-fibrous 100 %	*e	9 M
64	907091012-64L2	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sa	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: B	lack, Heterogeneous, Non-Fibrous, Ma	astic	on 09/05/07
Asbestos Types: Other Material: N	on-fibrous 100 %		
65	907091012-65	No	NAD
21 · L	ocation: Plaster Walls & Ceilings (Sat	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: C	ff-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster	on 09/05/07
Asbestos Types: Other Material: N	Ion-fibrous 100 %		
66	907091012-66	No	NAD
21 L	ocation: Plaster Walls & Ceilings (Sa	nd Finish) / Roof Chiller Rm.	(by CVES) by Arturo A. Aldana
Description: C	off-White, Heterogeneous, Non-Fibrous	, Cementitious, Plaster -	on 09/05/07
Aspestos Types.			

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Client Name: Shaw Environmental & Infrastructure, Inc.

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# **PLM Bulk Asbestos Report**

Client No. / HG/	A Lab No.	Asbestos Present	<b>Total % Asbestos</b>
67	907091012-67	No	NAD
21	Location: Plaster Walls & Ceilings (S	Smooth Finish) / Office Area - N. Side	(by CVES)
Description			by Arturo A. Aldana
Asbestos Types:	Oπ-white, Heterogeneous, Non-Fibro	us, Cementitious, Plaster	011 09/03/07
Other Material:	Non-fibrous 100 %		
68	907091012-68	No	NAD
22	Location: Plaster Walls & Ceilings (S	Smooth Finish) / Office Area - N. Side	(by CVES)
			by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Non-Fit	prous, Cementitious, Plaster	on 09/05/07
Aspestos Types: Other Material:	Non-fibrous 100 %		
60	007001012-60	No	NAD
22	Location: Plaster Walls & Ceilings (S	Smooth Finish) / Office Area - N. Side	(by CVES
			by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Non-Fit	brous, Cementitious, Plaster	on 09/05/07
Asbestos Types:	Non fibroup 100 %	s.,	
Other Waterial.		21	
70	907091012-70	No	NAD
22	Location: Plaster Walls & Ceilings (	Smooth Finish) / Office Area - N. Side	(by CVES by Arturo A. Aldana
Description:	Beige/White, Heterogeneous, Non-Fi	brous, Cementitious, Plaster	on 09/05/07
Asbestos Types:	Non fibrous 100 %	• .	
Other Material:		·	
71	907091012-71	No	NAD
22	Location: Plaster Walls & Ceilings (	Smooth Finish) / Office Area - N. Side	(by CVES
Decerintien		have Compatible Director	by Arturo A. Aldana
Ashestos Types:	Beige/white, Heterogeneous, Non-Fil	brous, Cementitious, Plaster	011 03/03/01
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
Description:	Beige/White, Heterogeneous, Non-Fi	brous, Cementitious, Plaster	on 09/05/07
Asbestos Types	: 		
other Material			

Client Name: Shaw Environmental & Infrastructure, Inc.

### **PLM Bulk Asbestos Report**

GE Aviation; 1700 Bus Ctr. Dr., Duarte, CA

Client No. / HGA       Lab No.       Asbestos Present       Total % Asbesto         73       907091012-73       No       NAD         22       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD       (by CVE) by Arturo A. Aldana on 09/05/07         74       907091012-74       No       NAD         72       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         74       907091012-74       No       NAD         72       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       (by CVE) by Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %       Totan allow a ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       (by CVE) by Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %       Totanalyzed: 9/5/2007       9/17/207         NAD       Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         Not analyzed By: Arturo A. Aldana 2/2020 period Ceiling Limits: CVES = 1%, 400 Pt Ct = 0.4%, 100 Pt Ct = 0.1%; 1NA not analyzed; NA/PS = not analyzed politive stop: PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M-432-020 per 40 CFR 763 (NUAP Lab #20326-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detec asbestos in floor coverings and similar NOB mater		*** En al		
73       907091012-73       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       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 Arturo A. Aldana on 09/05/07       NAD         23       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       NAD         24       907091012-74       No       NAD         25       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       Obj Arturo A. Aldana on 09/05/07         Asbestos Types: Other Material: Non-fibrous 100 %         Reporting Notes: NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.4%; NA not analyzed; NAPS = not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 ase EPA Advisory for floor tile, FR 4 146, 38970,	Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: by Arturo A. Aldana on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         74       907091012-74       No         72       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: by Arturo A. Aldana on 09/05/07         74       907091012-74       No         72       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE: 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 AM FDY Arturo Marchae Analyzed: 9/5/2007 1/17207-         NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed / positive stop; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 000/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 mon-asbestos-containing in New York State (also see EPA Advisory of file for the saper of the laborator; This PtM-report relates ONLY to the items tested.	73	907091012-73	No	NAD
Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N, Side (by CVE by Arturo A. Aldana on 09/05/07       MAD         23       Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       No       NAD         24       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N, Side (by Arturo A. Aldana on 09/05/07       MAD =         25       Cother Material: Non-fibrous 100 %       Reporting Notes:       010 %         74       Analyzed By: Arturo A. Aldana (ANED)       Muto By End Enalyzed / politics stop: PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA (00/M4-82-020 per 40 CFR 763 (NVLAP Lab #2002)46-0, CA ELAP lab #2022) Note: PLM is not consistently reliable in detec 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 146, 38970, 8/194). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laborator (mist PLM-roor) relates ONLY to the items tested.         Reviewed By:       Muto Muto PLM-root relates ONLY to the items tested.         Reviewed By:       Muto Muto PLM-root relates ONLY to the items tested.	22	Location: Plaster Walls & Ceilings (Sm	ooth Finish) / Office Area - N. Side	(by CVES) by Arturo A. Aldana
Other Material: Non-fibrous 100 %         74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side by Arturo A. Aldana on 09/05/07       by Arturo A. Aldana on 09/05/07         Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster       on 09/05/07         Asbestos Types:         Other Material: Non-fibrous 100 %         Reporting Notes:         Analyzed By: Arturo A. Aldana <i>LAN FOH Attivo Mutro</i> by the Analyzed: 9/5/2007 <i>91/12/07</i> "NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed; NAPS = not analyzed; NAPS = not analyzed; NAPS = not analyzed; NAPS = not analyzed; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA not analyzed; NAPS = not ana	Description: Asbestos Types:	Beige/White, Heterogeneous, Non-Fibro	us, Cementitious, Plaster	on 09/05/07
74       907091012-74       No       NAD         22       Location: Plaster Walls & Ceillings (Smooth Finish) / Office Area - N. Side       (by CVE         by Arturo A. Aldana       on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         Material: Non-fibrous 100 %         Male Provide Aldana / AN FON AND Materia to the only of C1 = 0.25%, 1000 Pt C1 = 0.1%; NA         NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt C1 = 0.25%, 1000 Pt C1 = 0.1%; NA	Other Material:	Non-fibrous 100 %		·
22       Location: Plaster Walls & Ceilings (Smooth Finish) / Office Area - N. Side (by CVE by Arturo A. Aldana on 09/05/07         Asbestos Types:       Other Material: Non-fibrous 100 %         Reporting Notes:         Analyzed By: Arturo A. Aldana / AV For       MWD Amore the Analyzed: 9/5/2007	74	907091012-74	No	NAD
Description: Beige/White, Heterogeneous, Non-Fibrous, Cementitious, Plaster on 09/05/07 Asbestos Types: Other Material: Non-fibrous 100 %  Reporting Notes: Analyzed By: Arturo A. Aldana <u>ANJ FDY</u> <u>AWWO</u> <u>Mut</u> Togte Analyzed: 9/5/2007 <u>9/17/2005</u> "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/M-38-2020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detect 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 § 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-eport relates ONLY to the Items tested. Reviewed By:	22	Location: Plaster Walls & Ceilings (Sm	ooth Finish) / Office Area - N. Side	(by CVES) by Arturo A. Aldana
Reporting Notes: Analyzed By: Arturo A. Aldana <u>AN For</u> <u>AWWO</u> <u>Mutog</u> te Analyzed: 9/5/2007 <u>9/17/2007</u> "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 detect 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 § 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: <u>Mutod</u> <u>AUMWO</u>	Description: Asbestos Types: Other Material:	Beige/White, Heterogeneous, Non-Fibro	ous, Cementitious, Plaster	on 09/05/07
	Analyzed By: Artu *NAD = no asbesi not analyzed; N/ 600/M4-82-020 p asbestos in floor of material can be c 146, 38970, 8/1/9 approval of the la Reviewed By:	uro A. Aldana <u>240 F04</u> <u>ITVT00 Wa</u> tos detected; Detection Limit <1%; Reporting A/PS = not analyzed / positive stop; PLM (po er 40 CFR 763 (NVLAP Lab #200346-0, CA i coverings and similar NOB materials. TEM is onsidered or treated as non-asbestos-contain 04). NIST Accreditation requirements manda boratory. This PLM report relates ONLY to t	g Limits: CVES = 1%, 400 Pt Ct = 0.25% blarized light microscopy) Bulk Asbestos ELAP lab #2322); Note: PLM is not cor s currently the only method that can be ning in New York State (also see EPA A te that this report must not be reproduce he items tested.	6, 1000 Pt Ct = 0.1%; NA s Analysis by EPA hisistently reliable in detect used to determine if this Advisory for floor tile, FR ed except in full with the

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# SHAW Environmental & Infrastructure

Data	09/21/07	
Date:	0010104	
Client:	GE AVIATION	
Site:	1700 BUS. CTR. DR. DUARTE, CA	
Project No.:		
Inspector(s)	RICK MCKENNA	PSIOF5

### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
01	01	12"x re" CREAN FLOOR THE +	MANNT. OFFICE			2	4
02		TAN MASTIC				1	1
03		V	SHAR RE OFFICE			V	V
04	50	12"XIZ" GRAM FROORTILE +	SHIP / REC. OFFICE			N	4
05		MASTIC	FIRST ADD			1	1
06		+	BAEAK ROOM	V		Y	V
07	03	12"x12" CREAM/RUST From Thet	REPRODUCTION ROOM			Ν	4
08		MASD e	Rep. STORAGE RM				
09	$\vee$	$\checkmark$	GAGE ROOM			V	1
10	04	12"×12" TAN FLOOR THEF	MEZZAMNE - REP. STORAGE RM			N	4
1(		MASTIC	WOM, RR				
12	$\mathbf{V}$	$\checkmark$	WOM. BR FOYER			$\checkmark$	V
13	05	12"×12" WHITE FROM THE &	MEZZANINE - OFFICE			N	4
14		MASTIC		1			
15	V	V	X X	$\mathbf{V}$		V	V
NA = Not Ar ND = Not Dr N = Negative	nalyzed etected	Friable: Friability Codes: N = Non-friable; F = Fria Cond.: Condition Codes: G = Good; F = Fair; P = F	Poor Recid By FAuls	حمو	9/4/07	[01]	)

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907091012

Date:	08131107	
Client:	GE AVIATION	
Site:	1700 BUS. CTR DR. DUARTE, CA	
Project No.:		
Inspector(s)	RICK MCKONMA	PSZOF 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.	MAINTOFFICE	VNDET.		F	6
17	(	TRAN. FSCORDE PATT.	BREAK ROOM				
18	V	$\checkmark$		V		V	V
19	07	2'X4' COUNT PAPES	OFFICE AREA-FRONT	UNDET.		F	4
20	1	1 RANDOM FISCHER PAT.					
21	V		V - MEZZZAMINE	$\checkmark$		$\checkmark$	V
72	08	2'X4' CEILING PANERS	REPRODUCTION ROOM	UNDET.		F	4
23		1 -TRAV. PATTERN	MEZZ. OFFICES (HARMAN)			1	
24	V		Conf. Rn - B. Rapo Am	V		V	$\checkmark$
25	09	2'XZ' CEILING PANELS	CONF RM	UNDET.		F	4
26	1						
Z7	V		¥	V			
28	10	CALING THE MASTIC (12"XIZ"THE)	CORROOR - By Reno Rm.	UNDET.		N	4
29	1	(SMOOTHTILE)	CORR. DOR - BY PRODUCTON TET				
30	V	$\checkmark$	SHIPPINGOFFICE	$\checkmark$		V	$\checkmark$
NA = Not Ar ND = Not De N = Negative	alyzed etected	Friable: Friability Codes: N = Non-friable; F = Fria Cond.: Condition Codes: G = Good; F = Fair; P = P	ble Rocci By Bulle	10 91	4/07 /	018	

9	Ó	7	09	1	0	1	2
9	0	7	0.2	1	U	1	2

Date:	08/31/07	
Client:	GE AVINTON	
Site:	1700 BUS CTR. DR. DUARTE, CA	
Project No.		
Inspector(s)	RICK MCKENNA	R-31+5

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### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
31	11	12"x12" CEILING TILE (TOT ROO)	CORR. DOR- 84 PROD. GRIMO	UNDET.		F	4
32							
33		$\checkmark$	V			$\checkmark$	V
34	12	CEILING TILE MASTIC (UNDER	CORRIDOR - BY PROD GRIND	UNDET.		N	4
35	1	TERT. P'x P'TUE	1				
36	$\vee$		1 1			V	$\checkmark$
37	13	PIPE FITTING INSULATION	By MEZZ. FRAN RM	UNDET.		F	4
38	i	- Lo-PMES					
39	$\vee$	L L	T T	V		V	V
40	14	PIPE FITTING INSULATION	Bu LERE FOR RM	UNDET.		F	6
41	1	-Sh. Pipes	MERZAHIME STORAND				
42		V	CERLING PLENUM	V			V
43	15	TEXTURE COAT ON MESAL	EXTERIOR- SOUTHSIDE	UNDET.		N	65
44	1	SIDING	V - VESTSIDE				
45	$\bigvee$		ROOF - NORTHSIDE			, V	V
NA = Not Ar ND = Not Dr N = Negative	nalyzed etected	Friable: Friability Codes: $N = Non-friable$ ; $F = FriaCond.: Condition Codes: G = Good; F = Fair; P = D$	able BReid Ry De	llere	9/4/	0/10/2	)

Date:	08/31/07	
Client:	GE AVIATION	
Site:	1700 BUS. CTR. DR. DUARTE, CA	
Project No.:		
Inspector(s)	TRICK MCKENNA	PS40F5

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907091012

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### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
46	16	DREWALL +JOINT COMPOUND	BREAKROOM	VNDET		N	6
47	1	WALLS RETUNES	FAR. OFFICES	(		1	1
48		$\checkmark$	OUTSIDE FAD OFFICES	V		V	V
49	17	DRYWALL + JOINT COMPOUND	MAINT. OFFICE (NC)	UNDET.		N	K
50	1	WALLS (CELINGS	×				1
51		1 1	OUTSIDE MAINT OFFICE	V		×	V
52	18	DRYWALL + JOINT COMPOUND	METERAMINE (ABOVE REP. RM)	UNDET-		N	5
53		WALLS /CEILINGS					
54	V	V V		V		V	V
55	19	BROWN BASEBOARD MASTE	MEZZANINE - Rep. STORAGE ALM	UNDES.		N	4
56	1		OFFICE - BY DROP. TEST.			1	1
57	V		OFFICES- NORTH S. DE			V	V
58	20	SPRA-APPLIED ACOUSTIC	NW STATRUEL			F	4
59	1	CEILING MATERIA	NE STANEWER				(
60			OFFICES - NW CORNER.			V	V
NA = Not Ar ND = Not De N = Negative	nalyzed etected	Friable: Friability Codes: N = Non-friable; F = Fri Cond.: Condition Codes: G = Good; F = Fair; P =	able Reich By Brulle	U I	7/4/05	1010	

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### Date: 08/31/07 Client: GE AVIATION Site: 1700 BUS. CTR. DR. DUARTE, CA Project No.: Inspector(s) RICK MCKETMA PG 50F5

### ASBESTOS BULK SAMPLING FIELD LOG

Sample Number	HA Number	Material Sampled	Sample Location	Quantity	Analytical Results	Friability	Condition
61	21	PLASTER WALLS & CALINGS	MEZZ. CHILERAM	UNDETI		N	5
62	1	(SAND ANISH)		1		1	1
63							
64							
65			ROOF CHILLER RM				
66			1				
67	V	V	$\checkmark$			V	V
68	22	PLASTER WARS + CALINES	OFFICE AREA - N.S.DE	UNDET.		N	4
69		(SMOOTH FINISH)					
70							
71							
72							
73			,				
74	V	$\bigvee$	$\sim$	V	-	$\checkmark$	V
NA = Not Ar ND = Not De N = Negative	nalyzed etected	Friable: Friability Codes: N = Non-friable; F = Fri Cond.: Condition Codes: G = Good; F = Fair; P =	able Recar By BAile	gea	9/4/01	1010	<del>,</del>

9070 1012

# APPENDIX B SAMPLE LOCATION DIAGRAM



- No asbestos was detected
- Asbestos was detected in at lea one sample of homogenous are - Presumed asbestos-containing

Not to scale

Sample Location Diagram



### 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.