

Sample Description: C7-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887190  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 08:33 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C711-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
		<b>SW-846 8082</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	3.7	18	1
10736	PCB-1221	11104-28-2	N.D.	4.7	18	1
10736	PCB-1232	11141-16-5	N.D.	8.2	18	1
10736	PCB-1242	53469-21-9	N.D.	3.4	18	1
10736	PCB-1248	12672-29-6	N.D.	3.4	18	1
10736	PCB-1254	11097-69-1	N.D.	3.4	18	1
10736	PCB-1260	11096-82-5	N.D.	5.0	18	1
10736	Total PCBs	1336-36-3	N.D.	3.4	18	1
<b>GC Petroleum</b>						
		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	32	4.2	13	1
00071	C23-C40 w/Si Gel	n.a.	480	4.2	13	1
00071	Total TPH w/Si Gel	n.a.	510	4.2	13	1
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.608	1.74	1
06935	Arsenic	7440-38-2	2.63	0.843	1.74	1
06946	Barium	7440-39-3	632	0.0287	0.434	1
06947	Beryllium	7440-41-7	N.D.	0.0582	0.434	1
06949	Cadmium	7440-43-9	0.148 J	0.0426	0.434	1
06951	Chromium	7440-47-3	28.3	0.122	1.30	1
06952	Cobalt	7440-48-4	6.25	0.104	0.434	1
06953	Copper	7440-50-8	15.0	0.200	0.869	1
06955	Lead	7439-92-1	15.6	0.478	1.30	1
06960	Molybdenum	7439-98-7	0.491 J	0.148	0.869	1
06961	Nickel	7440-02-0	24.4	0.261	0.869	1
06936	Selenium	7782-49-2	1.25 J	0.782	1.74	1
Reporting limits for metals were raised due to interference from the sample matrix.						
06966	Silver	7440-22-4	N.D.	0.652	2.17	5
06925	Thallium	7440-28-0	2.33 J	0.713	2.61	1
06971	Vanadium	7440-62-2	33.8	0.122	0.434	1
06972	Zinc	7440-66-6	48.6	0.591	1.74	1
<b>SW-846 7471A</b>						
		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.114	0.0096	0.0963	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	4.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

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15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C711-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170781AA	03/20/2017 04:43	Stephen C Nolte	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 13:33	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 05:45	Anthony P Bauer	5
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/24/2017 17:46	Andrea L Jones	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 15:15	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800016A	03/24/2017 23:43	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800016A	03/21/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1

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REVISED

Sample Description: C7-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

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LL Group # 1777491  
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### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170795708001	03/23/2017 00:45	Elaine F Stoltzfus	5
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 22:36	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 06:43	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8887193  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 08:33 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.106 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	N.D.	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170895705004	04/05/2017 07:13	Joanne M Gates	1.04
07055	Lead	SW-846 6010B	1	170895705004	04/05/2017 07:13	Joanne M Gates	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170895705004	04/04/2017 16:54	Barbara A Kane	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

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Sample Description: C7-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887194  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 10:59 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C712-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	7	21	0.99
10237	Benzene	71-43-2	N.D.	0.5	5	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.99
10237	Bromoform	75-25-2	N.D.	1	5	0.99
10237	Bromomethane	74-83-9	N.D.	2	5	0.99
10237	2-Butanone	78-93-3	N.D.	4	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	47	120	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.99
10237	Chloroethane	75-00-3	N.D.	2	5	0.99
10237	Chloroform	67-66-3	N.D.	1	5	0.99
10237	Chloromethane	74-87-3	N.D.	2	5	0.99
10237	Cyclohexane	110-82-7	N.D.	1	5	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.99
10237	Methylene Chloride	75-09-2	N.D.	2	5	0.99
10237	Styrene	100-42-5	N.D.	1	5	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.99
10237	Toluene	108-88-3	N.D.	1	5	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.99
10237	Trichloroethene	79-01-6	N.D.	1	5	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.99

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C712-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	18	1
10727	Acenaphthylene	208-96-8	4 J	4	18	1
10727	Acetophenone	98-86-2	N.D.	18	36	1
10727	Anthracene	120-12-7	5 J	4	18	1
10727	Atrazine	1912-24-9	N.D.	36	180	1
10727	Benzaldehyde	100-52-7	N.D.	72	180	1
10727	Benzo(a)anthracene	56-55-3	6 J	4	18	1
10727	Benzo(a)pyrene	50-32-8	7 J	4	18	1
10727	Benzo(b)fluoranthene	205-99-2	10 J	4	18	1
10727	Benzo(g,h,i)perylene	191-24-2	8 J	4	18	1
10727	Benzo(k)fluoranthene	207-08-9	5 J	4	18	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	36	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	36	1
10727	Butylbenzylphthalate	85-68-7	N.D.	72	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	72	180	1
10727	Caprolactam	105-60-2	N.D.	36	180	1
10727	Carbazole	86-74-8	N.D.	18	36	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	36	1
10727	4-Chloroaniline	106-47-8	N.D.	36	72	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	36	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	36	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	35	1
10727	2-Chlorophenol	95-57-8	N.D.	18	36	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	36	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	36	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	9 J	4	18	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	18	1
10727	Dibenzofuran	132-64-9	N.D.	18	36	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	360	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	36	1
10727	Diethylphthalate	84-66-2	N.D.	72	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	36	1
10727	Dimethylphthalate	131-11-3	N.D.	72	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	540	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	320	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	72	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	36	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	72	180	1
10727	Fluoranthene	206-44-0	10 J	4	18	1
10727	Fluorene	86-73-7	4 J	4	18	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	18	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	36	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	540	1
10727	Hexachloroethane	67-72-1	N.D.	36	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	18	1
10727	Isophorone	78-59-1	N.D.	18	36	1

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<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	7 J	4	18	1
10727	2-Methylphenol	95-48-7	N.D.	18	36	1
10727	4-Methylphenol	106-44-5	N.D.	18	36	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	17 J	4	18	1
10727	2-Nitroaniline	88-74-4	N.D.	18	36	1
10727	3-Nitroaniline	99-09-2	N.D.	72	180	1
10727	4-Nitroaniline	100-01-6	N.D.	72	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	36	1
10727	2-Nitrophenol	88-75-5	N.D.	18	36	1
10727	4-Nitrophenol	100-02-7	N.D.	180	540	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	36	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	36	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	72	180	1
10727	Pentachlorophenol	87-86-5	N.D.	36	180	1
10727	Phenanthrene	85-01-8	17 J	4	18	1
10727	Phenol	108-95-2	N.D.	18	36	1
10727	Pyrene	129-00-0	11 J	4	18	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	36	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	36	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.18	0.89	1
10738	Alpha BHC	319-84-6	N.D.	0.18	0.89	1
10738	Beta BHC	319-85-7	N.D.	0.32	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.18	0.89	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.18	0.89	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.18	0.89	1
10738	p,p-DDD	72-54-8	N.D.	0.35	1.8	1
10738	p,p-DDE	72-55-9	N.D.	0.35	1.8	1
10738	p,p-DDT	50-29-3	N.D.	0.38	1.8	1
10738	Delta BHC	319-86-8	N.D.	0.48	0.97	1
10738	Dieldrin	60-57-1	N.D.	0.35	1.8	1
10738	Endosulfan I	959-98-8	N.D.	0.24	0.89	1
10738	Endosulfan II	33213-65-9	N.D.	0.35	1.8	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.35	1.8	1
10738	Endrin	72-20-8	N.D.	0.35	1.8	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.35	1.8	1
10738	Endrin Ketone	53494-70-5	N.D.	0.64	1.9	1
10738	Heptachlor	76-44-8	N.D.	0.18	0.89	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.18	0.89	1
10738	Methoxychlor	72-43-5	N.D.	1.8	7.2	1
10738	Toxaphene	8001-35-2	N.D.	15	35	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887194  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 10:59 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C712-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
	<b>SW-846 8082</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	3.8	18	1
10736	PCB-1221	11104-28-2	N.D.	4.9	18	1
10736	PCB-1232	11141-16-5	N.D.	8.5	18	1
10736	PCB-1242	53469-21-9	N.D.	3.5	18	1
10736	PCB-1248	12672-29-6	N.D.	3.5	18	1
10736	PCB-1254	11097-69-1	N.D.	3.5	18	1
10736	PCB-1260	11096-82-5	N.D.	5.2	18	1
10736	Total PCBs	1336-36-3	N.D.	3.5	18	1
<b>GC Petroleum</b>						
	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.3	13	1
00071	C23-C40 w/Si Gel	n.a.	13	4.3	13	1
00071	Total TPH w/Si Gel	n.a.	13	4.3	13	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.82	0.609	1.74	1
06935	Arsenic	7440-38-2	6.55	0.844	1.74	1
06946	Barium	7440-39-3	162	0.0287	0.435	1
06947	Beryllium	7440-41-7	0.726	0.0583	0.435	1
06949	Cadmium	7440-43-9	0.184 J	0.0426	0.435	1
06951	Chromium	7440-47-3	158	0.122	1.30	1
06952	Cobalt	7440-48-4	13.2	0.104	0.435	1
06953	Copper	7440-50-8	24.3	0.200	0.870	1
06955	Lead	7439-92-1	5.24	0.478	1.30	1
06960	Molybdenum	7439-98-7	2.30	0.148	0.870	1
06961	Nickel	7440-02-0	88.7	0.261	0.870	1
06936	Selenium	7782-49-2	4.07	0.783	1.74	1
06966	Silver	7440-22-4	N.D.	0.130	0.435	1
06925	Thallium	7440-28-0	4.58	0.713	2.61	1
06971	Vanadium	7440-62-2	93.7	0.122	0.435	1
06972	Zinc	7440-66-6	66.8	0.592	1.74	1
	<b>SW-846 7471A</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0529 J	0.0106	0.106	1
<b>Wet Chemistry</b>						
	<b>SM 2540 G-1997</b>		<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	7.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887194  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 10:59 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C712-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170781AA	03/20/2017 05:05	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 13:29	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 01:14	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 13:26	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 15:26	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800016A	03/24/2017 22:39	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800016A	03/21/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887194  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 10:59 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C712-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 22:40	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 06:45	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887198  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C713-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	2	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	11	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	130	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	2	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	2	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	2	11	1.01
10237	2-Hexanone	591-78-6	N.D.	3	11	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	N.D.	2	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887198  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C713-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	4 J	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	4 J	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	4 J	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887198  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C713-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.5	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.5	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.5	13	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	1.35 J	0.573	1.64	1
06935	Arsenic	7440-38-2	8.76	0.794	1.64	1
06946	Barium	7440-39-3	129	0.0270	0.409	1
06947	Beryllium	7440-41-7	0.819	0.0549	0.409	1
06949	Cadmium	7440-43-9	N.D.	0.0401	0.409	1
06951	Chromium	7440-47-3	59.5	0.115	1.23	1
06952	Cobalt	7440-48-4	12.2	0.0983	0.409	1
06953	Copper	7440-50-8	23.2	0.188	0.819	1
06955	Lead	7439-92-1	8.01	0.450	1.23	1
06960	Molybdenum	7439-98-7	1.65	0.139	0.819	1
06961	Nickel	7440-02-0	51.7	0.246	0.819	1
06936	Selenium	7782-49-2	3.10	0.737	1.64	1
06966	Silver	7440-22-4	N.D.	0.123	0.409	1
06925	Thallium	7440-28-0	3.16	0.671	2.46	1
06971	Vanadium	7440-62-2	74.2	0.115	0.409	1
06972	Zinc	7440-66-6	81.7	0.557	1.64	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887198  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:07 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C713-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0219 J	0.0111	0.111	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	11.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 11:09	Jennifer K Howe	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 13:24	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 01:42	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170790041A	03/24/2017 11:46	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170790041A	03/21/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887198  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C713-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 22:51	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 06:48	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	2	17080820002B	03/21/2017 21:20	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C714-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.98
10237	Benzene	71-43-2	N.D.	0.5	5	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.98
10237	Bromoform	75-25-2	N.D.	1	5	0.98
10237	Bromomethane	74-83-9	N.D.	2	5	0.98
10237	2-Butanone	78-93-3	N.D.	4	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.98
10237	Chloroethane	75-00-3	N.D.	2	5	0.98
10237	Chloroform	67-66-3	N.D.	1	5	0.98
10237	Chloromethane	74-87-3	N.D.	2	5	0.98
10237	Cyclohexane	110-82-7	N.D.	1	5	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.98
10237	Methylene Chloride	75-09-2	N.D.	2	5	0.98
10237	Styrene	100-42-5	N.D.	1	5	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.98
10237	Toluene	108-88-3	N.D.	1	5	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.98
10237	Trichloroethene	79-01-6	N.D.	1	5	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.98

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C714-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	180	1
10727	Benzaldehyde	100-52-7	N.D.	74	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	4 J	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	4 J	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	74	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	74	180	1
10727	Caprolactam	105-60-2	N.D.	37	180	1
10727	Carbazole	86-74-8	N.D.	18	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	74	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	36	1
10727	2-Chlorophenol	95-57-8	N.D.	18	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	37	1
10727	Diethylphthalate	84-66-2	N.D.	74	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	37	1
10727	Dimethylphthalate	131-11-3	N.D.	74	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	74	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	74	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1
10727	Hexachloroethane	67-72-1	N.D.	37	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	18	37	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C714-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	18	37	1
10727	4-Methylphenol	106-44-5	N.D.	18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	18	37	1
10727	3-Nitroaniline	99-09-2	N.D.	74	180	1
10727	4-Nitroaniline	100-01-6	N.D.	74	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	37	1
10727	2-Nitrophenol	88-75-5	N.D.	18	37	1
10727	4-Nitrophenol	100-02-7	N.D.	180	550	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	74	180	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	18	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	37	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.91	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.91	1
10738	Beta BHC	319-85-7	N.D.	0.33	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.91	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.91	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.91	1
10738	p,p-DDD	72-54-8	N.D.	0.36	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.36	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.38	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.49	0.99	1
10738	Dieldrin	60-57-1	N.D.	0.36	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.24	0.91	1
10738	Endosulfan II	33213-65-9	N.D.	0.36	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.36	1.9	1
10738	Endrin	72-20-8	N.D.	0.36	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.36	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.66	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.91	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.91	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.3	1
10738	Toxaphene	8001-35-2	N.D.	15	36	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C714-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
		<b>SW-846 8082</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	3.9	19	1
10736	PCB-1221	11104-28-2	N.D.	5.0	19	1
10736	PCB-1232	11141-16-5	N.D.	8.7	19	1
10736	PCB-1242	53469-21-9	N.D.	3.6	19	1
10736	PCB-1248	12672-29-6	N.D.	3.6	19	1
10736	PCB-1254	11097-69-1	N.D.	3.6	19	1
10736	PCB-1260	11096-82-5	N.D.	5.3	19	1
10736	Total PCBs	1336-36-3	N.D.	3.6	19	1
<b>GC Petroleum</b>						
		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.23 J	0.718	2.05	1
06935	Arsenic	7440-38-2	6.70	0.995	2.05	1
06946	Barium	7440-39-3	1,210	0.169	2.56	5
06947	Beryllium	7440-41-7	0.633	0.0687	0.513	1
06949	Cadmium	7440-43-9	0.138 J	0.0502	0.513	1
06951	Chromium	7440-47-3	74.1	0.144	1.54	1
06952	Cobalt	7440-48-4	10.0	0.123	0.513	1
06953	Copper	7440-50-8	21.4	0.236	1.03	1
06955	Lead	7439-92-1	3.72	0.564	1.54	1
06960	Molybdenum	7439-98-7	2.72	0.174	1.03	1
06961	Nickel	7440-02-0	60.3	0.308	1.03	1
06936	Selenium	7782-49-2	2.17	0.923	2.05	1
06966	Silver	7440-22-4	N.D.	0.154	0.513	1
06925	Thallium	7440-28-0	2.74 J	0.841	3.08	1
06971	Vanadium	7440-62-2	78.1	0.144	0.513	1
06972	Zinc	7440-66-6	65.8	0.697	2.05	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0582 J	0.0104	0.104	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	9.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C714-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 11:32	Jennifer K Howe	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:40	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	3	201707744677	03/18/2017 13:42	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 13:21	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 02:09	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 14:06	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 15:38	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170790041A	03/24/2017 12:08	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170790041A	03/21/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/23/2017 00:48	Elaine F Stoltzfus	5
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887202  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:14 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C714-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 22:55	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 06:55	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887206  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C715-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	2	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	12	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	54	140	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	2	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	2	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	2	12	1.01
10237	2-Hexanone	591-78-6	N.D.	4	12	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	N.D.	2	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887206  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C715-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	20	41	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	41	200	1
10727	Benzaldehyde	100-52-7	N.D.	81	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	41	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	41	1
10727	Butylbenzylphthalate	85-68-7	N.D.	81	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	81	200	1
10727	Caprolactam	105-60-2	N.D.	41	200	1
10727	Carbazole	86-74-8	N.D.	20	41	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	41	1
10727	4-Chloroaniline	106-47-8	N.D.	41	81	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	41	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	41	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	40	1
10727	2-Chlorophenol	95-57-8	N.D.	20	41	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	41	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	20	41	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	410	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	41	1
10727	Diethylphthalate	84-66-2	N.D.	81	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	41	1
10727	Dimethylphthalate	131-11-3	N.D.	81	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	610	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	81	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	41	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	81	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	41	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	610	1
10727	Hexachloroethane	67-72-1	N.D.	41	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	20	41	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887206  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C715-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	20	41	1
10727	4-Methylphenol	106-44-5	N.D.	20	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	20	41	1
10727	3-Nitroaniline	99-09-2	N.D.	81	200	1
10727	4-Nitroaniline	100-01-6	N.D.	81	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	41	1
10727	2-Nitrophenol	88-75-5	N.D.	20	41	1
10727	4-Nitrophenol	100-02-7	N.D.	200	610	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	41	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	81	200	1
10727	Pentachlorophenol	87-86-5	N.D.	41	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	N.D.	20	41	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	41	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	41	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.9	15	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	0.925 J	0.767	2.19	1
06935	Arsenic	7440-38-2	3.39	1.06	2.19	1
06946	Barium	7440-39-3	216	0.0362	0.548	1
06947	Beryllium	7440-41-7	0.788	0.0734	0.548	1
06949	Cadmium	7440-43-9	0.280 J	0.0537	0.548	1
06951	Chromium	7440-47-3	64.7	0.153	1.64	1
06952	Cobalt	7440-48-4	5.78	0.131	0.548	1
06953	Copper	7440-50-8	23.0	0.252	1.10	1
06955	Lead	7439-92-1	6.06	0.603	1.64	1
06960	Molybdenum	7439-98-7	N.D.	0.186	1.10	1
06961	Nickel	7440-02-0	44.7	0.329	1.10	1
06936	Selenium	7782-49-2	2.79	0.986	2.19	1
06966	Silver	7440-22-4	N.D.	0.164	0.548	1
06925	Thallium	7440-28-0	1.93 J	0.898	3.29	1
06971	Vanadium	7440-62-2	60.2	0.153	0.548	1
06972	Zinc	7440-66-6	81.8	0.745	2.19	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887206  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C715-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0747 J	0.0117	0.117	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	18.5	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 11:54	Jennifer K Howe	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 13:05	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 02:36	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170790041A	03/24/2017 12:29	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170790041A	03/21/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887206  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C715-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 22:59	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 06:58	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C716-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	12	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	54	140	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	12	1
10237	2-Hexanone	591-78-6	N.D.	4	12	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C716-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	81	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	81	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	81	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	81	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	40	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	81	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	81	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	610	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	81	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	81	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	610	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C716-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	20	40	1
10727	4-Methylphenol	106-44-5	N.D.	20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	20	40	1
10727	3-Nitroaniline	99-09-2	N.D.	81	200	1
10727	4-Nitroaniline	100-01-6	N.D.	81	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	40	1
10727	2-Nitrophenol	88-75-5	N.D.	20	40	1
10727	4-Nitrophenol	100-02-7	N.D.	200	610	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	40	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	81	200	1
10727	Pentachlorophenol	87-86-5	N.D.	40	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	N.D.	20	40	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.21	1.0	1
10738	Alpha BHC	319-84-6	N.D.	0.21	1.0	1
10738	Beta BHC	319-85-7	N.D.	0.37	1.2	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.21	1.0	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.21	1.0	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.21	1.0	1
10738	p,p-DDD	72-54-8	N.D.	0.40	2.1	1
10738	p,p-DDE	72-55-9	N.D.	0.40	2.1	1
10738	p,p-DDT	50-29-3	N.D.	0.43	2.1	1
10738	Delta BHC	319-86-8	N.D.	0.55	1.1	1
10738	Dieldrin	60-57-1	N.D.	0.40	2.1	1
10738	Endosulfan I	959-98-8	N.D.	0.27	1.0	1
10738	Endosulfan II	33213-65-9	N.D.	0.40	2.1	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.40	2.1	1
10738	Endrin	72-20-8	N.D.	0.40	2.1	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.40	2.1	1
10738	Endrin Ketone	53494-70-5	N.D.	0.73	2.2	1
10738	Heptachlor	76-44-8	N.D.	0.21	1.0	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.21	1.0	1
10738	Methoxychlor	72-43-5	N.D.	2.1	8.2	1
10738	Toxaphene	8001-35-2	N.D.	17	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C716-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
	<b>SW-846 8082</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	4.4	21	1
10736	PCB-1221	11104-28-2	N.D.	5.6	21	1
10736	PCB-1232	11141-16-5	N.D.	9.8	21	1
10736	PCB-1242	53469-21-9	N.D.	4.0	21	1
10736	PCB-1248	12672-29-6	N.D.	4.0	21	1
10736	PCB-1254	11097-69-1	N.D.	4.0	21	1
10736	PCB-1260	11096-82-5	N.D.	6.0	21	1
10736	Total PCBs	1336-36-3	N.D.	4.0	21	1
<b>GC Petroleum</b>						
	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.9	15	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	0.988 J	0.761	2.17	1
06935	Arsenic	7440-38-2	4.65	1.05	2.17	1
06946	Barium	7440-39-3	111	0.0359	0.544	1
06947	Beryllium	7440-41-7	0.693	0.0728	0.544	1
06949	Cadmium	7440-43-9	0.415 J	0.0533	0.544	1
06951	Chromium	7440-47-3	64.8	0.152	1.63	1
06952	Cobalt	7440-48-4	10.7	0.130	0.544	1
06953	Copper	7440-50-8	23.5	0.250	1.09	1
06955	Lead	7439-92-1	7.13	0.598	1.63	1
06960	Molybdenum	7439-98-7	N.D.	0.185	1.09	1
06961	Nickel	7440-02-0	47.5	0.326	1.09	1
06936	Selenium	7782-49-2	3.09	0.978	2.17	1
06966	Silver	7440-22-4	N.D.	0.815	2.72	5
Reporting limits for metals were raised due to interference from the sample matrix.						
06925	Thallium	7440-28-0	2.36 J	0.891	3.26	1
06971	Vanadium	7440-62-2	65.9	0.152	0.544	1
06972	Zinc	7440-66-6	80.6	0.739	2.17	1
	<b>SW-846 7471A</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0269 J	0.0121	0.121	1
<b>Wet Chemistry</b>						
	<b>SM 2540 G-1997</b>		<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	18.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C716-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017	12:16	Jennifer K Howe	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017	13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017	13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017	12:54	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017	03:03	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017	08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017	14:19	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017	15:49	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017	08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017	08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170790041A	03/24/2017	12:51	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170790041A	03/21/2017	09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887210  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:23 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C716-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170795708001	03/23/2017	00:58	Elaine F Stoltzfus	5
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017	23:03	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017	07:00	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017	23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017	03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017	22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887214  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C717-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	3	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	13	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	56	140	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	3	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	3	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	3	13	1.01
10237	2-Hexanone	591-78-6	N.D.	4	13	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	3	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	N.D.	3	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887214  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C717-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	21	41	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	41	210	1
10727	Benzaldehyde	100-52-7	N.D.	83	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	41	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	41	1
10727	Butylbenzylphthalate	85-68-7	N.D.	83	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	83	210	1
10727	Caprolactam	105-60-2	N.D.	41	210	1
10727	Carbazole	86-74-8	N.D.	21	41	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	41	1
10727	4-Chloroaniline	106-47-8	N.D.	41	83	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	41	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	41	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	41	1
10727	2-Chlorophenol	95-57-8	N.D.	21	41	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	41	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	21	41	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	410	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	41	1
10727	Diethylphthalate	84-66-2	N.D.	83	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	41	1
10727	Dimethylphthalate	131-11-3	N.D.	83	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	620	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	370	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	83	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	41	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	83	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	41	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	620	1
10727	Hexachloroethane	67-72-1	N.D.	41	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	21	41	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887214  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C717-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS Semivolatiles SW-846 8270C</b>						
10727	2-Methylnaphthalene	91-57-6	N.D.	4 ug/kg	21 ug/kg	1
10727	2-Methylphenol	95-48-7	N.D.	21 ug/kg	41 ug/kg	1
10727	4-Methylphenol	106-44-5	N.D.	21 ug/kg	41 ug/kg	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4 ug/kg	21 ug/kg	1
10727	2-Nitroaniline	88-74-4	N.D.	21 ug/kg	41 ug/kg	1
10727	3-Nitroaniline	99-09-2	N.D.	83 ug/kg	210 ug/kg	1
10727	4-Nitroaniline	100-01-6	N.D.	83 ug/kg	210 ug/kg	1
10727	Nitrobenzene	98-95-3	N.D.	21 ug/kg	41 ug/kg	1
10727	2-Nitrophenol	88-75-5	N.D.	21 ug/kg	41 ug/kg	1
10727	4-Nitrophenol	100-02-7	N.D.	210 ug/kg	620 ug/kg	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21 ug/kg	41 ug/kg	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21 ug/kg	41 ug/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	83 ug/kg	210 ug/kg	1
10727	Pentachlorophenol	87-86-5	N.D.	41 ug/kg	210 ug/kg	1
10727	Phenanthrene	85-01-8	N.D.	4 ug/kg	21 ug/kg	1
10727	Phenol	108-95-2	N.D.	21 ug/kg	41 ug/kg	1
10727	Pyrene	129-00-0	N.D.	4 ug/kg	21 ug/kg	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21 ug/kg	41 ug/kg	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21 ug/kg	41 ug/kg	1
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.0 mg/kg	15 mg/kg	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.0 mg/kg	15 mg/kg	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.0 mg/kg	15 mg/kg	1
<b>Metals SW-846 6010B</b>						
06944	Antimony	7440-36-0	1.34 J	0.660 mg/kg	1.89 mg/kg	1
06935	Arsenic	7440-38-2	11.2	0.915 mg/kg	1.89 mg/kg	1
06946	Barium	7440-39-3	271	0.0311 mg/kg	0.472 mg/kg	1
06947	Beryllium	7440-41-7	0.888	0.0632 mg/kg	0.472 mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0462 mg/kg	0.472 mg/kg	1
06951	Chromium	7440-47-3	63.8	0.132 mg/kg	1.42 mg/kg	1
06952	Cobalt	7440-48-4	11.9	0.113 mg/kg	0.472 mg/kg	1
06953	Copper	7440-50-8	28.4	0.217 mg/kg	0.943 mg/kg	1
06955	Lead	7439-92-1	8.18	0.519 mg/kg	1.42 mg/kg	1
06960	Molybdenum	7439-98-7	2.19	0.160 mg/kg	0.943 mg/kg	1
06961	Nickel	7440-02-0	49.8	0.283 mg/kg	0.943 mg/kg	1
06936	Selenium	7782-49-2	2.89	0.849 mg/kg	1.89 mg/kg	1
06966	Silver	7440-22-4	N.D.	0.142 mg/kg	0.472 mg/kg	1
06925	Thallium	7440-28-0	3.17	0.774 mg/kg	2.83 mg/kg	1
06971	Vanadium	7440-62-2	83.1	0.132 mg/kg	0.472 mg/kg	1
06972	Zinc	7440-66-6	90.0	0.642 mg/kg	1.89 mg/kg	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887214  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:29 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C717-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0467 J	0.0125	0.125	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	20.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 12:39	Jennifer K Howe	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:46	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 03:30	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/27/2017 14:33	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:06	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887214  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C717-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017	23:06	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017	07:03	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017	23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017	03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017	22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887218  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C718-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	24	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	12	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	53	130	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	12	1
10237	2-Hexanone	591-78-6	N.D.	4	12	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887218  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C718-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	79	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	79	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	79	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	79	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	39	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	79	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	79	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	590	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	79	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	79	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	590	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887218  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C718-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	20	40	1
10727	4-Methylphenol	106-44-5	N.D.	20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	20	40	1
10727	3-Nitroaniline	99-09-2	N.D.	79	200	1
10727	4-Nitroaniline	100-01-6	N.D.	79	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	40	1
10727	2-Nitrophenol	88-75-5	N.D.	20	40	1
10727	4-Nitrophenol	100-02-7	N.D.	200	590	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	40	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	79	200	1
10727	Pentachlorophenol	87-86-5	N.D.	40	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	20	40	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.8	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.8	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.8	14	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	1.85 J	0.697	1.99	1
06935	Arsenic	7440-38-2	9.07	0.966	1.99	1
06946	Barium	7440-39-3	199	0.0329	0.498	1
06947	Beryllium	7440-41-7	0.694	0.0667	0.498	1
06949	Cadmium	7440-43-9	0.121 J	0.0488	0.498	1
06951	Chromium	7440-47-3	80.5	0.139	1.49	1
06952	Cobalt	7440-48-4	12.4	0.119	0.498	1
06953	Copper	7440-50-8	17.4	0.229	0.996	1
06955	Lead	7439-92-1	4.36	0.548	1.49	1
06960	Molybdenum	7439-98-7	2.93	0.169	0.996	1
06961	Nickel	7440-02-0	62.6	0.299	0.996	1
06936	Selenium	7782-49-2	4.24	0.896	1.99	1
06966	Silver	7440-22-4	0.206 J	0.149	0.498	1
06925	Thallium	7440-28-0	4.11	0.816	2.99	1
06971	Vanadium	7440-62-2	95.1	0.139	0.498	1
06972	Zinc	7440-66-6	85.1	0.677	1.99	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887218  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:38 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C718-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0344 J	0.0113	0.113	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	17.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 13:02	Jennifer K Howe	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:39	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 03:57	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/27/2017 14:54	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:11	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887218  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C718-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017	23:11	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017	07:05	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017	23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017	03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017	22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887222  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C719-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	2	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	51	130	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	2	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	2	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	N.D.	2	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887222  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C719-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887222  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C719-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	N.D.	0.749	2.14	1
06935	Arsenic	7440-38-2	3.64	1.04	2.14	1
06946	Barium	7440-39-3	84.6	0.0353	0.535	1
06947	Beryllium	7440-41-7	0.301 J	0.0717	0.535	1
06949	Cadmium	7440-43-9	N.D.	0.0525	0.535	1
06951	Chromium	7440-47-3	29.7	0.150	1.61	1
06952	Cobalt	7440-48-4	4.19	0.128	0.535	1
06953	Copper	7440-50-8	12.1	0.246	1.07	1
06955	Lead	7439-92-1	2.69	0.589	1.61	1
06960	Molybdenum	7439-98-7	1.30	0.182	1.07	1
06961	Nickel	7440-02-0	24.6	0.321	1.07	1
06936	Selenium	7782-49-2	1.96 J	0.963	2.14	1
06966	Silver	7440-22-4	N.D.	0.161	0.535	1
06925	Thallium	7440-28-0	0.909 J	0.878	3.21	1
06971	Vanadium	7440-62-2	30.2	0.150	0.535	1
06972	Zinc	7440-66-6	38.4	0.728	2.14	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887222  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C719-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0977 J	0.0112	0.112	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	13.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 13:24	Jennifer K Howe	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:33	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 04:24	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/27/2017 15:16	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887222  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C719-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:14	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:08	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003A	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887226  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C71W-

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	N.D.	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887226  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C71W-

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	400	45	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	380	45	100	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.165	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00083 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0062	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.0298	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0211	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	N.D.	0.0016	0.0050	1
07072	Zinc	7440-66-6	0.0065 J	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

### Sample Comments

CA ELAP Lab Certification No. 2792  
Trip blank vials were not received by the laboratory for this sample group.  
All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170831AA	03/24/2017 13:21	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170831AA	03/24/2017 13:21	Nicole S Lamoreaux	1
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170770015A	03/22/2017 01:31	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170770015A	03/20/2017 08:00	Kayla A Yuditsky	1
07044	Antimony	SW-846 6010B	1	170821848001	03/27/2017 10:07	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	170821848001	03/27/2017 10:07	Eric L Eby	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887226  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C71W-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07046	Barium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07047	Beryllium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07052	Cobalt	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07053	Copper	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07055	Lead	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07060	Molybdenum	SW-846 6010B	1	170821848001	03/29/2017	14:36	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07066	Silver	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07022	Thallium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	170821848001	03/27/2017	10:07	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	170955713001	04/06/2017	10:02	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170821848001	03/23/2017	23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170825713005	03/24/2017	01:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	170955713001	04/05/2017	18:30	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C721-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	1.02
10237	Benzene	71-43-2	N.D.	0.5	5	1.02
10237	Bromodichloromethane	75-27-4	N.D.	1	5	1.02
10237	Bromoform	75-25-2	N.D.	1	5	1.02
10237	Bromomethane	74-83-9	N.D.	2	5	1.02
10237	2-Butanone	78-93-3	N.D.	4	11	1.02
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	1.02
10237	Carbon Disulfide	75-15-0	N.D.	1	5	1.02
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	1.02
10237	Chlorobenzene	108-90-7	N.D.	1	5	1.02
10237	Chloroethane	75-00-3	N.D.	2	5	1.02
10237	Chloroform	67-66-3	N.D.	1	5	1.02
10237	Chloromethane	74-87-3	N.D.	2	5	1.02
10237	Cyclohexane	110-82-7	N.D.	1	5	1.02
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1.02
10237	Dibromochloromethane	124-48-1	N.D.	1	5	1.02
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	1.02
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1.02
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1.02
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1.02
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	1.02
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	1.02
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	1.02
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	1.02
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	1.02
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	1.02
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	1.02
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	1.02
10237	Ethylbenzene	100-41-4	N.D.	1	5	1.02
10237	Freon 113	76-13-1	N.D.	2	11	1.02
10237	2-Hexanone	591-78-6	N.D.	3	11	1.02
10237	Isopropylbenzene	98-82-8	N.D.	1	5	1.02
10237	Methyl Acetate	79-20-9	N.D.	2	5	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	1.02
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1.02
10237	Methylcyclohexane	108-87-2	N.D.	1	5	1.02
10237	Methylene Chloride	75-09-2	N.D.	2	5	1.02
10237	Styrene	100-42-5	N.D.	1	5	1.02
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	1.02
10237	Tetrachloroethene	127-18-4	N.D.	1	5	1.02
10237	Toluene	108-88-3	N.D.	1	5	1.02
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1.02
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	1.02
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	1.02
10237	Trichloroethene	79-01-6	N.D.	1	5	1.02
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	1.02
10237	Vinyl Chloride	75-01-4	N.D.	1	5	1.02
10237	Xylene (Total)	1330-20-7	N.D.	1	5	1.02

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C721-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	ug/kg	ug/kg	ug/kg	
10727	Acenaphthene	83-32-9	N.D.	4	18	1
10727	Acenaphthylene	208-96-8	N.D.	4	18	1
10727	Acetophenone	98-86-2	N.D.	18	36	1
10727	Anthracene	120-12-7	N.D.	4	18	1
10727	Atrazine	1912-24-9	N.D.	36	180	1
10727	Benzaldehyde	100-52-7	N.D.	71	180	1
10727	Benzo(a)anthracene	56-55-3	9 J	4	18	1
10727	Benzo(a)pyrene	50-32-8	14 J	4	18	1
10727	Benzo(b)fluoranthene	205-99-2	36	4	18	1
10727	Benzo(g,h,i)perylene	191-24-2	26	4	18	1
10727	Benzo(k)fluoranthene	207-08-9	8 J	4	18	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	36	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	36	1
10727	Butylbenzylphthalate	85-68-7	N.D.	71	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	71	180	1
10727	Caprolactam	105-60-2	N.D.	36	180	1
10727	Carbazole	86-74-8	N.D.	18	36	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	36	1
10727	4-Chloroaniline	106-47-8	N.D.	36	71	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	36	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	36	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	35	1
10727	2-Chlorophenol	95-57-8	N.D.	18	36	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	36	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	36	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	28	4	18	1
10727	Dibenz(a,h)anthracene	53-70-3	6 J	4	18	1
10727	Dibenzofuran	132-64-9	N.D.	18	36	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	360	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	36	1
10727	Diethylphthalate	84-66-2	N.D.	71	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	36	1
10727	Dimethylphthalate	131-11-3	N.D.	71	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	530	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	320	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	71	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	36	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	71	180	1
10727	Fluoranthene	206-44-0	13 J	4	18	1
10727	Fluorene	86-73-7	N.D.	4	18	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	18	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	36	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	530	1
10727	Hexachloroethane	67-72-1	N.D.	36	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	20	4	18	1
10727	Isophorone	78-59-1	N.D.	18	36	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C721-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	12 J	4	18	1
10727	2-Methylphenol	95-48-7	N.D.	18	36	1
10727	4-Methylphenol	106-44-5	N.D.	18	36	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	10 J	4	18	1
10727	2-Nitroaniline	88-74-4	N.D.	18	36	1
10727	3-Nitroaniline	99-09-2	N.D.	71	180	1
10727	4-Nitroaniline	100-01-6	N.D.	71	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	36	1
10727	2-Nitrophenol	88-75-5	N.D.	18	36	1
10727	4-Nitrophenol	100-02-7	N.D.	180	530	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	36	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	36	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	71	180	1
10727	Pentachlorophenol	87-86-5	N.D.	36	180	1
10727	Phenanthrene	85-01-8	21	4	18	1
10727	Phenol	108-95-2	N.D.	18	36	1
10727	Pyrene	129-00-0	15 J	4	18	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	36	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	36	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.18	0.89	1
10738	Alpha BHC	319-84-6	N.D.	0.18	0.89	1
10738	Beta BHC	319-85-7	N.D.	0.32	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.18	0.89	1
10738	Alpha Chlordane	5103-71-9	0.25 J	0.18	0.89	1
10738	Gamma Chlordane	5103-74-2	0.23 J	0.18	0.89	1
10738	p,p-DDD	72-54-8	N.D.	0.35	1.8	1
10738	p,p-DDE	72-55-9	0.82 J	0.35	1.8	1
10738	p,p-DDT	50-29-3	1.6 J	0.37	1.8	1
10738	Delta BHC	319-86-8	N.D.	0.48	0.96	1
10738	Dieldrin	60-57-1	0.51 J	0.35	1.8	1
10738	Endosulfan I	959-98-8	N.D.	0.23	0.89	1
10738	Endosulfan II	33213-65-9	N.D.	0.35	1.8	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.35	1.8	1
10738	Endrin	72-20-8	N.D.	0.35	1.8	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.35	1.8	1
10738	Endrin Ketone	53494-70-5	N.D.	0.64	1.9	1
10738	Heptachlor	76-44-8	N.D.	0.18	0.89	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.18	0.89	1
10738	Methoxychlor	72-43-5	N.D.	1.8	7.2	1
10738	Toxaphene	8001-35-2	N.D.	15	35	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C721-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
		<b>SW-846 8082</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	3.8	18	1
10736	PCB-1221	11104-28-2	N.D.	4.9	18	1
10736	PCB-1232	11141-16-5	N.D.	8.5	18	1
10736	PCB-1242	53469-21-9	N.D.	3.5	18	1
10736	PCB-1248	12672-29-6	N.D.	3.5	18	1
10736	PCB-1254	11097-69-1	N.D.	3.5	18	1
10736	PCB-1260	11096-82-5	N.D.	5.2	18	1
10736	Total PCBs	1336-36-3	N.D.	3.5	18	1

**GC Petroleum** **SW-846 8015B modified** **mg/kg**

**Hydrocarbons w/Si**

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
00071	C13-C22 w/Si Gel	n.a.	15	4.3	13	1
00071	C23-C40 w/Si Gel	n.a.	230	4.3	13	1
00071	Total TPH w/Si Gel	n.a.	250	4.3	13	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary.  
The client was contacted and the data reported.

**Metals** **SW-846 6010B** **mg/kg**

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
06944	Antimony	7440-36-0	N.D.	0.527	1.51	1
06935	Arsenic	7440-38-2	3.42	0.731	1.51	1
06946	Barium	7440-39-3	820	0.124	1.88	5
06947	Beryllium	7440-41-7	N.D.	0.0505	0.377	1
06949	Cadmium	7440-43-9	0.401	0.0369	0.377	1
06951	Chromium	7440-47-3	34.9	0.105	1.13	1
06952	Cobalt	7440-48-4	7.17	0.0904	0.377	1
06953	Copper	7440-50-8	19.0	0.173	0.754	1
06955	Lead	7439-92-1	70.3	0.414	1.13	1
06960	Molybdenum	7439-98-7	0.469 J	0.128	0.754	1
06961	Nickel	7440-02-0	30.4	0.226	0.754	1
06936	Selenium	7782-49-2	1.27 J	0.678	1.51	1
06966	Silver	7440-22-4	N.D.	0.565	1.88	5

Reporting limits for metals were raised due to interference from the sample matrix.

06925	Thallium	7440-28-0	2.06 J	0.618	2.26	1
06971	Vanadium	7440-62-2	36.6	0.105	0.377	1
06972	Zinc	7440-66-6	95.9	0.512	1.51	1

**SW-846 7471A** **mg/kg**

00159	Mercury	7439-97-6	0.756	0.0108	0.108	1
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**Wet Chemistry** **SM 2540 G-1997** **%**

00111	Moisture	n.a.	7.2	0.50	0.50	1
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Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C721-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 13:47	Jennifer K Howe	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:05	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 04:51	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 14:32	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 16:22	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 10:28	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/23/2017 01:01	Elaine F Stoltzfus	5
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887227  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C721-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/23/2017 01:01	Elaine F Stoltzfus	5
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:18	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:10	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-2-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8887230  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.103 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	N.D.	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170895705004	04/05/2017 07:24	Joanne M Gates	1.04
07055	Lead	SW-846 6010B	1	170895705004	04/05/2017 07:24	Joanne M Gates	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170895705004	04/04/2017 16:54	Barbara A Kane	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C722-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	7	21	0.99
10237	Benzene	71-43-2	N.D.	0.5	5	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.99
10237	Bromoform	75-25-2	N.D.	1	5	0.99
10237	Bromomethane	74-83-9	N.D.	2	5	0.99
10237	2-Butanone	78-93-3	N.D.	4	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	47	120	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.99
10237	Chloroethane	75-00-3	N.D.	2	5	0.99
10237	Chloroform	67-66-3	N.D.	1	5	0.99
10237	Chloromethane	74-87-3	N.D.	2	5	0.99
10237	Cyclohexane	110-82-7	N.D.	1	5	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.99
10237	Methylene Chloride	75-09-2	N.D.	2	5	0.99
10237	Styrene	100-42-5	N.D.	1	5	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.99
10237	Toluene	108-88-3	N.D.	1	5	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.99
10237	Trichloroethene	79-01-6	N.D.	1	5	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.99

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C722-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	18	1
10727	Acenaphthylene	208-96-8	N.D.	4	18	1
10727	Acetophenone	98-86-2	N.D.	18	36	1
10727	Anthracene	120-12-7	N.D.	4	18	1
10727	Atrazine	1912-24-9	N.D.	36	180	1
10727	Benzaldehyde	100-52-7	N.D.	71	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	18	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	18	1
10727	Benzo(b)fluoranthene	205-99-2	5 J	4	18	1
10727	Benzo(g,h,i)perylene	191-24-2	6 J	4	18	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	18	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	36	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	36	1
10727	Butylbenzylphthalate	85-68-7	N.D.	71	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	71	180	1
10727	Caprolactam	105-60-2	N.D.	36	180	1
10727	Carbazole	86-74-8	N.D.	18	36	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	36	1
10727	4-Chloroaniline	106-47-8	N.D.	36	71	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	36	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	36	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	35	1
10727	2-Chlorophenol	95-57-8	N.D.	18	36	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	36	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	36	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	4 J	4	18	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	18	1
10727	Dibenzofuran	132-64-9	N.D.	18	36	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	360	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	36	1
10727	Diethylphthalate	84-66-2	N.D.	71	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	36	1
10727	Dimethylphthalate	131-11-3	N.D.	71	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	530	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	320	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	71	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	36	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	71	180	1
10727	Fluoranthene	206-44-0	4 J	4	18	1
10727	Fluorene	86-73-7	N.D.	4	18	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	18	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	36	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	530	1
10727	Hexachloroethane	67-72-1	N.D.	36	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	18	1
10727	Isophorone	78-59-1	N.D.	18	36	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C722-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	18	1
10727	2-Methylphenol	95-48-7	N.D.	18	36	1
10727	4-Methylphenol	106-44-5	N.D.	18	36	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	18	1
10727	2-Nitroaniline	88-74-4	N.D.	18	36	1
10727	3-Nitroaniline	99-09-2	N.D.	71	180	1
10727	4-Nitroaniline	100-01-6	N.D.	71	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	36	1
10727	2-Nitrophenol	88-75-5	N.D.	18	36	1
10727	4-Nitrophenol	100-02-7	N.D.	180	530	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	36	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	36	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	71	180	1
10727	Pentachlorophenol	87-86-5	N.D.	36	180	1
10727	Phenanthrene	85-01-8	30	4	18	1
10727	Phenol	108-95-2	N.D.	18	36	1
10727	Pyrene	129-00-0	5 J	4	18	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	36	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	36	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.18	0.88	1
10738	Alpha BHC	319-84-6	N.D.	0.18	0.88	1
10738	Beta BHC	319-85-7	N.D.	0.32	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.18	0.88	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.18	0.88	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.18	0.88	1
10738	p,p-DDD	72-54-8	N.D.	0.35	1.8	1
10738	p,p-DDE	72-55-9	N.D.	0.35	1.8	1
10738	p,p-DDT	50-29-3	N.D.	0.37	1.8	1
10738	Delta BHC	319-86-8	N.D.	0.48	0.95	1
10738	Dieldrin	60-57-1	N.D.	0.35	1.8	1
10738	Endosulfan I	959-98-8	N.D.	0.23	0.88	1
10738	Endosulfan II	33213-65-9	N.D.	0.35	1.8	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.35	1.8	1
10738	Endrin	72-20-8	N.D.	0.35	1.8	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.35	1.8	1
10738	Endrin Ketone	53494-70-5	N.D.	0.64	1.9	1
10738	Heptachlor	76-44-8	N.D.	0.18	0.88	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.18	0.88	1
10738	Methoxychlor	72-43-5	N.D.	1.8	7.1	1
10738	Toxaphene	8001-35-2	N.D.	15	35	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C722-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
	<b>SW-846 8082</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	3.8	18	1
10736	PCB-1221	11104-28-2	N.D.	4.9	18	1
10736	PCB-1232	11141-16-5	N.D.	8.5	18	1
10736	PCB-1242	53469-21-9	N.D.	3.5	18	1
10736	PCB-1248	12672-29-6	N.D.	3.5	18	1
10736	PCB-1254	11097-69-1	N.D.	3.5	18	1
10736	PCB-1260	11096-82-5	N.D.	5.2	18	1
10736	Total PCBs	1336-36-3	N.D.	3.5	18	1
<b>GC Petroleum</b>						
	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.3	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.3	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.3	13	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.49 J	0.613	1.75	1
06935	Arsenic	7440-38-2	7.84	0.850	1.75	1
06946	Barium	7440-39-3	203	0.0289	0.438	1
06947	Beryllium	7440-41-7	0.780	0.0587	0.438	1
06949	Cadmium	7440-43-9	N.D.	0.0429	0.438	1
06951	Chromium	7440-47-3	79.8	0.123	1.31	1
06952	Cobalt	7440-48-4	11.8	0.105	0.438	1
06953	Copper	7440-50-8	22.4	0.201	0.876	1
06955	Lead	7439-92-1	5.73	0.482	1.31	1
06960	Molybdenum	7439-98-7	2.23	0.149	0.876	1
06961	Nickel	7440-02-0	55.3	0.263	0.876	1
06936	Selenium	7782-49-2	3.39	0.788	1.75	1
06966	Silver	7440-22-4	N.D.	0.131	0.438	1
06925	Thallium	7440-28-0	3.52	0.718	2.63	1
06971	Vanadium	7440-62-2	90.4	0.123	0.438	1
06972	Zinc	7440-66-6	70.9	0.596	1.75	1
	<b>SW-846 7471A</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0267 J	0.0108	0.108	1
<b>Wet Chemistry</b>						
	<b>SM 2540 G-1997</b>		<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	7.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C722-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 14:09	Jennifer K Howe	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:14	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17077SLA026	03/21/2017 05:18	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17077SLA026	03/20/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 14:46	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 16:34	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 09:45	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887231  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C722-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:22	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:13	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887235  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C723-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.99
10237	Benzene	71-43-2	N.D.	0.5	5	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.99
10237	Bromoform	75-25-2	N.D.	1	5	0.99
10237	Bromomethane	74-83-9	N.D.	2	5	0.99
10237	2-Butanone	78-93-3	N.D.	4	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.99
10237	Chloroethane	75-00-3	N.D.	2	5	0.99
10237	Chloroform	67-66-3	N.D.	1	5	0.99
10237	Chloromethane	74-87-3	N.D.	2	5	0.99
10237	Cyclohexane	110-82-7	N.D.	1	5	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.99
10237	Methylene Chloride	75-09-2	N.D.	2	5	0.99
10237	Styrene	100-42-5	N.D.	1	5	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.99
10237	Toluene	108-88-3	N.D.	1	5	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.99
10237	Trichloroethene	79-01-6	N.D.	1	5	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.99

\*=This limit was used in the evaluation of the final result



Sample Description: C7-2-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887235  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C723-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	36	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	36	180	1
10727	Benzaldehyde	100-52-7	N.D.	73	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	4 J	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	36	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	36	1
10727	Butylbenzylphthalate	85-68-7	N.D.	73	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	73	180	1
10727	Caprolactam	105-60-2	N.D.	36	180	1
10727	Carbazole	86-74-8	N.D.	18	36	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	36	1
10727	4-Chloroaniline	106-47-8	N.D.	36	73	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	36	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	36	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	36	1
10727	2-Chlorophenol	95-57-8	N.D.	18	36	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	36	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	36	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	4 J	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	36	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	360	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	36	1
10727	Diethylphthalate	84-66-2	N.D.	73	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	36	1
10727	Dimethylphthalate	131-11-3	N.D.	73	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	73	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	36	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	73	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	36	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1
10727	Hexachloroethane	67-72-1	N.D.	36	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	18	36	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887235  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C723-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS Semivolatiles SW-846 8270C</b>						
10727	2-Methylnaphthalene	91-57-6	N.D.	4 ug/kg	19 ug/kg	1
10727	2-Methylphenol	95-48-7	N.D.	18 ug/kg	36 ug/kg	1
10727	4-Methylphenol	106-44-5	N.D.	18 ug/kg	36 ug/kg	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4 ug/kg	19 ug/kg	1
10727	2-Nitroaniline	88-74-4	N.D.	18 ug/kg	36 ug/kg	1
10727	3-Nitroaniline	99-09-2	N.D.	73 ug/kg	180 ug/kg	1
10727	4-Nitroaniline	100-01-6	N.D.	73 ug/kg	180 ug/kg	1
10727	Nitrobenzene	98-95-3	N.D.	18 ug/kg	36 ug/kg	1
10727	2-Nitrophenol	88-75-5	N.D.	18 ug/kg	36 ug/kg	1
10727	4-Nitrophenol	100-02-7	N.D.	180 ug/kg	550 ug/kg	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18 ug/kg	36 ug/kg	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18 ug/kg	36 ug/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	73 ug/kg	180 ug/kg	1
10727	Pentachlorophenol	87-86-5	N.D.	36 ug/kg	190 ug/kg	1
10727	Phenanthrene	85-01-8	N.D.	4 ug/kg	19 ug/kg	1
10727	Phenol	108-95-2	N.D.	18 ug/kg	36 ug/kg	1
10727	Pyrene	129-00-0	N.D.	4 ug/kg	19 ug/kg	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18 ug/kg	36 ug/kg	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18 ug/kg	36 ug/kg	1
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4 mg/kg	13 mg/kg	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4 mg/kg	13 mg/kg	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4 mg/kg	13 mg/kg	1
<b>Metals SW-846 6010B</b>						
06944	Antimony	7440-36-0	1.14 J	0.723 mg/kg	2.07 mg/kg	1
06935	Arsenic	7440-38-2	8.12	1.00 mg/kg	2.07 mg/kg	1
06946	Barium	7440-39-3	165	0.0341 mg/kg	0.517 mg/kg	1
06947	Beryllium	7440-41-7	0.701	0.0692 mg/kg	0.517 mg/kg	1
06949	Cadmium	7440-43-9	0.218 J	0.0506 mg/kg	0.517 mg/kg	1
06951	Chromium	7440-47-3	77.6	0.145 mg/kg	1.55 mg/kg	1
06952	Cobalt	7440-48-4	10.3	0.124 mg/kg	0.517 mg/kg	1
06953	Copper	7440-50-8	22.0	0.238 mg/kg	1.03 mg/kg	1
06955	Lead	7439-92-1	4.31	0.568 mg/kg	1.55 mg/kg	1
06960	Molybdenum	7439-98-7	3.21	0.176 mg/kg	1.03 mg/kg	1
06961	Nickel	7440-02-0	57.0	0.310 mg/kg	1.03 mg/kg	1
06936	Selenium	7782-49-2	3.40	0.930 mg/kg	2.07 mg/kg	1
06966	Silver	7440-22-4	N.D.	0.155 mg/kg	0.517 mg/kg	1
06925	Thallium	7440-28-0	3.15	0.847 mg/kg	3.10 mg/kg	1
06971	Vanadium	7440-62-2	78.5	0.145 mg/kg	0.517 mg/kg	1
06972	Zinc	7440-66-6	70.7	0.703 mg/kg	2.07 mg/kg	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887235  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:10 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C723-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0390 J	0.0104	0.104	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	8.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 14:32	Jennifer K Howe	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 12:24	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/22/2017 22:45	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170870027A	03/31/2017 12:21	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170870027A	03/28/2017 19:30	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887235  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:10 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C723-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:26	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:15	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C724-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	2	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	11	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	2	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	2	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	2	11	1.01
10237	2-Hexanone	591-78-6	N.D.	3	11	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	N.D.	2	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C724-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	190	1
10727	Benzaldehyde	100-52-7	N.D.	74	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	74	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	74	190	1
10727	Caprolactam	105-60-2	N.D.	37	190	1
10727	Carbazole	86-74-8	N.D.	19	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	74	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	37	1
10727	Diethylphthalate	84-66-2	N.D.	74	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	37	1
10727	Dimethylphthalate	131-11-3	N.D.	74	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	74	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	74	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1
10727	Hexachloroethane	67-72-1	N.D.	37	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	37	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C724-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	37	1
10727	4-Methylphenol	106-44-5	N.D.	19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	37	1
10727	3-Nitroaniline	99-09-2	N.D.	74	190	1
10727	4-Nitroaniline	100-01-6	N.D.	74	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	37	1
10727	2-Nitrophenol	88-75-5	N.D.	19	37	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	74	190	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	37	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.92	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.92	1
10738	Beta BHC	319-85-7	N.D.	0.33	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.92	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.92	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.92	1
10738	p,p-DDD	72-54-8	N.D.	0.37	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.37	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.39	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.50	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.37	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.24	0.92	1
10738	Endosulfan II	33213-65-9	N.D.	0.37	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.37	1.9	1
10738	Endrin	72-20-8	N.D.	0.37	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.37	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.67	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.92	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.92	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.5	1
10738	Toxaphene	8001-35-2	N.D.	16	37	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C724-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
		<b>SW-846 8082</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	4.0	19	1
10736	PCB-1221	11104-28-2	N.D.	5.1	19	1
10736	PCB-1232	11141-16-5	N.D.	8.9	19	1
10736	PCB-1242	53469-21-9	N.D.	3.7	19	1
10736	PCB-1248	12672-29-6	N.D.	3.7	19	1
10736	PCB-1254	11097-69-1	N.D.	3.7	19	1
10736	PCB-1260	11096-82-5	N.D.	5.4	19	1
10736	Total PCBs	1336-36-3	N.D.	3.7	19	1
<b>GC Petroleum</b>						
		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	0.978 J	0.567	1.62	1
06935	Arsenic	7440-38-2	2.47	0.786	1.62	1
06946	Barium	7440-39-3	299	0.0267	0.405	1
06947	Beryllium	7440-41-7	0.629	0.0543	0.405	1
06949	Cadmium	7440-43-9	N.D.	0.0397	0.405	1
06951	Chromium	7440-47-3	60.4	0.113	1.22	1
06952	Cobalt	7440-48-4	5.67	0.0973	0.405	1
06953	Copper	7440-50-8	15.7	0.186	0.811	1
06955	Lead	7439-92-1	5.10	0.446	1.22	1
06960	Molybdenum	7439-98-7	N.D.	0.138	0.811	1
06961	Nickel	7440-02-0	29.0	0.243	0.811	1
06936	Selenium	7782-49-2	1.76	0.730	1.62	1
06966	Silver	7440-22-4	N.D.	0.122	0.405	1
06925	Thallium	7440-28-0	1.69 J	0.665	2.43	1
06971	Vanadium	7440-62-2	52.0	0.113	0.405	1
06972	Zinc	7440-66-6	68.7	0.551	1.62	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.141	0.0103	0.103	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	10.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result



Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C724-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 14:54	Jennifer K Howe	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:58	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/22/2017 23:11	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 14:59	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 16:45	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/27/2017 15:59	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887239  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C724-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:37	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:18	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887243  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C725-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	24	1.02
10237	Benzene	71-43-2	N.D.	0.6	6	1.02
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.02
10237	Bromoform	75-25-2	N.D.	1	6	1.02
10237	Bromomethane	74-83-9	N.D.	2	6	1.02
10237	2-Butanone	78-93-3	N.D.	5	12	1.02
10237	C6-C10-TPH-GRO	n.a.	N.D.	53	130	1.02
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.02
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.02
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.02
10237	Chloroethane	75-00-3	N.D.	2	6	1.02
10237	Chloroform	67-66-3	N.D.	1	6	1.02
10237	Chloromethane	74-87-3	N.D.	2	6	1.02
10237	Cyclohexane	110-82-7	N.D.	1	6	1.02
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.02
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.02
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.02
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.02
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.02
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.02
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.02
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.02
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.02
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.02
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.02
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.02
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.02
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.02
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.02
10237	Freon 113	76-13-1	N.D.	2	12	1.02
10237	2-Hexanone	591-78-6	N.D.	4	12	1.02
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.02
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.02
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1.02
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.02
10237	Methylene Chloride	75-09-2	N.D.	2	6	1.02
10237	Styrene	100-42-5	N.D.	1	6	1.02
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.02
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.02
10237	Toluene	108-88-3	N.D.	1	6	1.02
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.02
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.02
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.02
10237	Trichloroethene	79-01-6	N.D.	1	6	1.02
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.02
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.02
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.02

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887243  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C725-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	ug/kg	ug/kg	ug/kg	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	20	39	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	39	200	1
10727	Benzaldehyde	100-52-7	N.D.	78	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	39	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	39	1
10727	Butylbenzylphthalate	85-68-7	N.D.	78	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	78	200	1
10727	Caprolactam	105-60-2	N.D.	39	200	1
10727	Carbazole	86-74-8	N.D.	20	39	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	39	1
10727	4-Chloroaniline	106-47-8	N.D.	39	78	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	39	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	39	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	39	1
10727	2-Chlorophenol	95-57-8	N.D.	20	39	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	39	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	20	39	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	390	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	39	1
10727	Diethylphthalate	84-66-2	N.D.	78	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	39	1
10727	Dimethylphthalate	131-11-3	N.D.	78	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	590	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	78	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	39	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	78	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	39	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	590	1
10727	Hexachloroethane	67-72-1	N.D.	39	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	20	39	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887243  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C725-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	20	39	1
10727	4-Methylphenol	106-44-5	N.D.	20	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	20	39	1
10727	3-Nitroaniline	99-09-2	N.D.	78	200	1
10727	4-Nitroaniline	100-01-6	N.D.	78	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	39	1
10727	2-Nitrophenol	88-75-5	N.D.	20	39	1
10727	4-Nitrophenol	100-02-7	N.D.	200	590	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	39	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	78	200	1
10727	Pentachlorophenol	87-86-5	N.D.	39	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	20	39	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	39	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	39	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.7	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.7	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.7	14	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	0.796 J	0.596	1.70	1
06935	Arsenic	7440-38-2	3.47	0.826	1.70	1
06946	Barium	7440-39-3	195	0.0281	0.426	1
06947	Beryllium	7440-41-7	0.707	0.0571	0.426	1
06949	Cadmium	7440-43-9	0.0886 J	0.0417	0.426	1
06951	Chromium	7440-47-3	51.0	0.119	1.28	1
06952	Cobalt	7440-48-4	4.98	0.102	0.426	1
06953	Copper	7440-50-8	18.4	0.196	0.852	1
06955	Lead	7439-92-1	4.57	0.468	1.28	1
06960	Molybdenum	7439-98-7	0.339 J	0.145	0.852	1
06961	Nickel	7440-02-0	50.8	0.255	0.852	1
06936	Selenium	7782-49-2	1.31 J	0.766	1.70	1
06966	Silver	7440-22-4	N.D.	0.639	2.13	5
	Reporting limits for metals were raised due to interference from the sample matrix.					
06925	Thallium	7440-28-0	1.30 J	0.698	2.55	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887243  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C725-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
06971	Vanadium	SW-846 6010B 7440-62-2	mg/kg 40.6	mg/kg 0.119	mg/kg 0.426	1
06972	Zinc	7440-66-6	60.3	0.579	1.70	1
<b>SW-846 7471A</b>						
00159	Mercury	7439-97-6	0.0664 J	0.0116	0.116	1
<b>Wet Chemistry</b>						
00111	Moisture	SM 2540 G-1997 n.a.	% 14.9	% 0.50	% 0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 15:17	Jennifer K Howe	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:48	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/22/2017 23:36	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 03:18	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887243  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C725-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/23/2017 01:04	Elaine F Stoltzfus	5
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:41	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:25	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C726-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	0.97
10237	Benzene	71-43-2	N.D.	0.6	6	0.97
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.97
10237	Bromoform	75-25-2	N.D.	1	6	0.97
10237	Bromomethane	74-83-9	N.D.	2	6	0.97
10237	2-Butanone	78-93-3	N.D.	5	12	0.97
10237	C6-C10-TPH-GRO	n.a.	N.D.	55	140	0.97
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.97
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.97
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.97
10237	Chloroethane	75-00-3	N.D.	2	6	0.97
10237	Chloroform	67-66-3	N.D.	1	6	0.97
10237	Chloromethane	74-87-3	N.D.	2	6	0.97
10237	Cyclohexane	110-82-7	N.D.	1	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.97
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.97
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.97
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.97
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.97
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.97
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.97
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.97
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.97
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.97
10237	Freon 113	76-13-1	N.D.	2	12	0.97
10237	2-Hexanone	591-78-6	N.D.	4	12	0.97
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.97
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	0.97
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.97
10237	Methylene Chloride	75-09-2	4	2	6	0.97
10237	Styrene	100-42-5	N.D.	1	6	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.97
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.97
10237	Toluene	108-88-3	N.D.	1	6	0.97
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.97
10237	Trichloroethene	79-01-6	N.D.	1	6	0.97
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.97
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.97
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.97

\*=This limit was used in the evaluation of the final result



Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C726-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	21	42	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	42	210	1
10727	Benzaldehyde	100-52-7	N.D.	85	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	42	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	42	1
10727	Butylbenzylphthalate	85-68-7	N.D.	85	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	85	210	1
10727	Caprolactam	105-60-2	N.D.	42	210	1
10727	Carbazole	86-74-8	N.D.	21	42	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	42	1
10727	4-Chloroaniline	106-47-8	N.D.	42	85	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	42	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	42	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	42	1
10727	2-Chlorophenol	95-57-8	N.D.	21	42	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	42	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	21	42	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	420	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	42	1
10727	Diethylphthalate	84-66-2	N.D.	85	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	42	1
10727	Dimethylphthalate	131-11-3	N.D.	85	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	630	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	380	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	85	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	42	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	85	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	42	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	630	1
10727	Hexachloroethane	67-72-1	N.D.	42	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	21	42	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C726-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	21	42	1
10727	4-Methylphenol	106-44-5	N.D.	21	42	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	13 J	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	21	42	1
10727	3-Nitroaniline	99-09-2	N.D.	85	210	1
10727	4-Nitroaniline	100-01-6	N.D.	85	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	42	1
10727	2-Nitrophenol	88-75-5	N.D.	21	42	1
10727	4-Nitrophenol	100-02-7	N.D.	210	630	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	42	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	85	210	1
10727	Pentachlorophenol	87-86-5	N.D.	42	220	1
10727	Phenanthrene	85-01-8	6 J	4	22	1
10727	Phenol	108-95-2	N.D.	21	42	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	42	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	42	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.21	1.0	1
10738	Alpha BHC	319-84-6	N.D.	0.21	1.0	1
10738	Beta BHC	319-85-7	N.D.	0.38	1.3	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.21	1.0	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.21	1.0	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.21	1.0	1
10738	p,p-DDD	72-54-8	N.D.	0.42	2.1	1
10738	p,p-DDE	72-55-9	N.D.	0.42	2.1	1
10738	p,p-DDT	50-29-3	N.D.	0.44	2.1	1
10738	Delta BHC	319-86-8	N.D.	0.57	1.1	1
10738	Dieldrin	60-57-1	N.D.	0.42	2.1	1
10738	Endosulfan I	959-98-8	N.D.	0.28	1.0	1
10738	Endosulfan II	33213-65-9	N.D.	0.42	2.1	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.42	2.1	1
10738	Endrin	72-20-8	N.D.	0.42	2.1	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.42	2.1	1
10738	Endrin Ketone	53494-70-5	N.D.	0.76	2.3	1
10738	Heptachlor	76-44-8	N.D.	0.21	1.0	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.21	1.0	1
10738	Methoxychlor	72-43-5	N.D.	2.1	8.5	1
10738	Toxaphene	8001-35-2	N.D.	18	42	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C726-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
	<b>SW-846 8082</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	4.5	21	1
10736	PCB-1221	11104-28-2	N.D.	5.8	21	1
10736	PCB-1232	11141-16-5	N.D.	10	21	1
10736	PCB-1242	53469-21-9	N.D.	4.1	21	1
10736	PCB-1248	12672-29-6	N.D.	4.1	21	1
10736	PCB-1254	11097-69-1	N.D.	4.1	21	1
10736	PCB-1260	11096-82-5	N.D.	6.1	21	1
10736	Total PCBs	1336-36-3	N.D.	4.1	21	1
<b>GC Petroleum</b>						
	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.1	15	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	0.979 J	0.825	2.36	1
06935	Arsenic	7440-38-2	3.04	1.14	2.36	1
06946	Barium	7440-39-3	208	0.0389	0.589	1
06947	Beryllium	7440-41-7	0.884	0.0789	0.589	1
06949	Cadmium	7440-43-9	0.280 J	0.0577	0.589	1
06951	Chromium	7440-47-3	66.5	0.165	1.77	1
06952	Cobalt	7440-48-4	8.75	0.141	0.589	1
06953	Copper	7440-50-8	24.5	0.271	1.18	1
06955	Lead	7439-92-1	7.33	0.648	1.77	1
06960	Molybdenum	7439-98-7	N.D.	0.200	1.18	1
06961	Nickel	7440-02-0	44.6	0.353	1.18	1
06936	Selenium	7782-49-2	1.64 J	1.06	2.36	1
06966	Silver	7440-22-4	N.D.	0.177	0.589	1
06925	Thallium	7440-28-0	2.61 J	0.966	3.53	1
06971	Vanadium	7440-62-2	54.3	0.165	0.589	1
06972	Zinc	7440-66-6	86.9	0.801	2.36	1
	<b>SW-846 7471A</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0884 J	0.0127	0.127	1
<b>Wet Chemistry</b>						
	<b>SM 2540 G-1997</b>		<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	21.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C726-

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 15:40	Jennifer K Howe	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:42	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 00:02	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170770007A	03/23/2017 15:12	Amanda L Zittle	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 17:19	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170770007A	03/20/2017 08:00	Joshua Ruth	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 04:22	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887247  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:29 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C726-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:45	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:28	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887251  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:33 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C727-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	26	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	3	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	13	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	56	140	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	3	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	3	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	3	13	0.99
10237	2-Hexanone	591-78-6	N.D.	4	13	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	3	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	N.D.	3	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887251  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:33 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C727-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	21	42	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	42	210	1
10727	Benzaldehyde	100-52-7	N.D.	85	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	42	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	42	1
10727	Butylbenzylphthalate	85-68-7	N.D.	85	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	85	210	1
10727	Caprolactam	105-60-2	N.D.	42	210	1
10727	Carbazole	86-74-8	N.D.	21	42	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	42	1
10727	4-Chloroaniline	106-47-8	N.D.	42	85	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	42	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	42	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	42	1
10727	2-Chlorophenol	95-57-8	N.D.	21	42	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	42	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	21	42	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	420	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	42	1
10727	Diethylphthalate	84-66-2	N.D.	85	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	42	1
10727	Dimethylphthalate	131-11-3	N.D.	85	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	640	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	380	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	85	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	42	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	85	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	42	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	640	1
10727	Hexachloroethane	67-72-1	N.D.	42	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	21	42	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887251  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:33 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C727-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	21	42	1
10727	4-Methylphenol	106-44-5	N.D.	21	42	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	21	42	1
10727	3-Nitroaniline	99-09-2	N.D.	85	210	1
10727	4-Nitroaniline	100-01-6	N.D.	85	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	42	1
10727	2-Nitrophenol	88-75-5	N.D.	21	42	1
10727	4-Nitrophenol	100-02-7	N.D.	210	640	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	42	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	85	210	1
10727	Pentachlorophenol	87-86-5	N.D.	42	220	1
10727	Phenanthrene	85-01-8	N.D.	4	22	1
10727	Phenol	108-95-2	N.D.	21	42	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	42	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	42	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.1	15	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	1.76 J	0.806	2.30	1
06935	Arsenic	7440-38-2	12.4	1.12	2.30	1
06946	Barium	7440-39-3	162	0.0380	0.576	1
06947	Beryllium	7440-41-7	1.07	0.0772	0.576	1
06949	Cadmium	7440-43-9	N.D.	0.0565	0.576	1
06951	Chromium	7440-47-3	76.8	0.161	1.73	1
06952	Cobalt	7440-48-4	12.1	0.138	0.576	1
06953	Copper	7440-50-8	38.1	0.265	1.15	1
06955	Lead	7439-92-1	9.47	0.634	1.73	1
06960	Molybdenum	7439-98-7	1.24	0.196	1.15	1
06961	Nickel	7440-02-0	56.5	0.346	1.15	1
06936	Selenium	7782-49-2	3.96	1.04	2.30	1
06966	Silver	7440-22-4	N.D.	0.173	0.576	1
06925	Thallium	7440-28-0	2.69 J	0.945	3.46	1
06971	Vanadium	7440-62-2	93.2	0.161	0.576	1
06972	Zinc	7440-66-6	108	0.783	2.30	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-2-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887251  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:33 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C727-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0743 J	0.0125	0.125	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	22.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 16:02	Jennifer K Howe	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:47	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 00:27	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170870027A	03/31/2017 12:42	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170870027A	03/28/2017 19:30	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887251  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:33 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C727-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:48	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:30	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887255  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:39 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C728-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	2	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	12	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	55	140	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	2	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	2	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	2	12	1.01
10237	2-Hexanone	591-78-6	N.D.	4	12	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	N.D.	2	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887255  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:39 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C728-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	80	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	80	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	80	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	80	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	40	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	80	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	80	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	600	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	80	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	80	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	600	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887255  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:39 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C728-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS Semivolatiles SW-846 8270C</b>						
10727	2-Methylnaphthalene	91-57-6	N.D.	4 ug/kg	21 ug/kg	1
10727	2-Methylphenol	95-48-7	N.D.	20 ug/kg	40 ug/kg	1
10727	4-Methylphenol	106-44-5	N.D.	20 ug/kg	40 ug/kg	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4 ug/kg	21 ug/kg	1
10727	2-Nitroaniline	88-74-4	N.D.	20 ug/kg	40 ug/kg	1
10727	3-Nitroaniline	99-09-2	N.D.	80 ug/kg	200 ug/kg	1
10727	4-Nitroaniline	100-01-6	N.D.	80 ug/kg	200 ug/kg	1
10727	Nitrobenzene	98-95-3	N.D.	20 ug/kg	40 ug/kg	1
10727	2-Nitrophenol	88-75-5	N.D.	20 ug/kg	40 ug/kg	1
10727	4-Nitrophenol	100-02-7	N.D.	200 ug/kg	600 ug/kg	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20 ug/kg	40 ug/kg	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20 ug/kg	40 ug/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	80 ug/kg	200 ug/kg	1
10727	Pentachlorophenol	87-86-5	N.D.	40 ug/kg	210 ug/kg	1
10727	Phenanthrene	85-01-8	N.D.	4 ug/kg	21 ug/kg	1
10727	Phenol	108-95-2	N.D.	20 ug/kg	40 ug/kg	1
10727	Pyrene	129-00-0	N.D.	4 ug/kg	21 ug/kg	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20 ug/kg	40 ug/kg	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20 ug/kg	40 ug/kg	1
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.9 mg/kg	15 mg/kg	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.9 mg/kg	15 mg/kg	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.9 mg/kg	15 mg/kg	1
<b>Metals SW-846 6010B</b>						
06944	Antimony	7440-36-0	1.66 J	0.752 mg/kg	2.15 mg/kg	1
06935	Arsenic	7440-38-2	9.14	1.04 mg/kg	2.15 mg/kg	1
06946	Barium	7440-39-3	318	0.0355 mg/kg	0.537 mg/kg	1
06947	Beryllium	7440-41-7	0.639	0.0720 mg/kg	0.537 mg/kg	1
06949	Cadmium	7440-43-9	0.515 J	0.0527 mg/kg	0.537 mg/kg	1
06951	Chromium	7440-47-3	66.6	0.150 mg/kg	1.61 mg/kg	1
06952	Cobalt	7440-48-4	10.1	0.129 mg/kg	0.537 mg/kg	1
06953	Copper	7440-50-8	45.1	0.247 mg/kg	1.07 mg/kg	1
06955	Lead	7439-92-1	4.63	0.591 mg/kg	1.61 mg/kg	1
06960	Molybdenum	7439-98-7	3.78	0.183 mg/kg	1.07 mg/kg	1
06961	Nickel	7440-02-0	49.5	0.322 mg/kg	1.07 mg/kg	1
06936	Selenium	7782-49-2	3.95	0.967 mg/kg	2.15 mg/kg	1
06966	Silver	7440-22-4	N.D.	0.161 mg/kg	0.537 mg/kg	1
06925	Thallium	7440-28-0	3.11 J	0.881 mg/kg	3.22 mg/kg	1
06971	Vanadium	7440-62-2	80.1	0.150 mg/kg	0.537 mg/kg	1
06972	Zinc	7440-66-6	74.4	0.731 mg/kg	2.15 mg/kg	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887255  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:39 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/16/2017 12:10 Building C  
Reported: 04/17/2017 16:26 Los Gatos CA 95032

C728-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0760 J	0.0115	0.115	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	18.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 16:24	Jennifer K Howe	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:35	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/22/2017 21:30	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 05:05	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:52	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887255  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:39 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C728-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017	23:52	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017	07:33	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017	23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017	03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017	22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887259  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:02 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C729-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	12 J	9	26	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	3	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	13	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	57	140	0.99
10237	Carbon Disulfide	75-15-0	1 J	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	3	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	3	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	3	13	0.99
10237	2-Hexanone	591-78-6	N.D.	4	13	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	3	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	N.D.	3	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

The recovery for the sample internal standard is outside the QC

\*=This limit was used in the evaluation of the final result



Sample Description: C7-2-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887259  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:02 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C729-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	22	43	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	43	220	1
10727	Benzaldehyde	100-52-7	N.D.	86	220	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	22	43	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	22	43	1
10727	Butylbenzylphthalate	85-68-7	N.D.	86	220	1
10727	Di-n-butylphthalate	84-74-2	N.D.	86	220	1
10727	Caprolactam	105-60-2	N.D.	43	220	1
10727	Carbazole	86-74-8	N.D.	22	43	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	22	43	1
10727	4-Chloroaniline	106-47-8	N.D.	43	86	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	22	43	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	22	43	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	43	1
10727	2-Chlorophenol	95-57-8	N.D.	22	43	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	22	43	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	22	43	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	22	43	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	430	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	22	43	1
10727	Diethylphthalate	84-66-2	N.D.	86	220	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	22	43	1
10727	Dimethylphthalate	131-11-3	N.D.	86	220	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	220	650	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	86	220	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	22	43	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	86	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	22	43	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887259  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:02 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C729-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	220	650	1
10727	Hexachloroethane	67-72-1	N.D.	43	220	1
10727	Indeno (1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	22	43	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	22	43	1
10727	4-Methylphenol	106-44-5	N.D.	22	43	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10727	Naphthalene	91-20-3	N.D.	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	22	43	1
10727	3-Nitroaniline	99-09-2	N.D.	86	220	1
10727	4-Nitroaniline	100-01-6	N.D.	86	220	1
10727	Nitrobenzene	98-95-3	N.D.	22	43	1
10727	2-Nitrophenol	88-75-5	N.D.	22	43	1
10727	4-Nitrophenol	100-02-7	N.D.	220	650	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	22	43	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	22	43	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10727	Di-n-octylphthalate	117-84-0	N.D.	86	220	1
10727	Pentachlorophenol	87-86-5	N.D.	43	220	1
10727	Phenanthrene	85-01-8	N.D.	4	22	1
10727	Phenol	108-95-2	N.D.	22	43	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	22	43	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	22	43	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.2	16	1
00071	C23-C40 w/Si Gel	n.a.	46	5.2	16	1
00071	Total TPH w/Si Gel	n.a.	46	5.2	16	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	0.945 J	0.724	2.07	1
06935	Arsenic	7440-38-2	5.72	1.00	2.07	1
06946	Barium	7440-39-3	351	0.0341	0.517	1
06947	Beryllium	7440-41-7	0.734	0.0693	0.517	1
06949	Cadmium	7440-43-9	0.266 J	0.0507	0.517	1
06951	Chromium	7440-47-3	54.5	0.145	1.55	1
06952	Cobalt	7440-48-4	11.2	0.124	0.517	1
06953	Copper	7440-50-8	25.7	0.238	1.03	1
06955	Lead	7439-92-1	7.18	0.569	1.55	1
06960	Molybdenum	7439-98-7	3.20	0.176	1.03	1
06961	Nickel	7440-02-0	46.8	0.310	1.03	1
06936	Selenium	7782-49-2	6.08	0.931	2.07	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887259  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:02 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C729-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06966	Silver	7440-22-4	N.D.	0.155	0.517	1
06925	Thallium	7440-28-0	3.35	0.848	3.10	1
06971	Vanadium	7440-62-2	59.3	0.145	0.517	1
06972	Zinc	7440-66-6	83.7	0.704	2.07	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0509 J	0.0124	0.124	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	23.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170791AA	03/20/2017 16:47	Jennifer K Howe	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201707744677	03/18/2017 13:41	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201707744677	03/18/2017 11:29	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 00:52	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170870027A	03/31/2017 13:04	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170870027A	03/28/2017 19:30	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887259  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:02 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C729-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06951	Chromium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170795708001	03/21/2017 23:56	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170795711001	03/21/2017 07:35	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170795708001	03/20/2017 23:00	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170795711001	03/21/2017 03:25	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17079820003B	03/20/2017 22:29	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887263  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10  
Reported: 04/17/2017 16:26

C72W-

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	N.D.	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-2-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887263  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C72W-

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	N.D.	46	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	N.D.	46	100	1
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the sample surrogate is compliant. Results are reported from both trials. Similar results were obtained in both trials.						
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.164	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00086 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0020 J	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.0426	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0144	0.0028	0.0100	1
07036	Selenium	7782-49-2	0.0116 J	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	N.D.	0.0016	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

**Sample Comments**

CA ELAP Lab Certification No. 2792  
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170831AA	03/24/2017 13:44	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170831AA	03/24/2017 13:44	Nicole S Lamoreaux	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-2-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8887263  
LL Group # 1777491  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 15:15 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/16/2017 12:10

Reported: 04/17/2017 16:26

C72W-

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170770015A	03/22/2017 01:54	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170770015A	03/20/2017 08:00	Kayla A Yuditsky	1
07044	Antimony	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07046	Barium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07047	Beryllium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07052	Cobalt	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07053	Copper	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07055	Lead	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07060	Molybdenum	SW-846 6010B	1	170821848001	03/29/2017 14:40	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07066	Silver	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07022	Thallium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	170821848001	03/27/2017 10:16	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	170955713001	04/06/2017 10:12	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170821848001	03/23/2017 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170825713005	03/24/2017 01:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	170955713001	04/05/2017 18:30	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Batch number: B170781AA	Sample number(s): 8887190,8887194		
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	N.D.	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	N.D.	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	1	5

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	N.D.	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
Batch number: B170791AA			
Sample number(s):			
8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259			
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	6 J	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	1 J	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	9 J	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	1	5
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	14	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
Batch number: B170802AA			
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	N.D.	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	N.D.	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	1	5
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	N.D.	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
	ug/l	ug/l	ug/l
Batch number: W170831AA	Sample number(s): 8887226,8887263		
Acetone	N.D.	6	20
Benzene	N.D.	0.5	1
Bromodichloromethane	N.D.	0.5	1
Bromoform	N.D.	0.5	4
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	3	10
C6-C10-TPH-GRO	N.D.	22	50
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	0.5	1
Chlorobenzene	N.D.	0.5	1
Chloroethane	N.D.	0.5	1
Chloroform	N.D.	0.5	1
Chloromethane	N.D.	0.5	1
Cyclohexane	N.D.	2	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	0.5	1
1,2-Dibromoethane	N.D.	0.5	1
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	0.5	1
1,1-Dichloroethane	N.D.	0.5	1
1,2-Dichloroethane	N.D.	0.5	1
1,1-Dichloroethene	N.D.	0.5	1
cis-1,2-Dichloroethene	N.D.	0.5	1
trans-1,2-Dichloroethene	N.D.	0.5	1
1,2-Dichloropropane	N.D.	0.5	1
cis-1,3-Dichloropropene	N.D.	0.5	1
trans-1,3-Dichloropropene	N.D.	0.5	1
Ethylbenzene	N.D.	0.5	1
Freon 113	N.D.	2	10

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	1	5
Methyl Tertiary Butyl Ether	N.D.	0.5	1
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	4
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	0.5	1
Tetrachloroethene	N.D.	0.5	1
Toluene	N.D.	0.5	1
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	0.5	1
1,1,2-Trichloroethane	N.D.	0.5	1
Trichloroethene	N.D.	0.5	1
Trichlorofluoromethane	N.D.	0.5	1
Vinyl Chloride	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1

Batch number: 17077SLA026	Sample number(s):
	8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231

Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo(a)anthracene	N.D.	3	17
Benzo(a)pyrene	N.D.	3	17
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl)ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Dibenz (a, h) anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl)phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno (1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33
2,4,6-Trichlorophenol	N.D.	17	33
Batch number: 17080SLI026	Sample number (s):	8887235,8887239,8887243,8887247,8887251,8887255,8887259	
Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo (a) anthracene	N.D.	3	17
Benzo (a) pyrene	N.D.	3	17

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl)ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17
Dibenz(a,h)anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl)phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno(1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33

\*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33
2,4,6-Trichlorophenol	N.D.	17	33
Batch number: 170770007A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247		
Aldrin	N.D.	0.17	0.83
Alpha BHC	N.D.	0.17	0.83
Beta BHC	N.D.	0.30	1.0
Gamma BHC - Lindane	N.D.	0.17	0.83
Alpha Chlordane	N.D.	0.17	0.83
Gamma Chlordane	N.D.	0.17	0.83
p,p-DDD	N.D.	0.33	1.7
p,p-DDE	N.D.	0.33	1.7
p,p-DDT	N.D.	0.35	1.7
Delta BHC	N.D.	0.45	0.90
Dieldrin	N.D.	0.33	1.7
Endosulfan I	N.D.	0.22	0.83
Endosulfan II	N.D.	0.33	1.7
Endosulfan Sulfate	N.D.	0.33	1.7
Endrin	N.D.	0.33	1.7
Endrin Aldehyde	N.D.	0.33	1.7
Endrin Ketone	N.D.	0.60	1.8
Heptachlor	N.D.	0.17	0.83
Heptachlor Epoxide	N.D.	0.17	0.83
Methoxychlor	N.D.	1.7	6.7
Toxaphene	N.D.	14	33
Batch number: 170790038A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247		
PCB-1016	N.D.	3.6	17
PCB-1221	N.D.	4.6	17
PCB-1232	N.D.	8.0	17
PCB-1242	N.D.	3.3	17
PCB-1248	N.D.	3.3	17
PCB-1254	N.D.	3.3	17
PCB-1260	N.D.	4.9	17
Total PCBs	N.D.	3.3	17
	mg/kg	mg/kg	mg/kg
Batch number: 170790041A	Sample number(s): 8887198,8887202,8887206,8887210		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170800016A	Sample number(s): 8887190,8887194		
C13-C22 w/Si Gel	N.D.	4.0	12

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170800030A	Sample number(s): 8887214, 8887218, 8887222, 8887227, 8887231, 8887239, 8887243, 8887247, 8887255		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170870027A	Sample number(s): 8887235, 8887251, 8887259		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170770015A	Sample number(s): 8887226, 8887263		
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
Batch number: 170880044A	Sample number(s): 8887226, 8887263		
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
Batch number: 170795708001	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259		
Antimony	N.D.	0.700	2.00
Arsenic	N.D.	0.970	2.00
Barium	0.365 J	0.0330	0.500
Beryllium	N.D.	0.0670	0.500
Cadmium	N.D.	0.0490	0.500
Chromium	N.D.	0.140	1.50
Cobalt	N.D.	0.120	0.500
Copper	0.429 J	0.230	1.00
Lead	N.D.	0.550	1.50
Molybdenum	N.D.	0.170	1.00
Nickel	N.D.	0.300	1.00
Selenium	N.D.	0.900	2.00
Silver	N.D.	0.150	0.500
Thallium	N.D.	0.820	3.00
Vanadium	N.D.	0.140	0.500
Zinc	1.55 J	0.680	2.00
Batch number: 170795711001	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259		
Mercury	N.D.	0.0100	0.100
Batch number: 170821848001	Sample number(s): 8887226, 8887263		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Method Blank (continued)

Analysis Name	Result mg/l	MDL** mg/l	LOQ mg/l
Antimony	N.D.	0.0077	0.0200
Arsenic	N.D.	0.0097	0.0200
Barium	N.D.	0.0011	0.0050
Beryllium	N.D.	0.00067	0.0050
Cadmium	N.D.	0.00049	0.0050
Chromium	N.D.	0.0018	0.0150
Cobalt	N.D.	0.0019	0.0050
Copper	N.D.	0.0041	0.0100
Lead	N.D.	0.0062	0.0150
Molybdenum	N.D.	0.0017	0.0100
Nickel	N.D.	0.0028	0.0100
Selenium	N.D.	0.0097	0.0200
Silver	N.D.	0.0019	0.0050
Thallium	N.D.	0.0094	0.0300
Vanadium	N.D.	0.0016	0.0050
Zinc	N.D.	0.0054	0.0200
Batch number: 170895705004	Sample number(s): 8887193,8887230		
Chromium	N.D.	0.0450	0.375
Lead	N.D.	0.155	0.375
Batch number: 170955713001	Sample number(s): 8887226,8887263		
Mercury	N.D.	0.000050	0.00020

### LCS/LCSD

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B170781AA	Sample number(s): 8887190,8887194								
Acetone	150	174.23	150	153.52	116	102	32-144	13	30
Benzene	20	20.96	20	22.39	105	112	80-120	7	30
Bromodichloromethane	20	19.11	20	20.28	96	101	75-120	6	30
Bromoform	20	17.3	20	17.27	86	86	61-122	0	30
Bromomethane	20	16.97	20	18.46	85	92	39-155	8	30
2-Butanone	150	117.97	150	146.72	79	98	41-134	22	30
C6-C10-TPH-GRO	1000	997.31	1000	962.87	100	96	65-120	4	30
Carbon Disulfide	20	21.64	20	24.65	108	123	60-128	13	30
Carbon Tetrachloride	20	19.13	20	20.45	96	102	69-130	7	30
Chlorobenzene	20	19.49	20	20.69	97	103	80-120	6	30
Chloroethane	20	17.14	20	18.64	86	93	50-137	8	30
Chloroform	20	20.19	20	21.63	101	108	80-120	7	30
Chloromethane	20	20.23	20	17.11	101	86	56-120	17	30
Cyclohexane	20	20.61	20	22.07	103	110	58-126	7	30
1,2-Dibromo-3-chloropropane	20	18.59	20	16.84	93	84	54-120	10	30
Dibromochloromethane	20	17.27	20	17.97	86	90	71-120	4	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dibromoethane	20	19.62	20	20.16	98	101	80-120	3	30
1,2-Dichlorobenzene	20	18.82	20	19.99	94	100	80-120	6	30
1,3-Dichlorobenzene	20	18.26	20	19.4	91	97	80-120	6	30
1,4-Dichlorobenzene	20	18.47	20	19.66	92	98	80-120	6	30
Dichlorodifluoromethane	20	13.9	20	14.45	69	72	30-127	4	30
1,1-Dichloroethane	20	20.45	20	21.61	102	108	77-120	5	30
1,2-Dichloroethane	20	19.58	20	20.61	98	103	78-127	5	30
1,1-Dichloroethene	20	21.92	20	23.68	110	118	73-129	8	30
cis-1,2-Dichloroethene	20	21.82	20	23.31	109	117	80-120	7	30
trans-1,2-Dichloroethene	20	21.83	20	23.13	109	116	80-125	6	30
1,2-Dichloropropane	20	19.72	20	21.18	99	106	76-120	7	30
cis-1,3-Dichloropropene	20	19.16	20	20.53	96	103	74-120	7	30
trans-1,3-Dichloropropene	20	18	20	19.05	90	95	70-120	6	30
Ethylbenzene	20	19.43	20	20.51	97	103	80-120	5	30
Freon 113	20	18.96	20	21.51	95	108	59-139	13	30
2-Hexanone	100	84.59	100	79.03	85	79	45-138	7	30
Isopropylbenzene	20	19.47	20	20.64	97	103	76-120	6	30
Methyl Acetate	20	20.6	20	19.79	103	99	54-155	4	30
Methyl Tertiary Butyl Ether	20	19.89	20	21.66	99	108	72-120	9	30
4-Methyl-2-pentanone	100	102.86	100	94.81	103	95	53-134	8	30
Methylcyclohexane	20	21.39	20	22.91	107	115	56-134	7	30
Methylene Chloride	20	21.24	20	22.75	106	114	76-122	7	30
Styrene	20	19.69	20	20.82	98	104	76-120	6	30
1,1,2,2-Tetrachloroethane	20	19.04	20	18.55	95	93	67-121	3	30
Tetrachloroethene	20	18.9	20	19.66	94	98	74-126	4	30
Toluene	20	19.85	20	21.12	99	106	80-120	6	30
1,2,4-Trichlorobenzene	20	17.56	20	18.91	88	95	63-121	7	30
1,1,1-Trichloroethane	20	17.92	20	19.6	90	98	66-128	9	30
1,1,2-Trichloroethane	20	20.25	20	20.54	101	103	80-120	1	30
Trichloroethene	20	20.56	20	21.58	103	108	80-120	5	30
Trichlorofluoromethane	20	16.78	20	17.78	84	89	63-132	6	30
Vinyl Chloride	20	16.76	20	18.47	84	92	59-120	10	30
Xylene (Total)	60	58.61	60	62.53	98	104	80-120	6	30

Batch number: B170791AA

Sample number(s):

8887198,8887202,8887206,8887210,8887214,8887218,8887222,8887227,8887231,8887235,8887239,8887243,8887247,8887251,8887255,8887259

Acetone	150	129.16	150	123.85	86	83	32-144	4	30
Benzene	20	22.65	20	22.85	113	114	80-120	1	30
Bromodichloromethane	20	21.03	20	21.14	105	106	75-120	1	30
Bromoform	20	18.92	20	18.66	95	93	61-122	1	30
Bromomethane	20	21.74	20	21.37	109	107	39-155	2	30
2-Butanone	150	128.2	150	141.13	85	94	41-134	10	30
C6-C10-TPH-GRO	1000	978.11	1000	986.12	98	99	65-120	1	30
Carbon Disulfide	20	24.44	20	24.6	122	123	60-128	1	30
Carbon Tetrachloride	20	21.62	20	21.63	108	108	69-130	0	30
Chlorobenzene	20	21.84	20	21.65	109	108	80-120	1	30
Chloroethane	20	21.02	20	20.56	105	103	50-137	2	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroform	20	22.06	20	22.06	110	110	80-120	0	30
Chloromethane	20	17.91	20	17.75	90	89	56-120	1	30
Cyclohexane	20	21.4	20	21.44	107	107	58-126	0	30
1,2-Dibromo-3-chloropropane	20	19.23	20	18.86	96	94	54-120	2	30
Dibromochloromethane	20	19.27	20	19.24	96	96	71-120	0	30
1,2-Dibromoethane	20	21.08	20	20.89	105	104	80-120	1	30
1,2-Dichlorobenzene	20	21.47	20	21.48	107	107	80-120	0	30
1,3-Dichlorobenzene	20	21.05	20	20.88	105	104	80-120	1	30
1,4-Dichlorobenzene	20	21.2	20	21.19	106	106	80-120	0	30
Dichlorodifluoromethane	20	17.28	20	17.05	86	85	30-127	1	30
1,1-Dichloroethane	20	22.21	20	21.94	111	110	77-120	1	30
1,2-Dichloroethane	20	20.77	20	20.62	104	103	78-127	1	30
1,1-Dichloroethene	20	25.27	20	24.99	126	125	73-129	1	30
cis-1,2-Dichloroethene	20	23.53	20	23.41	118	117	80-120	1	30
trans-1,2-Dichloroethene	20	23.98	20	25.44	120	127*	80-125	6	30
1,2-Dichloropropane	20	21.46	20	21.26	107	106	76-120	1	30
cis-1,3-Dichloropropene	20	20.89	20	20.88	104	104	74-120	0	30
trans-1,3-Dichloropropene	20	19.32	20	19.48	97	97	70-120	1	30
Ethylbenzene	20	22.08	20	22.08	110	110	80-120	0	30
Freon 113	20	22.4	20	21.46	112	107	59-139	4	30
2-Hexanone	100	74.15	100	74.2	74	74	45-138	0	30
Isopropylbenzene	20	22.49	20	22.6	112	113	76-120	0	30
Methyl Acetate	20	18.94	20	17.99	95	90	54-155	5	30
Methyl Tertiary Butyl Ether	20	20.18	20	20.68	101	103	72-120	2	30
4-Methyl-2-pentanone	100	95.43	100	94.04	95	94	53-134	1	30
Methylcyclohexane	20	22.26	20	22.18	111	111	56-134	0	30
Methylene Chloride	20	22.91	20	22.72	115	114	76-122	1	30
Styrene	20	22.64	20	22.63	113	113	76-120	0	30
1,1,2,2-Tetrachloroethane	20	20.05	20	19.93	100	100	67-121	1	30
Tetrachloroethene	20	21.1	20	21.35	105	107	74-126	1	30
Toluene	20	21.75	20	21.86	109	109	80-120	1	30
1,2,4-Trichlorobenzene	20	20.52	20	20.61	103	103	63-121	0	30
1,1,1-Trichloroethane	20	20.48	20	20.16	102	101	66-128	2	30
1,1,2-Trichloroethane	20	22.13	20	21.54	111	108	80-120	3	30
Trichloroethene	20	22.07	20	22.3	110	111	80-120	1	30
Trichlorofluoromethane	20	19.36	20	19.3	97	97	63-132	0	30
Vinyl Chloride	20	19.2	20	19.45	96	97	59-120	1	30
Xylene (Total)	60	67.24	60	66.94	112	112	80-120	0	30
Batch number: B170802AA									
Acetone	150	117.85	150	99.45	79	66	32-144	17	30
Benzene	20	18.71	20	18.76	94	94	80-120	0	30
Bromodichloromethane	20	16.81	20	16.78	84	84	75-120	0	30
Bromoform	20	16.61	20	16.21	83	81	61-122	2	30
Bromomethane	20	15.56	20	15.64	78	78	39-155	1	30
2-Butanone	150	124.77	150	142.29	83	95	41-134	13	30
C6-Cl0-TPH-GRO	1000	897.04	1000	738.5	90	74	65-120	19	30
Carbon Disulfide	20	19.3	20	19.47	96	97	60-128	1	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Carbon Tetrachloride	20	17.81	20	17.89	89	89	69-130	0	30
Chlorobenzene	20	19.13	20	19.52	96	98	80-120	2	30
Chloroethane	20	15.29	20	15.67	76	78	50-137	2	30
Chloroform	20	18.12	20	18.17	91	91	80-120	0	30
Chloromethane	20	14.77	20	14.97	74	75	56-120	1	30
Cyclohexane	20	18.71	20	19.02	94	95	58-126	2	30
1,2-Dibromo-3-chloropropane	20	17.71	20	15.29	89	76	54-120	15	30
Dibromochloromethane	20	16.95	20	16.99	85	85	71-120	0	30
1,2-Dibromoethane	20	18.97	20	18.47	95	92	80-120	3	30
1,2-Dichlorobenzene	20	19.36	20	19.59	97	98	80-120	1	30
1,3-Dichlorobenzene	20	18.67	20	18.93	93	95	80-120	1	30
1,4-Dichlorobenzene	20	19.09	20	19.31	95	97	80-120	1	30
Dichlorodifluoromethane	20	13.92	20	13.86	70	69	30-127	0	30
1,1-Dichloroethane	20	18.2	20	18.28	91	91	77-120	0	30
1,2-Dichloroethane	20	17.4	20	17.03	87	85	78-127	2	30
1,1-Dichloroethene	20	20.08	20	20.17	100	101	73-129	0	30
cis-1,2-Dichloroethene	20	19.41	20	19.45	97	97	80-120	0	30
trans-1,2-Dichloroethene	20	19.54	20	19.49	98	97	80-125	0	30
1,2-Dichloropropane	20	17.54	20	17.46	88	87	76-120	0	30
cis-1,3-Dichloropropene	20	16.89	20	16.81	84	84	74-120	0	30
trans-1,3-Dichloropropene	20	17.2	20	17.45	86	87	70-120	1	30
Ethylbenzene	20	19.38	20	19.8	97	99	80-120	2	30
Freon 113	20	17.91	20	20.67	90	103	59-139	14	30
2-Hexanone	100	74.01	100	69.24	74	69	45-138	7	30
Isopropylbenzene	20	19.67	20	19.95	98	100	76-120	1	30
Methyl Acetate	20	16.57	20	14.53	83	73	54-155	13	30
Methyl Tertiary Butyl Ether	20	17.37	20	17.18	87	86	72-120	1	30
4-Methyl-2-pentanone	100	82.9	100	73.66	83	74	53-134	12	30
Methylcyclohexane	20	19.35	20	19.42	97	97	56-134	0	30
Methylene Chloride	20	18.42	20	18.87	92	94	76-122	2	30
Styrene	20	19.72	20	20.08	99	100	76-120	2	30
1,1,2,2-Tetrachloroethane	20	18.59	20	17.33	93	87	67-121	7	30
Tetrachloroethene	20	19.03	20	19.39	95	97	74-126	2	30
Toluene	20	19.77	20	20.25	99	101	80-120	2	30
1,2,4-Trichlorobenzene	20	18.5	20	18.45	92	92	63-121	0	30
1,1,1-Trichloroethane	20	16.41	20	16.97	82	85	66-128	3	30
1,1,2-Trichloroethane	20	19.68	20	19.28	98	96	80-120	2	30
Trichloroethene	20	18.05	20	18.21	90	91	80-120	1	30
Trichlorofluoromethane	20	15.73	20	15.85	79	79	63-132	1	30
Vinyl Chloride	20	15.95	20	15.89	80	79	59-120	0	30
Xylene (Total)	60	58.73	60	59.99	98	100	80-120	2	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: W170831AA	Sample number(s): 8887226,8887263								
Acetone	150	166.2	150	163.98	111	109	50-168	1	30
Benzene	20	20.14	20	20.04	101	100	78-120	1	30
Bromodichloromethane	20	18.94	20	19.05	95	95	80-120	1	30
Bromoform	20	17.18	20	17.38	86	87	64-120	1	30

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	20	16.1	20	17.01	81	85	49-121	6	30
2-Butanone	150	182.8	150	178.68	122	119	53-140	2	30
C6-C10-TPH-GRO	1000	918.49	1000	963.52	92	96	75-120	5	30
Carbon Disulfide	20	17.33	20	17.93	87	90	63-122	3	30
Carbon Tetrachloride	20	19.11	20	19.49	96	97	76-123	2	30
Chlorobenzene	20	19.68	20	19.53	98	98	80-120	1	30
Chloroethane	20	16.49	20	17.16	82	86	51-121	4	30
Chloroform	20	20.18	20	20.14	101	101	80-120	0	30
Chloromethane	20	18.78	20	17.86	94	89	57-120	5	30
Cyclohexane	20	17.68	20	18.03	88	90	67-121	2	30
1,2-Dibromo-3-chloropropane	20	17.96	20	17.83	90	89	59-120	1	30
Dibromochloromethane	20	17.65	20	17.54	88	88	78-120	1	30
1,2-Dibromoethane	20	19.6	20	19.61	98	98	75-120	0	30
1,2-Dichlorobenzene	20	18.75	20	19.15	94	96	80-120	2	30
1,3-Dichlorobenzene	20	18.94	20	18.61	95	93	80-120	2	30
1,4-Dichlorobenzene	20	18.99	20	18.83	95	94	80-120	1	30
Dichlorodifluoromethane	20	15.8	20	15.33	79	77	54-122	3	30
1,1-Dichloroethane	20	20.24	20	20.06	101	100	80-120	1	30
1,2-Dichloroethane	20	20.13	20	20.23	101	101	66-128	0	30
1,1-Dichloroethene	20	20.72	20	20.13	104	101	76-124	3	30
cis-1,2-Dichloroethene	20	20.86	20	20.96	104	105	80-120	0	30
trans-1,2-Dichloroethene	20	20.78	20	20.54	104	103	80-120	1	30
1,2-Dichloropropane	20	19.85	20	19.74	99	99	80-120	1	30
cis-1,3-Dichloropropene	20	19.36	20	19.25	97	96	75-120	1	30
trans-1,3-Dichloropropene	20	18.98	20	18.81	95	94	76-120	1	30
Ethylbenzene	20	19.74	20	19.6	99	98	78-120	1	30
Freon 113	20	18.53	20	19.37	93	97	68-129	4	30
2-Hexanone	100	107.04	100	106.02	107	106	49-137	1	30
Isopropylbenzene	20	19.65	20	19.41	98	97	80-120	1	30
Methyl Acetate	20	21.52	20	21.9	108	110	61-137	2	30
Methyl Tertiary Butyl Ether	20	19.72	20	20.02	99	100	75-120	1	30
4-Methyl-2-pentanone	100	102.44	100	102.91	102	103	56-131	0	30
Methylcyclohexane	20	18.85	20	18.92	94	95	66-126	0	30
Methylene Chloride	20	19.98	20	19.91	100	100	80-120	0	30
Styrene	20	19.18	20	18.94	96	95	80-120	1	30
1,1,2,2-Tetrachloroethane	20	18.4	20	19.24	92	96	72-120	4	30
Tetrachloroethene	20	19.8	20	19.57	99	98	80-129	1	30
Toluene	20	19.87	20	19.9	99	99	80-120	0	30
1,2,4-Trichlorobenzene	20	18.68	20	18.64	93	93	58-120	0	30
1,1,1-Trichloroethane	20	19.42	20	19.7	97	98	67-120	1	30
1,1,2-Trichloroethane	20	20.15	20	20.1	101	101	80-120	0	30
Trichloroethene	20	19.8	20	19.81	99	99	80-120	0	30
Trichlorofluoromethane	20	18.66	20	18.43	93	92	57-134	1	30
Vinyl Chloride	20	18.58	20	18.48	93	92	63-121	1	30
Xylene (Total)	60	59.49	60	59.02	99	98	80-120	1	30
	ug/kg	ug/kg	ug/kg	ug/kg					

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17077SLA026	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231								
Acenaphthene	1666.67	1652.15			99		83-116		
Acenaphthylene	1666.67	1676.02			101		83-119		
Acetophenone	1666.67	1328.07			80		70-107		
Anthracene	1666.67	1678.51			101		82-118		
Atrazine	1666.67	1637.07			98		52-142		
Benzaldehyde	1666.67	381.93			23		10-93		
Benzo(a)anthracene	1666.67	1845.42			111		76-119		
Benzo(a)pyrene	1666.67	1749.37			105		78-117		
Benzo(b)fluoranthene	1666.67	1826.8			110		79-121		
Benzo(g,h,i)perylene	1666.67	1720.35			103		71-123		
Benzo(k)fluoranthene	1666.67	1530.97			92		71-123		
1,1'-Biphenyl	1666.67	1580.11			95		78-115		
4-Bromophenyl-phenylether	1666.67	1581.56			95		78-122		
Butylbenzylphthalate	1666.67	1763.08			106		80-118		
Di-n-butylphthalate	1666.67	1733.8			104		84-120		
Caprolactam	1666.67	1649.43			99		63-121		
Carbazole	1666.67	1680.51			101		80-120		
4-Chloro-3-methylphenol	1666.67	1661.9			100		78-124		
4-Chloroaniline	1666.67	713.52			43		10-110		
bis(2-Chloroethoxy)methane	1666.67	1460.82			88		77-116		
bis(2-Chloroethyl)ether	1666.67	1274.42			76		68-115		
2-Chloronaphthalene	1666.67	1425.58			86		57-148		
2-Chlorophenol	1666.67	1489.2			89		80-121		
4-Chlorophenyl-phenylether	1666.67	1630.26			98		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1266.56			76		60-123		
Chrysene	1666.67	1742.17			105		72-121		
Dibenz(a,h)anthracene	1666.67	1828.23			110		72-129		
Dibenzofuran	1666.67	1641.82			99		79-114		
3,3'-Dichlorobenzidine	1666.67	1183.64			71		12-125		
2,4-Dichlorophenol	1666.67	1694.15			102		86-125		
Diethylphthalate	1666.67	1636.57			98		81-118		
2,4-Dimethylphenol	1666.67	1218.31			73		57-109		
Dimethylphthalate	1666.67	1662.56			100		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1511.81			91		53-130		
2,4-Dinitrophenol	3333.33	2826.66			85		27-136		
2,4-Dinitrotoluene	1666.67	1699.78			102		81-122		
2,6-Dinitrotoluene	1666.67	1771.79			106		80-120		
bis(2-Ethylhexyl)phthalate	1666.67	1857.53			111		81-121		
Fluoranthene	1666.67	1691.02			101		72-120		
Fluorene	1666.67	1684.97			101		75-118		
Hexachlorobenzene	1666.67	1503.64			90		73-120		
Hexachlorobutadiene	1666.67	1477.38			89		72-120		
Hexachlorocyclopentadiene	3333.33	2574.54			77		57-142		
Hexachloroethane	1666.67	1289.61			77		69-116		
Indeno(1,2,3-cd)pyrene	1666.67	1759.46			106		69-125		

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isophorone	1666.67	1487.11			89		70-118		
2-Methylnaphthalene	1666.67	1578.66			95		77-116		
2-Methylphenol	1666.67	1489.83			89		74-128		
4-Methylphenol	1666.67	1440.81			86		72-120		
Naphthalene	1666.67	1489.83			89		75-113		
2-Nitroaniline	1666.67	1838.54			110		84-126		
3-Nitroaniline	1666.67	1643.82			99		60-125		
4-Nitroaniline	1666.67	1391.4			83		50-112		
Nitrobenzene	1666.67	1448.57			87		70-122		
2-Nitrophenol	1666.67	1651.32			99		83-120		
4-Nitrophenol	1666.67	1557			93		52-133		
N-Nitroso-di-n-propylamine	1666.67	1376.89			83		67-121		
N-Nitrosodiphenylamine	1666.67	1604.44			96		83-118		
Di-n-octylphthalate	1666.67	1891.24			113		80-140		
Pentachlorophenol	1666.67	1702.9			102		56-131		
Phenanthrene	1666.67	1595.46			96		74-114		
Phenol	1666.67	1434.77			86		73-122		
Pyrene	1666.67	1578.64			95		74-112		
2,4,5-Trichlorophenol	1666.67	1822.37			109		86-123		
2,4,6-Trichlorophenol	1666.67	1867.54			112		81-123		
Batch number: 17080SLI026	Sample number(s): 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259								
Acenaphthene	1666.67	1525.16			92		83-116		
Acenaphthylene	1666.67	1535.96			92		83-119		
Acetophenone	1666.67	1409.57			85		70-107		
Anthracene	1666.67	1519.15			91		82-118		
Atrazine	1666.67	1478.97			89		52-142		
Benzaldehyde	1666.67	1392.31			84		10-93		
Benzo(a)anthracene	1666.67	1521.83			91		76-119		
Benzo(a)pyrene	1666.67	1563.11			94		78-117		
Benzo(b)fluoranthene	1666.67	1585.66			95		79-121		
Benzo(g,h,i)perylene	1666.67	1512.54			91		71-123		
Benzo(k)fluoranthene	1666.67	1464.22			88		71-123		
1,1'-Biphenyl	1666.67	1492.49			90		78-115		
4-Bromophenyl-phenylether	1666.67	1474.75			88		78-122		
Butylbenzylphthalate	1666.67	1480.89			89		80-118		
Di-n-butylphthalate	1666.67	1494.27			90		84-120		
Caprolactam	1666.67	1479.8			89		63-121		
Carbazole	1666.67	1491.44			89		80-120		
4-Chloro-3-methylphenol	1666.67	1552.33			93		78-124		
4-Chloroaniline	1666.67	404.93			24		10-110		
bis(2-Chloroethoxy)methane	1666.67	1436.53			86		77-116		
bis(2-Chloroethyl)ether	1666.67	1368.01			82		68-115		
2-Chloronaphthalene	1666.67	1516.25			91		57-148		
2-Chlorophenol	1666.67	1588.75			95		80-121		
4-Chlorophenyl-phenylether	1666.67	1511.03			91		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1373.1			82		60-123		
Chrysene	1666.67	1468.81			88		72-121		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibenz (a, h) anthracene	1666.67	1616.2			97		72-129		
Dibenzofuran	1666.67	1495.12			90		79-114		
3,3'-Dichlorobenzidine	1666.67	877.31			53		12-125		
2,4-Dichlorophenol	1666.67	1614.4			97		86-125		
Diethylphthalate	1666.67	1467.76			88		81-118		
2,4-Dimethylphenol	1666.67	1152.07			69		57-109		
Dimethylphthalate	1666.67	1488.71			89		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1348.35			81		53-130		
2,4-Dinitrophenol	3333.33	2756.4			83		27-136		
2,4-Dinitrotoluene	1666.67	1531.97			92		81-122		
2,6-Dinitrotoluene	1666.67	1616.98			97		80-120		
bis(2-Ethylhexyl) phthalate	1666.67	1510.09			91		81-121		
Fluoranthene	1666.67	1441.13			86		72-120		
Fluorene	1666.67	1546.94			93		75-118		
Hexachlorobenzene	1666.67	1405.82			84		73-120		
Hexachlorobutadiene	1666.67	1443.57			87		72-120		
Hexachlorocyclopentadiene	3333.33	2644.22			79		57-142		
Hexachloroethane	1666.67	1367.83			82		69-116		
Indeno (1,2,3-cd) pyrene	1666.67	1545.04			93		69-125		
Isophorone	1666.67	1433.16			86		70-118		
2-Methylnaphthalene	1666.67	1513.55			91		77-116		
2-Methylphenol	1666.67	1580.08			95		74-128		
4-Methylphenol	1666.67	1505.65			90		72-120		
Naphthalene	1666.67	1431.69			86		75-113		
2-Nitroaniline	1666.67	1627.99			98		84-126		
3-Nitroaniline	1666.67	1393			84		60-125		
4-Nitroaniline	1666.67	1209.37			73		50-112		
Nitrobenzene	1666.67	1417.83			85		70-122		
2-Nitrophenol	1666.67	1567.12			94		83-120		
4-Nitrophenol	1666.67	1277.47			77		52-133		
N-Nitroso-di-n-propylamine	1666.67	1471.91			88		67-121		
N-Nitrosodiphenylamine	1666.67	1481.15			89		83-118		
Di-n-octylphthalate	1666.67	1690.89			101		80-140		
Pentachlorophenol	1666.67	1438.22			86		56-131		
Phenanthrene	1666.67	1449.36			87		74-114		
Phenol	1666.67	1435.47			86		73-122		
Pyrene	1666.67	1400.59			84		74-112		
2,4,5-Trichlorophenol	1666.67	1609.39			97		86-123		
2,4,6-Trichlorophenol	1666.67	1665.95			100		81-123		
	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170770007A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247								
Aldrin	3.40	2.88			85		60-117		
Alpha BHC	3.33	2.92			88		65-124		
Beta BHC	3.39	2.93			87		68-129		
Gamma BHC - Lindane	3.33	2.96			89		47-140		
Alpha Chlordane	3.42	3.06			90		73-131		
Gamma Chlordane	3.43	3.22			94		76-134		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
p,p-DDD	6.60	6.51			99		69-138		
p,p-DDE	6.80	6.31			93		68-146		
p,p-DDT	6.60	6.32			96		67-135		
Delta BHC	3.42	3.06			89		45-151		
Dieldrin	6.60	6.29			95		63-126		
Endosulfan I	3.33	3.01			90		62-119		
Endosulfan II	6.77	6.13			91		65-126		
Endosulfan Sulfate	6.71	6.30			94		71-132		
Endrin	6.67	6.16			92		65-125		
Endrin Aldehyde	6.89	6.02			87		59-122		
Endrin Ketone	6.79	6.38			94		64-121		
Heptachlor	3.33	2.98			90		66-118		
Heptachlor Epoxide	3.40	3.08			91		74-128		
Methoxychlor	33.1	33.51			101		65-131		
Batch number: 170790038A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247								
PCB-1016	168	173.24			103		76-121		
PCB-1260	167	176.6			106		79-130		
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 170790041A	Sample number(s): 8887198,8887202,8887206,8887210								
Total TPH w/Si Gel	134	106.67	134	106.69	80	80	53-123	0	50
Batch number: 170800016A	Sample number(s): 8887190,8887194								
Total TPH w/Si Gel	134	95.78			71		53-123		
Batch number: 170800030A	Sample number(s): 8887214,8887218,8887222,8887227,8887231,8887239,8887243,8887247,8887255								
Total TPH w/Si Gel	134	190.63			142*		53-123		
Batch number: 170870027A	Sample number(s): 8887235,8887251,8887259								
Total TPH w/Si Gel	134	133.44			100		53-123		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170770015A	Sample number(s): 8887226,8887263								
DRO C10-C28 w/ SiGel	601	310.98	601	333.35	52	55	33-115	7	20
Batch number: 170880044A	Sample number(s): 8887226,8887263								
DRO C10-C28 w/ SiGel	601	372.92	601	249.69	62	42	33-115	40*	20
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 170795708001	Sample number(s): 8887190,8887194,8887198,8887202,8887206,8887210,8887214,8887218,8887222,8887227,8887231,8887235,8887239,8887243,8887247,8887251,8887255,8887259								
Antimony	50	50.84			102		80-120		
Arsenic	15	14.84			99		80-120		
Barium	200	196.28			98		80-120		
Beryllium	5.00	4.99			100		80-120		
Cadmium	5.00	4.98			100		80-120		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chromium	20	19.64			98		80-120		
Cobalt	50	50.27			101		80-120		
Copper	25	24.75			99		80-120		
Lead	15	14.82			99		80-120		
Molybdenum	200	200.54			100		80-120		
Nickel	50	50.9			102		80-120		
Selenium	15	14.93			100		80-120		
Silver	5.00	4.84			97		80-120		
Thallium	15	14.96			100		80-120		
Vanadium	50	49.88			100		80-120		
Zinc	50	50.6			101		80-120		
Batch number: 170795711001	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259								
Mercury	0.100	0.0883			88		80-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 170821848001	Sample number(s): 8887226, 8887263								
Antimony	0.500	0.562			112		80-120		
Arsenic	0.150	0.161			107		80-120		
Barium	2.00	2.15			108		80-120		
Beryllium	0.0500	0.0533			107		80-120		
Cadmium	0.0500	0.0552			110		80-120		
Chromium	0.200	0.213			106		80-120		
Cobalt	0.500	0.541			108		80-120		
Copper	0.250	0.273			109		80-120		
Lead	0.150	0.161			107		80-120		
Molybdenum	2.00	2.11			105		80-120		
Nickel	0.500	0.555			111		80-120		
Selenium	0.150	0.159			106		80-120		
Silver	0.0500	0.0529			106		80-120		
Thallium	0.150	0.157			105		80-120		
Vanadium	0.500	0.536			107		80-120		
Zinc	0.500	0.545			109		80-120		
Batch number: 170895705004	Sample number(s): 8887193, 8887230								
Chromium	0.200	0.203			102		80-120		
Lead	0.150	0.149			99		80-120		
Batch number: 170955713001	Sample number(s): 8887226, 8887263								
Mercury	0.00100	0.000873			87		80-120		
	%	%	%	%					
Batch number: 17079820003A	Sample number(s): 8887190, 8887194, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222								
Moisture	89.5	89.4			100		99-101		
Batch number: 17079820003B	Sample number(s): 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259								

\*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added %	LCS Conc %	LCSD Spike Added %	LCSD Conc %	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Moisture	89.5	89.4			100		99-101		
Batch number: 17080820002B	Sample number(s): 8887198								
Moisture	89.5	89.41			100		99-101		

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: B170802AA	UNSPK: P888754									
Acetone	59.44	154.32	144.42			55		32-144		
Benzene	N.D.	20.58	22.65			110		80-120		
Bromodichloromethane	N.D.	20.58	18.85			92		75-120		
Bromoform	N.D.	20.58	15.55			76		61-122		
Bromomethane	N.D.	20.58	19.38			94		39-155		
2-Butanone	25.27	154.32	187.71			105		41-134		
Carbon Disulfide	2.63	20.58	30.22			134*		60-128		
Carbon Tetrachloride	N.D.	20.58	23.76			115		69-130		
Chlorobenzene	N.D.	20.58	22.95			112		80-120		
Chloroethane	N.D.	20.58	20.6			100		50-137		
Chloroform	2.00	20.58	23.65			105		80-120		
Chloromethane	N.D.	20.58	21.46			104		56-120		
Cyclohexane	N.D.	20.58	24.14			117		58-126		
1,2-Dibromo-3-chloropropane	N.D.	20.58	14.34			70		54-120		
Dibromochloromethane	N.D.	20.58	17.89			87		71-120		
1,2-Dibromoethane	N.D.	20.58	17.48			85		80-120		
1,2-Dichlorobenzene	N.D.	20.58	20.82			101		80-120		
1,3-Dichlorobenzene	N.D.	20.58	21.21			103		80-120		
1,4-Dichlorobenzene	N.D.	20.58	22.12			107		80-120		
Dichlorodifluoromethane	N.D.	20.58	17.33			84		30-127		
1,1-Dichloroethane	N.D.	20.58	22.27			108		77-120		
1,2-Dichloroethane	N.D.	20.58	17.07			83		78-127		
1,1-Dichloroethene	N.D.	20.58	26.41			128		73-129		
cis-1,2-Dichloroethene	1.39	20.58	24.53			112		80-120		
trans-1,2-Dichloroethene	N.D.	20.58	24.45			119		80-125		
1,2-Dichloropropane	N.D.	20.58	19.97			97		76-120		
cis-1,3-Dichloropropene	N.D.	20.58	18.19			88		74-120		
trans-1,3-Dichloropropene	N.D.	20.58	18.61			90		70-120		
Ethylbenzene	N.D.	20.58	24.13			117		80-120		
Freon 113	N.D.	20.58	26.76			130		59-139		
2-Hexanone	N.D.	102.88	47.12			46		45-138		
Isopropylbenzene	N.D.	20.58	25.38			123*		76-120		

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Methyl Acetate	N.D.	20.58	12.32			60		54-155		
Methyl Tertiary Butyl Ether	N.D.	20.58	15.65			76		72-120		
4-Methyl-2-pentanone	N.D.	102.88	52.74			51*		53-134		
Methylcyclohexane	N.D.	20.58	22.04			107		56-134		
Methylene Chloride	N.D.	20.58	22.72			110		76-122		
Styrene	N.D.	20.58	23.51			114		76-120		
1,1,2,2-Tetrachloroethane	N.D.	20.58	18.29			89		67-121		
Tetrachloroethene	2.58	20.58	26.21			115		74-126		
Toluene	33.97	20.58	57.42			114		80-120		
1,2,4-Trichlorobenzene	N.D.	20.58	16.36			80		63-121		
1,1,1-Trichloroethane	N.D.	20.58	21.64			105		66-128		
1,1,2-Trichloroethane	N.D.	20.58	18.76			91		80-120		
Trichloroethene	N.D.	20.58	23.05			112		80-120		
Trichlorofluoromethane	N.D.	20.58	21.14			103		63-132		
Vinyl Chloride	N.D.	20.58	22.52			109		59-120		
Xylene (Total)	N.D.	61.73	71.64			116		80-120		
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 17077SLA026	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231									
	UNSPK: P877913									
Acenaphthene	13.9	1655.63	1591.3	1655.63	1622.11	95	97	83-116	2	30
Acenaphthylene	4.48	1655.63	1614.64	1655.63	1641.25	97	99	83-119	2	30
Acetophenone	N.D.	1655.63	1366.78	1655.63	1391.4	83	84	70-107	2	30
Anthracene	24.46	1655.63	1623.73	1655.63	1627.81	97	97	82-118	0	30
Atrazine	N.D.	1655.63	1562.76	1655.63	1592.77	94	96	52-142	2	30
Benzaldehyde	N.D.	1655.63	1324.71	1655.63	1370.45	80	83	10-93	3	30
Benzo(a)anthracene	173.41	1655.63	1786.01	1655.63	1778.33	97	97	76-119	0	30
Benzo(a)pyrene	233.06	1655.63	1789.75	1655.63	1808	94	95	78-117	1	30
Benzo(b)fluoranthene	405.29	1655.63	1805.99	1655.63	1963.64	85	94	79-121	8	30
Benzo(g,h,i)perylene	197.91	1655.63	1756.25	1655.63	1810.61	94	97	71-123	3	30
Benzo(k)fluoranthene	144.05	1655.63	1716.14	1655.63	1569.28	95	86	71-123	9	30
1,1'-Biphenyl	N.D.	1655.63	1537.37	1655.63	1597.44	93	96	78-115	4	30
4-Bromophenyl-phenylether	N.D.	1655.63	1527.98	1655.63	1558.36	92	94	78-122	2	30
Butylbenzylphthalate	N.D.	1655.63	1603.62	1655.63	1660.07	97	100	80-118	3	30
Di-n-butylphthalate	N.D.	1655.63	1590.31	1655.63	1645.84	96	99	84-120	3	30
Caprolactam	N.D.	1655.63	1476.59	1655.63	1492.77	89	90	63-121	1	30
Carbazole	59.78	1655.63	1615.43	1655.63	1600.52	94	93	80-120	1	30
4-Chloro-3-methylphenol	N.D.	1655.63	1536.43	1655.63	1584.43	93	96	78-124	3	30
4-Chloroaniline	N.D.	1655.63	1027.26	1655.63	788.85	62	48	10-110	26	30
bis(2-Chloroethoxy)methane	N.D.	1655.63	1465.51	1655.63	1539.96	89	93	77-116	5	30
bis(2-Chloroethyl)ether	N.D.	1655.63	1362.03	1655.63	1400.1	82	85	68-115	3	30
2-Chloronaphthalene	N.D.	1655.63	1417.35	1655.63	1469.92	86	89	57-148	4	30
2-Chlorophenol	N.D.	1655.63	1560.05	1655.63	1587.79	94	96	80-121	2	30
4-Chlorophenyl-phenylether	N.D.	1655.63	1536.27	1655.63	1559.4	93	94	73-119	1	30
2,2'-oxybis(1-Chloropropane)	N.D.	1655.63	1353.43	1655.63	1394.42	82	84	60-123	3	30

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Chrysene	290.58	1655.63	1730.08	1655.63	1744.86	87	88	72-121	1	30
Dibenz (a, h) anthracene	38.03	1655.63	1747.99	1655.63	1814.08	103	107	72-129	4	30
Dibenzofuran	N.D.	1655.63	1585.23	1655.63	1576.8	96	95	79-114	1	30
3,3'-Dichlorobenzidine	N.D.	1655.63	1187.83	1655.63	1162.66	72	70	12-125	2	30
2,4-Dichlorophenol	N.D.	1655.63	1656.59	1655.63	1705.37	100	103	86-125	3	30
Diethylphthalate	N.D.	1655.63	1495.44	1655.63	1550.76	90	94	81-118	4	30
2,4-Dimethylphenol	N.D.	1655.63	1173.51	1655.63	1219.36	71	74	57-109	4	30
Dimethylphthalate	N.D.	1655.63	1518.59	1655.63	1565.58	92	95	82-113	3	30
4,6-Dinitro-2-methylphenol	N.D.	1655.63	1342.93	1655.63	1323.2	81	80	53-130	1	30
2,4-Dinitrophenol	N.D.	3311.26	2596.22	3311.26	2525.54	78	76	27-136	3	30
2,4-Dinitrotoluene	N.D.	1655.63	1545.32	1655.63	1579.51	93	95	81-122	2	30
2,6-Dinitrotoluene	N.D.	1655.63	1628.97	1655.63	1654.69	98	100	80-120	2	30
bis(2-Ethylhexyl)phthalate	290.33	1655.63	1866.22	1655.63	1872.95	95	96	81-121	0	30
Fluoranthene	612.12	1655.63	2139.3	1655.63	1875.3	92	76	72-120	13	30
Fluorene	16.08	1655.63	1617.6	1655.63	1602.63	97	96	75-118	1	30
Hexachlorobenzene	N.D.	1655.63	1437.47	1655.63	1447.65	87	87	73-120	1	30
Hexachlorobutadiene	N.D.	1655.63	1548.39	1655.63	1629.16	94	98	72-120	5	30
Hexachlorocyclopentadiene	N.D.	3311.26	2449.74	3311.26	2282.55	74	69	57-142	7	30
Hexachloroethane	N.D.	1655.63	1411.83	1655.63	1460.92	85	88	69-116	3	30
Indeno (1,2,3-cd) pyrene	174.49	1655.63	1807.33	1655.63	1843.48	99	101	69-125	2	30
Isophorone	N.D.	1655.63	1470	1655.63	1532.91	89	93	70-118	4	30
2-Methylnaphthalene	3.52	1655.63	1591.5	1655.63	1614.11	96	97	77-116	1	30
2-Methylphenol	N.D.	1655.63	1511.18	1655.63	1533.17	91	93	74-128	1	30
4-Methylphenol	N.D.	1655.63	1425.93	1655.63	1450.82	86	88	72-120	2	30
Naphthalene	3.66	1655.63	1757.86	1655.63	1600.41	106	96	75-113	9	30
2-Nitroaniline	N.D.	1655.63	1693.26	1655.63	1710.39	102	103	84-126	1	30
3-Nitroaniline	N.D.	1655.63	1550.55	1655.63	1593.82	94	96	60-125	3	30
4-Nitroaniline	N.D.	1655.63	1290.41	1655.63	1273.67	78	77	50-112	1	30
Nitrobenzene	N.D.	1655.63	1490.32	1655.63	1560.46	90	94	70-122	5	30
2-Nitrophenol	N.D.	1655.63	1658.89	1655.63	1753.61	100	106	83-120	6	30
4-Nitrophenol	N.D.	1655.63	1335.45	1655.63	1376.5	81	83	52-133	3	30
N-Nitroso-di-n-propylamine	N.D.	1655.63	1372.54	1655.63	1429.37	83	86	67-121	4	30
N-Nitrosodiphenylamine	N.D.	1655.63	1525.05	1655.63	1590.4	92	96	83-118	4	30
Di-n-octylphthalate	N.D.	1655.63	1803.84	1655.63	1873.26	109	113	80-140	4	30
Pentachlorophenol	N.D.	1655.63	1544.92	1655.63	1584.12	93	96	56-131	3	30
Phenanthrene	270.85	1655.63	1935.81	1655.63	1682.97	101	85	74-114	14	30
Phenol	N.D.	1655.63	1462.84	1655.63	1483.1	88	90	73-122	1	30
Pyrene	458.08	1655.63	1940.8	1655.63	1818.59	90	82	74-112	7	30
2,4,5-Trichlorophenol	N.D.	1655.63	1685.99	1655.63	1750.68	102	106	86-123	4	30
2,4,6-Trichlorophenol	N.D.	1655.63	1771.6	1655.63	1767.09	107	107	81-123	0	30
Batch number: 17080SLI026	Sample number (s): 8887235,8887239,8887243,8887247,8887251,8887255,8887259 UNSPK:									
Acenaphthene	N.D.	1657.82	1542.25	1657.82	1691.22	93	102	83-116	9	30
Acenaphthylene	N.D.	1657.82	1542.26	1657.82	1707.39	93	103	83-119	10	30
Acetophenone	N.D.	1657.82	1436.81	1657.82	1538.74	87	93	70-107	7	30

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Anthracene	N.D.	1657.82	1524.9	1657.82	1676.22	92	101	82-118	9	30
Atrazine	N.D.	1657.82	1518.11	1657.82	1463.96	92	88	52-142	4	30
Benzaldehyde	N.D.	1657.82	1403.32	1657.82	1504.43	85	91	10-93	7	30
Benzo(a)anthracene	N.D.	1657.82	1507.93	1657.82	1667.02	91	101	76-119	10	30
Benzo(a)pyrene	N.D.	1657.82	1575.58	1657.82	1699.89	95	103	78-117	8	30
Benzo(b)fluoranthene	N.D.	1657.82	1654.91	1657.82	1758.15	100	106	79-121	6	30
Benzo(g,h,i)perylene	N.D.	1657.82	1494.47	1657.82	1680.45	90	101	71-123	12	30
Benzo(k)fluoranthene	N.D.	1657.82	1486.97	1657.82	1570.03	90	95	71-123	5	30
1,1'-Biphenyl	N.D.	1657.82	1483.11	1657.82	1645.72	89	99	78-115	10	30
4-Bromophenyl-phenylether	N.D.	1657.82	1481.14	1657.82	1626.32	89	98	78-122	9	30
Butylbenzylphthalate	N.D.	1657.82	1471.48	1657.82	1661.28	89	100	80-118	12	30
Di-n-butylphthalate	N.D.	1657.82	1514.75	1657.82	1906.78	91	115	84-120	23	30
Caprolactam	N.D.	1657.82	1539.68	1657.82	1638.06	93	99	63-121	6	30
Carbazole	N.D.	1657.82	1477.15	1657.82	1628.12	89	98	80-120	10	30
4-Chloro-3-methylphenol	N.D.	1657.82	1638.81	1657.82	1736.94	99	105	78-124	6	30
4-Chloroaniline	N.D.	1657.82	832.2	1657.82	1094.44	50	66	10-110	27	30
bis(2-Chloroethoxy)methane	N.D.	1657.82	1464.7	1657.82	1592.34	88	96	77-116	8	30
bis(2-Chloroethyl)ether	N.D.	1657.82	1392.27	1657.82	1506.82	84	91	68-115	8	30
2-Chloronaphthalene	N.D.	1657.82	1509.29	1657.82	1684.87	91	102	57-148	11	30
2-Chlorophenol	N.D.	1657.82	1610.6	1657.82	1709.81	97	103	80-121	6	30
4-Chlorophenyl-phenylether	N.D.	1657.82	1531.05	1657.82	1672.13	92	101	73-119	9	30
2,2'-oxybis(1-Chloropropane)	N.D.	1657.82	1407.92	1657.82	1507.87	85	91	60-123	7	30
Chrysene	N.D.	1657.82	1433.82	1657.82	1591.15	86	96	72-121	10	30
Dibenz(a,h)anthracene	N.D.	1657.82	1620.91	1657.82	1791.71	98	108	72-129	10	30
Dibenzofuran	N.D.	1657.82	1509.4	1657.82	1652.19	91	100	79-114	9	30
3,3'-Dichlorobenzidine	N.D.	1657.82	1211.74	1657.82	1480.09	73	89	12-125	20	30
2,4-Dichlorophenol	N.D.	1657.82	1689.03	1657.82	1802.18	102	109	86-125	6	30
Diethylphthalate	N.D.	1657.82	1498.13	1657.82	1601.6	90	97	81-118	7	30
2,4-Dimethylphenol	N.D.	1657.82	1150.78	1657.82	1178.53	69	71	57-109	2	30
Dimethylphthalate	N.D.	1657.82	1495.9	1657.82	1636.28	90	99	82-113	9	30
4,6-Dinitro-2-methylphenol	N.D.	1657.82	1351.56	1657.82	1489.97	82	90	53-130	10	30
2,4-Dinitrophenol	N.D.	3315.65	2685.76	3315.65	2986.42	81	90	27-136	11	30
2,4-Dinitrotoluene	N.D.	1657.82	1553.8	1657.82	1680.54	94	101	81-122	8	30
2,6-Dinitrotoluene	N.D.	1657.82	1603.39	1657.82	1759.67	97	106	80-120	9	30
bis(2-Ethylhexyl)phthalate	N.D.	1657.82	1532.16	1657.82	1697.37	92	102	81-121	10	30
Fluoranthene	N.D.	1657.82	1446.71	1657.82	1597.92	87	96	72-120	10	30
Fluorene	N.D.	1657.82	1537.59	1657.82	1677.55	93	101	75-118	9	30
Hexachlorobenzene	N.D.	1657.82	1432.26	1657.82	1552.48	86	94	73-120	8	30
Hexachlorobutadiene	N.D.	1657.82	1488.43	1657.82	1622.15	90	98	72-120	9	30
Hexachlorocyclopentadiene	N.D.	3315.65	2447.97	3315.65	2884.11	74	87	57-142	16	30
Hexachloroethane	N.D.	1657.82	1398.21	1657.82	1518.12	84	92	69-116	8	30
Indeno(1,2,3-cd)pyrene	N.D.	1657.82	1543.73	1657.82	1742.22	93	105	69-125	12	30
Isophorone	N.D.	1657.82	1474.39	1657.82	1603.63	89	97	70-118	8	30
2-Methylnaphthalene	N.D.	1657.82	1570.02	1657.82	1688.83	95	102	77-116	7	30
2-Methylphenol	N.D.	1657.82	1594.61	1657.82	1680.98	96	101	74-128	5	30
4-Methylphenol	N.D.	1657.82	1566.68	1657.82	1659.3	95	100	72-120	6	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Naphthalene	N.D.	1657.82	1484.84	1657.82	1609.24	90	97	75-113	8	30
2-Nitroaniline	N.D.	1657.82	1658.64	1657.82	1843.04	100	111	84-126	11	30
3-Nitroaniline	N.D.	1657.82	1503.51	1657.82	1652.75	91	100	60-125	9	30
4-Nitroaniline	N.D.	1657.82	1202.07	1657.82	1504.61	73	91	50-112	22	30
Nitrobenzene	N.D.	1657.82	1459.72	1657.82	1581.96	88	95	70-122	8	30
2-Nitrophenol	N.D.	1657.82	1654.02	1657.82	1816.02	100	110	83-120	9	30
4-Nitrophenol	N.D.	1657.82	1250.1	1657.82	1385.53	75	84	52-133	10	30
N-Nitroso-di-n-propylamine	N.D.	1657.82	1494.38	1657.82	1603.61	90	97	67-121	7	30
N-Nitrosodiphenylamine	N.D.	1657.82	1484.71	1657.82	1624.93	90	98	83-118	9	30
Di-n-octylphthalate	N.D.	1657.82	1849.94	1657.82	1887.92	112	114	80-140	2	30
Pentachlorophenol	N.D.	1657.82	1206.53	1657.82	1461.01	73	88	56-131	19	30
Phenanthrene	N.D.	1657.82	1445.09	1657.82	1604.28	87	97	74-114	10	30
Phenol	N.D.	1657.82	1477.15	1657.82	1580.09	89	95	73-122	7	30
Pyrene	N.D.	1657.82	1413.15	1657.82	1544.37	85	93	74-112	9	30
2,4,5-Trichlorophenol	N.D.	1657.82	1628.91	1657.82	1802.3	98	109	86-123	10	30
2,4,6-Trichlorophenol	N.D.	1657.82	1609.71	1657.82	1768.09	97	107	81-123	9	30
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170770007A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247 UNSPK: 8887194									
Aldrin	N.D.	3.38	2.57	3.37	2.58	76	77	60-117	0	50
Alpha BHC	N.D.	3.31	2.65	3.30	2.54	80	77	65-124	4	50
Beta BHC	N.D.	3.36	2.79	3.36	2.69	83	80	68-129	4	50
Gamma BHC - Lindane	N.D.	3.31	2.70	3.30	2.63	82	80	47-140	3	50
Alpha Chlordane	N.D.	3.39	2.71	3.38	2.69	80	80	73-131	1	50
Gamma Chlordane	N.D.	3.41	2.81	3.40	2.74	83	81	76-134	3	50
p,p-DDD	N.D.	6.56	6.40	6.54	6.24	98	95	69-138	3	50
p,p-DDE	N.D.	6.75	6.05	6.74	5.95	90	88	68-146	2	50
p,p-DDT	N.D.	6.56	6.10	6.54	6.25	93	95	67-135	2	50
Delta BHC	N.D.	3.40	2.87	3.39	2.72	84	80	45-151	5	50
Dieldrin	N.D.	6.56	5.50	6.54	5.35	84	82	63-126	3	50
Endosulfan I	N.D.	3.31	2.66	3.30	2.57	80	78	62-119	3	50
Endosulfan II	N.D.	6.72	5.39	6.70	5.23	80	78	65-126	3	50
Endosulfan Sulfate	N.D.	6.67	5.42	6.65	5.41	81	81	71-132	0	50
Endrin	N.D.	6.62	5.59	6.60	5.54	84	84	65-125	1	50
Endrin Aldehyde	N.D.	6.85	5.39	6.83	5.10	79	75	59-122	5	35
Endrin Ketone	N.D.	6.75	5.63	6.73	5.48	83	81	64-121	3	50
Heptachlor	N.D.	3.31	2.76	3.30	2.75	84	83	66-118	1	50
Heptachlor Epoxide	N.D.	3.38	2.74	3.37	2.65	81	79	74-128	3	50
Methoxychlor	N.D.	32.9	32.75	32.8	32.35	100	99	65-131	1	50
Batch number: 170790038A	Sample number(s): 8887190,8887194,8887202,8887210,8887227,8887231,8887239,8887247 UNSPK: 8887210									
PCB-1016	N.D.	167	144.56	166	145.35	87	88	76-121	1	50
PCB-1260	N.D.	166	153.48	165	155.11	92	94	79-130	1	50

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 170800016A Total TPH w/Si Gel	Sample number(s): 8887190,8887194 UNSPK: P884229 N.D. 134 84.01 63 53-123									
Batch number: 170800030A Total TPH w/Si Gel	Sample number(s): 8887214,8887218,8887222,8887227,8887231,8887239,8887243,8887247,8887255 UNSPK: 8887255 N.D. 131 134.93 103 53-123									
Batch number: 170870027A Total TPH w/Si Gel	Sample number(s): 8887235,8887251,8887259 UNSPK: P887255 N.D. 131 61.93 47* 53-123									
Batch number: 170795708001	Sample number(s): 8887190,8887194,8887198,8887202,8887206,8887210,8887214,8887218,8887222,8887227,8887231,8887235,8887239,8887243,8887247,8887251,8887255,8887259 UNSPK: P885838									
Antimony	6.64	48.54	38.79	48.54	36.55	66*	62*	75-125	6	20
Arsenic	10.56	14.56	17.56	14.56	20.42	48*	68*	75-125	15	20
Barium	12.39	194.17	166.16	194.17	170.51	79	81	75-125	3	20
Beryllium	N.D.	4.85	3.81	4.85	3.86	78	79	75-125	1	20
Cadmium	N.D.	4.85	4.05	4.85	4.06	83	84	75-125	0	20
Chromium	32.27	19.42	26.94	19.42	30.25	-27*	-10*	75-125	12	20
Cobalt	2.12	48.54	40.06	48.54	40.67	78	79	75-125	2	20
Copper	4.27	24.27	21.28	24.27	22.45	70*	75	75-125	5	20
Lead	7.30	14.56	14.85	14.56	17.21	52*	68*	75-125	15	20
Molybdenum	2.59	194.17	162.08	194.17	162.2	82	82	75-125	0	20
Nickel	12.98	48.54	46.8	48.54	47.23	70*	71*	75-125	1	20
Selenium	N.D.	14.56	10.26	14.56	8.28	70*	57*	75-125	21*	20
Silver	44.24	4.85	109.01	4.85	111.55	1334	1387	75-125	2	20
Thallium	N.D.	14.56	10.56	14.56	10.14	72*	70*	75-125	4	20
Vanadium	2.32	48.54	41.07	48.54	42.13	80	82	75-125	3	20
Zinc	42.61	48.54	60.81	48.54	70.92	37*	58*	75-125	15	20
Batch number: 170795711001	Sample number(s): 8887190,8887194,8887198,8887202,8887206,8887210,8887214,8887218,8887222,8887227,8887231,8887235,8887239,8887243,8887247,8887251,8887255,8887259 UNSPK: P885838									
Mercury	N.D.	0.167	0.166	0.167	0.164	100	98	80-120	1	20
Batch number: 170821848001	Sample number(s): 8887226,8887263 UNSPK: P886108									
Antimony	N.D.	0.500	0.586	0.500	0.585	117	117	75-125	0	20
Arsenic	N.D.	0.150	0.165	0.150	0.163	110	109	75-125	1	20
Barium	0.00903	2.00	1.98	2.00	2.20	99	110	75-125	11	20
Beryllium	N.D.	0.0500	0.0522	0.0500	0.0524	104	105	75-125	0	20
Cadmium	N.D.	0.0500	0.0537	0.0500	0.0534	107	107	75-125	1	20
Chromium	0.00191	0.200	0.205	0.200	0.205	101	102	75-125	0	20

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Cobalt	N.D.	0.500	0.537	0.500	0.541	107	108	75-125	1	20
Copper	N.D.	0.250	0.280	0.250	0.280	112	112	75-125	0	20
Lead	N.D.	0.150	0.153	0.150	0.158	102	105	75-125	3	20
Molybdenum	0.00404	2.00	2.21	2.00	2.24	110	112	75-125	1	20
Nickel	N.D.	0.500	0.545	0.500	0.547	109	109	75-125	0	20
Selenium	N.D.	0.150	0.164	0.150	0.166	110	111	75-125	1	20
Silver	N.D.	0.0500	0.0531	0.0500	0.0546	106	109	75-125	3	20
Thallium	N.D.	0.150	0.164	0.150	0.161	109	107	75-125	2	20
Vanadium	N.D.	0.500	0.546	0.500	0.546	109	109	75-125	0	20
Zinc	N.D.	0.500	0.562	0.500	0.564	112	113	75-125	0	20
Batch number: 170895705004	Sample number(s): 8887193,8887230 UNSPK: P884187									
Chromium	0.199	5.00	5.22	5.00	5.25	100	101	75-125	1	20
Lead	0.436	3.75	4.12	3.75	4.17	98	100	75-125	1	20
Batch number: 170955713001	Sample number(s): 8887226,8887263 UNSPK: 8887226									
Mercury	N.D.	0.00100	0.000878	0.00100	0.000868	88	87	80-120	1	20

### Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Batch number: 170800016A	Sample number(s): 8887190,8887194 BKG: P884229			
C13-C22 w/Si Gel	N.D.	N.D.	0 (1)	50
C23-C40 w/Si Gel	N.D.	N.D.	0 (1)	50
Total TPH w/Si Gel	N.D.	N.D.	0 (1)	50
Batch number: 170800030A	Sample number(s): 8887214,8887218,8887222,8887227,8887231,8887239,8887243,8887247,8887255 BKG: 8887255			
C13-C22 w/Si Gel	N.D.	N.D.	0 (1)	50
C23-C40 w/Si Gel	N.D.	N.D.	0 (1)	50
Total TPH w/Si Gel	N.D.	N.D.	0 (1)	50
Batch number: 170870027A	Sample number(s): 8887235,8887251,8887259 BKG: P887255			
C13-C22 w/Si Gel	N.D.	N.D.	0 (1)	50
C23-C40 w/Si Gel	N.D.	N.D.	0 (1)	50
Total TPH w/Si Gel	N.D.	N.D.	0 (1)	50
	mg/kg	mg/kg		

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Batch number: 170795708001	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259 BKG: P885838			
Antimony	6.64	9.91	40* (1)	20
Arsenic	10.56	7.55	33* (1)	20
Barium	12.39	9.06	31*	20
Beryllium	N.D.	N.D.	0 (1)	20
Cadmium	N.D.	N.D.	0 (1)	20
Chromium	32.27	21.07	42*	20
Cobalt	2.12	1.38	43* (1)	20
Copper	4.27	3.08	32* (1)	20
Lead	7.30	5.24	33* (1)	20
Molybdenum	2.59	2.74	6 (1)	20
Nickel	12.98	11.05	16	20
Selenium	N.D.	N.D.	0 (1)	20
Silver	44.24	61.85	33*	20
Thallium	N.D.	N.D.	0 (1)	20
Vanadium	2.32	1.63	35* (1)	20
Zinc	42.61	29.66	36*	20
Batch number: 170795711001	Sample number(s): 8887190, 8887194, 8887198, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222, 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259 BKG: P885838			
Mercury	N.D.	N.D.	0 (1)	20
	mg/l	mg/l		
Batch number: 170821848001	Sample number(s): 8887226, 8887263 BKG: P886108			
Antimony	N.D.	N.D.	0 (1)	20
Arsenic	N.D.	N.D.	0 (1)	20
Barium	0.00903	0.00871	4 (1)	20
Beryllium	N.D.	N.D.	0 (1)	20
Cadmium	N.D.	N.D.	0 (1)	20
Chromium	0.00191	0.00195	2 (1)	20
Cobalt	N.D.	N.D.	0 (1)	20
Copper	N.D.	N.D.	0 (1)	20
Lead	N.D.	N.D.	0 (1)	20
Molybdenum	0.00404	0.00413	2 (1)	20
Nickel	N.D.	N.D.	0 (1)	20
Selenium	N.D.	N.D.	0 (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	N.D.	N.D.	0 (1)	20
Vanadium	N.D.	N.D.	0 (1)	20
Zinc	N.D.	N.D.	0 (1)	20
Batch number: 170895705004	Sample number(s): 8887193, 8887230 BKG: P884187			
Chromium	0.199	0.213	7 (1)	20
Lead	0.436	0.456	5 (1)	20

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 170955713001 Mercury	Sample number(s): 8887226, 8887263 N.D.	BKG: 8887226 N.D.	0 (1)	20
	%	%		
Batch number: 17079820003A Moisture	Sample number(s): 8887190, 8887194, 8887202, 8887206, 8887210, 8887214, 8887218, 8887222 P887198	8.87	11.01	22* 5
Batch number: 17079820003B Moisture	Sample number(s): 8887227, 8887231, 8887235, 8887239, 8887243, 8887247, 8887251, 8887255, 8887259 BKG: 8887231	7.17	6.79	5 5
Batch number: 17080820002B Moisture	Sample number(s): 8887198 BKG: 8887198	11.52	11.51	0 5

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170781AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8887190	106	105	96	89
8887194	105	103	97	88
Blank	101	103	96	93
LCS	101	108	99	101
LCSD	100	103	98	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170791AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8887198	103	101	96	92
8887202	105	105	95	94
8887206	105	107	94	93
8887210	104	103	95	90
8887214	104	102	96	90
8887218	104	102	96	91
8887222	105	101	97	89
8887227	106	104	98	87
8887231	106	104	96	90

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170791AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8887235	108	106	97	88
8887239	107	109	94	92
8887243	106	104	95	89
8887247	105	99	95	89
8887251	108	110	95	91
8887255	107	103	96	88
8887259	108	103	113	67
Blank	101	99	97	94
LCS	102	103	99	100
LCSD	102	102	99	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170802AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8887259RE	103	104	137	60
Blank	98	102	102	91
LCS	98	104	104	97
LCSD	97	100	105	97
MS	93	86	108	94
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: W170831AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8887226	101	102	98	95
8887263	100	102	98	94
Blank	100	105	99	95
LCS	100	105	100	100
LCSD	101	100	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TCL 8270 (microwave)  
Batch number: 17077SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8887190	77	79	86	80	85	87
8887194	87	88	76	86	92	87
8887198	82	83	76	84	90	90
8887202	80	82	79	80	85	85
8887206	88	92	85	91	97	95
8887210	89	91	82	88	92	94
8887214	88	89	87	87	92	91

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL 8270 (microwave)  
Batch number: 17077SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8887218	87	89	89	85	90	94
8887222	88	91	88	89	92	91
8887227	92	94	87	92	98	91
8887231	80	83	74	79	83	82
Blank	88	92	86	88	92	90
LCS	90	88	92	87	95	95
MS	91	94	83	89	93	89
MSD	92	95	84	92	96	92
Limits:	46-125	43-130	28-141	45-125	50-124	43-132

Analysis Name: TCL 8270 (microwave)  
Batch number: 17080SLI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8887235	96	95	85	88	92	89
8887239	82	80	78	75	78	80
8887243	84	86	75	80	84	83
8887247	96	96	70	89	92	90
8887251	89	88	78	81	85	83
8887255	88	90	84	82	85	83
8887259	97	97	77	88	91	89
Blank	92	94	91	88	89	88
LCS	95	94	83	85	89	86
MS	98	97	78	88	89	85
MSD	104	103	86	94	99	94
Limits:	46-125	43-130	28-141	45-125	50-124	43-132

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170770007A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8887190	82	86
8887194	89	87
8887202	87	83
8887210	90	94
8887227	87	106
8887231	93	82
8887239	88	84
8887247	98	92
Blank	88	99
LCS	87	98
MS	82	84
MSD	79	81

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170770007A

Limits: 26-145 39-152

Analysis Name: PCBs in Soil (microwave)  
Batch number: 170790038A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8887190	59	62
8887194	97	95
8887202	95	98
8887210	95	96
8887227	83	87
8887231	98	105
8887239	90	91
8887247	95	101
Blank	108	109
LCS	107	109
MS	94	96
MSD	96	100

Limits: 53-140 45-143

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170770015A

	Orthoterphenyl	Capric Acid
8887226	25*	0
8887263	44*	0
Blank	80	
LCS	64	
LCSD	67	

Limits: 50-150 0-1

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170790041A

	Orthoterphenyl
8887198	96
8887202	81
8887206	79
8887210	80
Blank	84
LCS	99
LCSD	90

Limits: 44-128

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170800016A

Orthoterphenyl	
8887190	94
8887194	85
Blank	83
DUP	78
LCS	85
MS	89

Limits: 44-128

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170800030A

Orthoterphenyl	
8887214	150*
8887218	151*
8887222	150*
8887227	138*
8887231	148*
8887239	148*
8887243	123
8887247	118
8887255	126
Blank	147*
DUP	131*
LCS	166*
MS	129*

Limits: 44-128

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170870027A

Orthoterphenyl	
8887235	84
8887251	82
8887259	83
Blank	80
DUP	86
LCS	109
MS	72

Limits: 44-128

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170880044A

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:26

Group Number: 1777491

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170880044A

	Orthoterphenyl	Capric Acid
8887226RE	49*	0
8887263RE	50	0
Blank	27*	
LCS	70	
LCSD	61	
Limits:	50-150	0-1

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



13439/1777491/8887190-263



**Stantec Consulting Corporation**  
 15575 Los Gatos Blvd, Building C  
 Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 1 of 4

<b>Project Contact (Hardcopy or PDF To):</b> Madelaine Montilla		<b>California EDF Report?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																													
<b>Laboratory / Address:</b> Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601		<b>Electronic Deliverables To (Email Address):</b> <u>Madelaine.Montilla@stantec.com</u>		<b>Analysis Request</b>																													
<b>Lab Phone No.:</b> 717-656-2300 ext:1073		<b>Lab PM:</b> David Velasquez		<b>Global ID No.:</b>		<b>EPA Method 8260 (VOCs)</b>		<b>EPA Method 8260 (TPH-gas)</b>		<b>EPA Method 8015 (TPHd) w/Si-Gel Cleanup</b>		<b>EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup</b>		<b>EPA Method 8270 (SVOCs)</b>		<b>EPA Method 6010 / 7471 (CAM-17 Metals)</b>		<b>EPA Method 8081 (Organochlorine Pesticide)</b>		<b>EPA Method 8082 (PCBs)</b>		<b>CARB Method 435 (Asbestos)</b>		<b>CA Waste Extraction Test (3 soluble metals)</b>		<b>Toxicity Characteristic Leaching Procedure</b>		<b>Number of Containers</b>		<b>12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)</b>		<b>TAT</b>	
<b>Project Number:</b> 185703649.200.0001		<b>P.O. No.:</b>		<b>Samplers Name:</b> Sergio Schirripa		<b>EPA Method 8260 (VOCs)</b>		<b>EPA Method 8260 (TPH-gas)</b>		<b>EPA Method 8015 (TPHd) w/Si-Gel Cleanup</b>		<b>EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup</b>		<b>EPA Method 8270 (SVOCs)</b>		<b>EPA Method 6010 / 7471 (CAM-17 Metals)</b>		<b>EPA Method 8081 (Organochlorine Pesticide)</b>		<b>EPA Method 8082 (PCBs)</b>		<b>CARB Method 435 (Asbestos)</b>		<b>CA Waste Extraction Test (3 soluble metals)</b>		<b>Toxicity Characteristic Leaching Procedure</b>		<b>Number of Containers</b>		<b>12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)</b>		<b>TAT</b>	
<b>Project Address:</b> City of Palo Alto: Lots C-6 & C-7		<b>Project Address:</b> Birch Street Between Jacaranda and Sherman, Palo Alto, CA		<b>Project Address:</b> Birch Street Between Jacaranda and Sherman, Palo Alto, CA		<b>EPA Method 8260 (VOCs)</b>		<b>EPA Method 8260 (TPH-gas)</b>		<b>EPA Method 8015 (TPHd) w/Si-Gel Cleanup</b>		<b>EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup</b>		<b>EPA Method 8270 (SVOCs)</b>		<b>EPA Method 6010 / 7471 (CAM-17 Metals)</b>		<b>EPA Method 8081 (Organochlorine Pesticide)</b>		<b>EPA Method 8082 (PCBs)</b>		<b>CARB Method 435 (Asbestos)</b>		<b>CA Waste Extraction Test (3 soluble metals)</b>		<b>Toxicity Characteristic Leaching Procedure</b>		<b>Number of Containers</b>		<b>12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)</b>		<b>TAT</b>	

Project Manager: Madelaine Montilla Phone: 408-827-3534	Sampling		Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only	
	Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL															
<b>Sample Name</b>	<b>Date</b>	<b>Time</b>	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only	
C7-1-1	3/15/17	0833	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-5		1059	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-10		1107	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-15		1114	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-20		1120	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-25		1123	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-30		1129	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-35		1138	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
C7-1-40		1140	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X				1	STD	
<del>C7-1-W</del>	<del>3/15/17</del>	<del>1155</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>		<del>X</del>		<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>				<del>1</del>	<del>STD</del>	

<b>Relinquished by:</b> 	<b>Date</b> 3/15/17	<b>Time</b> 1700	<b>Received by:</b> Fed EX	<b>Remarks:</b> Hold ALL samples for further TCLP or STLC analysis.
<b>Relinquished by:</b>	<b>Date</b>	<b>Time</b>	<b>Received by:</b>	
<b>Relinquished by:</b>	<b>Date</b>	<b>Time</b>	<b>Received by Laboratory:</b> Kerr	
<b>Bill To: Madelaine Montilla</b> Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032				

13439 / 1777491 / 8887190 - 263



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 2 of 4

Project Contact (Hardcopy or PDF To):  
Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:  
Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):  
Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.: 717-656-2300 ext:1073  
Lab PM: David Velasquez

Global ID No:

Project Number: 185703649.200.0001  
P.O. No.:

Samplers Name: Sergio Schirripa

Project Name: City of Palo Alto: Lots C-6 & C-7

Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:  
Madelaine Montilla  
Phone: 408-827-3534

Sample Name	Sampling		Container				Preservative				Matrix		Analysis Request												Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	TAT	For Lab Use Only		
	Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure							
<del>44</del> C7-1-1			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
<del>44</del> C7-1-5			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
<del>44</del> C7-1-10			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-15			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-20			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-25			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-30			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-35			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>44</del> C7-1-40			X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C7-1-W	3/19/17	1155	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	STD		

Relinquished by:

Date: 3/19/17  
Time: 1700  
Received by: FedEX

Remarks:  
Hold ALL samples for further TCLP or STLC analysis.

Relinquished by: \_\_\_\_\_

Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Received by: \_\_\_\_\_

Relinquished by:

Date: 3/14/17  
Time: 1000  
Received by Laboratory:

Bill To: Madelaine Montilla  
Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439/1777491/8887190-263



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 3 of 4

<b>Project Contact (Hardcopy or PDF To):</b> Madeline Montilla			<b>California EDF Report?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					<b>Chain-of-Custody Record and Analysis Request</b>																					
<b>Laboratory / Address:</b> Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601			<b>Electronic Deliverables To (Email Address):</b> <u>Madeline.Montilla@stantec.com</u>					<b>Analysis Request</b>																					
<b>Lab Phone No.:</b> 717-656-2300 ext:1073		<b>Lab PM:</b> David Velasquez	<b>Global ID No.:</b>					EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure					Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only				
<b>Project Number:</b> 185703649.200.0001		<b>P.O. No.:</b>	<b>Samplers Name:</b> Sergio Schirripa																										
<b>Project Name:</b> City of Palo Alto: Lots C-6 & C-7			<b>Project Address:</b> Birch Street Between Jacaranda and Sherman, Palo Alto, CA																										
<b>Project Manager:</b> Madeline Montilla Phone: 408-827-3534			<b>Sampling</b>		<b>Container</b>			<b>Preservative</b>				<b>Matrix</b>																	
<b>Sample Name</b>			<b>Date</b>	<b>Time</b>	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL															
C7-2-1			3/15/17	1325	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-5			3/15/17	1403	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-10			3/15/17	1410	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-15			3/15/17	1415	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-20			3/15/17	1425	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-25			3/15/17	1429	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-30			3/15/17	1433	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C7-2-35			3/15/17	1439	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
<del>C7-2-40</del> C7-2-43			3/15/17	1502	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
<del>C7-2-W</del>			3/15/17	1515	X	X	XSS	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	6	STD	
<b>Relinquished by:</b> <i>[Signature]</i>			<b>Date</b> 3/15/17	<b>Time</b> 1700	<b>Received by:</b> Fed EX			<b>Remarks:</b> Hold ALL samples for further TCLP or STLC analysis.																					
<b>Relinquished by:</b>			<b>Date</b>	<b>Time</b>	<b>Received by:</b>																								
<b>Relinquished by:</b>			<b>Date</b> 3/16/17	<b>Time</b> 1200	<b>Received by Laboratory:</b> <i>[Signature]</i>																								
																						<b>Bill To: Madeline Montilla</b>							
																						Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032							

13439/177491/8887190-263



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 4 of 4

Project Contact (Hardcopy or PDF To): Madelaine Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																															
Laboratory / Address: Eurofins-Lancaster Labs, 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): Madelaine.Montilla@stantec.com		Analysis Request																															
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:		TAT																															
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa		For Lab Use Only																															
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA																																	
Project Manager: Madelaine Montilla Phone: 408-827-3534		Sampling		Container			Preservative				Matrix																								
Sample Name		Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure								Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)		
<del>99 G7-2-1</del>				X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X											1	STD	
<del>99 G7-2-5</del>				X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X											1	STD	
<del>99 G7-2-10</del>				X	X	X		X	X	X			X	X	X	X	X	X	X														1	STD	
<del>99 G7-2-15</del>				X	X	X		X	X	X			X	X	X	X	X	X	X	X	X												1	STD	
<del>99 G7-2-20</del>				X	X	X		X	X	X			X	X	X	X	X	X	X			X										1	STD		
<del>99 G7-2-25</del>				X	X	X		X	X	X			X	X	X	X	X	X	X	X	X											1	STD		
<del>99 G7-2-30</del>				X	X	X		X	X	X			X	X	X	X	X	X	X													1	STD		
<del>99 G7-2-35</del>				X	X	X		X	X	X			X	X	X	X	X	X	X													1	STD		
<del>99 G7-2-40</del>				X	X	X		X	X	X			X	X	X	X	X	X	X													1	STD		
C7-2-W		3/19/17	1915	X	X	X	99x			X			X	X	X	X	X	X	X													6	STD		
Relinquished by:		Date	Time	Received by:		Remarks:																													
		3/19/17	1700	Fed EX		Hold ALL samples for further TCLP or STLC analysis.																													
Relinquished by: _____		Date	Time	Received by:																															
Relinquished by: _____		Date	Time	Received by Laboratory:		Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																													
		3/16/17	1000																																



Group Number(s):

1777491

 Client: Stantec
**Delivery and Receipt Information**

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>03/16/2017 10:00</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>CA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Tanya Brasch (24906) at 17:31 on 03/16/2017

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	0.8	DT	Wet	Y	Bagged	N



Group Number(s):

1777491

Client: Stantec

**Delivery and Receipt Information**

Delivery Method: Fed Ex                      Arrival Timestamp: 03/16/2017 12:10  
 Number of Packages: 1                      Number of Projects: 1  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Karen Diem (3060) at 17:31 on 03/16/2017

**Samples Chilled Details**

Thermometer Types:    *DT = Digital (Temp. Bottle)*    *IR = Infrared (Surface Temp)*    All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	3.5	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Report Date: April 12, 2017

**Project: City of Palo Alto: Lots C-6 & C-7**Submittal Date: 03/16/2017  
Group Number: 1777494  
PO Number: 185703649.200.0003Client Sample Description

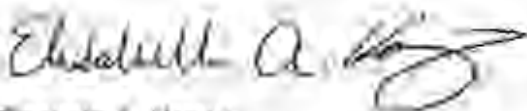
	Lancaster Labs (LL) #
C7-1-1 Soil	8887274
C7-1-5 Soil	8887275
C7-1-20 Soil	8887276
C7-2-1 Soil	8887277
C7-2-5 Soil	8887278
C7-2-20 Soil	8887279

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Stantec

Attn: Madelaine Montilla

Respectfully Submitted,

  
Elizabeth A. Kinsey  
Project Manager

(717) 556-7262



Sample Description: C7-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887274  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 08:33 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

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### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887275  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 10:59 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

Sample Description: C7-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887276  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 11:20 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-2-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887277  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 13:25 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-2-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887278  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:03 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

Sample Description: C7-2-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8887279  
LL Group # 1777494  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 14:25 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/16/2017 12:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/12/2017 09:11

Group Number: 1777494

---

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

13439/1777494/8887274-79



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 1 of 4

Project Contact (Hardcopy or PDF To): Madelaine Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																							
Laboratory / Address: Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): Madelaine.Montilla@stantec.com		Analysis Request										TAT													
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:																									
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa																									
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA																									
Project Manager: Madelaine Montilla Phone: 408-827-3534		Sampling		Container			Preservative				Matrix																
Sample Name		Date	Time	40 ml VOA x3	POLY	AMBER	Sieve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr / 24 hr / 48 hr / 72 hr / STD (1 wk)	For Lab Use Only
C7-1-1	3/15/17	0833	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-5		1059	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-10		1107	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
C7-1-15		1114	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
C7-1-20		1120	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-25		1123	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-30		1129	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
C7-1-35		1139	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
C7-1-40		1140	X X X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
<del>SS</del> C7-1-W		3/15/17	1155	X X X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X				1	STD	
Relinquished by:		Date	Time	Received by:		Remarks:																					
		3/15/17	1700	Fed EX		Hold ALL samples for further TCLP or STLC analysis.																					
Relinquished by:		Date	Time	Received by:																							
Relinquished by:		Date	Time	Received by Laboratory:		Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																					
		3/16/17	1210																								



13439/1777494/8887274-79



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 2 of 4

Project Contact (Hardcopy or PDF To): Madelaine Montilla			California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Chain-of-Custody Record and Analysis Request																					
Laboratory / Address: Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601			Electronic Deliverables To (Email Address): Madelaine.Montilla@stantec.com				Analysis Request																					
Lab Phone No.: 717-656-2300 ext:1073		Lab PM: David Velasquez	Global ID No:				EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	TAT	For Lab Use Only								
Project Number: 185703649.200.0001		P.O. No.:	Samplers Name: Sergio Schirripa				EPA Method 8015 (TPH-gas)	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only										
Project Name: City of Palo Alto: Lots C-6 & C-7			Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA				EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only								
Project Manager: Madelaine Montilla Phone: 408-827-3534			Sampling		Container			Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only	
Sample Name			Date	Time	40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only
<del>44 C7-1-1</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-5</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-10</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-15</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-20</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-25</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-30</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-35</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
<del>44 C7-1-40</del>					X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X			1	STD	
C7-1-W			3/15/17	1155	X	X	X	X		X			X		X	X	X	X	X	X						6	STD	
Relinquished by:			Date	Time	Received by:				Remarks:																			
			3/15/17	1700	FedEX				Hold ALL samples for further TCLP or STLC analysis.																			
Relinquished by:			Date	Time	Received by:																							
Relinquished by:			Date	Time	Received by Laboratory:				Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																			
			3/14/17	1000																								

13439/1777494/8887274-79



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 3 of 4

Project Contact (Hardcopy or PDF To):  
Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:  
Eurofins-Lancaster Labs,  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):  
Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.: 717-656-2300 ext:1073  
Lab PM: David Velasquez

Global ID No:

Project Number: 185703649.200.0001  
P.O. No.:

Samplers Name: Sergio Schirripa

Project Name:  
City of Palo Alto: Lots C-6 & C-7

Project Address:  
Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:  
Madelaine Montilla  
Phone: 408-827-3534

Sample Name	Date	Time	Sampling				Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCS)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr / 24 hr / 48 hr / 72 hr / STD (1 wk)	TAT	For Lab Use Only
			40 ml VOA x3	POLY	AMBER	Sieve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																			
C7-2-1	3/15/17	1325	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X				1	STD	
C7-2-5		1403	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X				1	STD	
C7-2-10		1410	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X								1	STD	
C7-2-15		1415	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X	X	X						1	STD	
C7-2-20		1425	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X		X						1	STD	
C7-2-25		1429	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X	X	X						1	STD	
C7-2-30		1432	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X								1	STD	
C7-2-35		1439	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X								1	STD	
<del>C7-2-40</del> C7-2-43		1502	X	X	XSS	X	X	X	X						X	X	X	X	X	X	X								1	STD	
<del>G7-2-W</del>		1515	X	X	XSS	X			X						X	X	X	X	X	X									6	STD	

Relinquished by: Date: 3/15/17 Time: 1700 Received by: FedEx

Remarks:  
Hold ALL samples for further TCLP or STLC analysis.

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by: Date: 3/16/17 Time: 1200 Received by Laboratory:

Bill To: Madelaine Montilla  
Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439/1777494/8887274-79



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 4 of 4

Project Contact (Hardcopy or PDF To): Madelaine Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																		
Laboratory / Address: Eurofins-Lancaster Labs, 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): Madelaine.Montilla@stantec.com		<b>Analysis Request</b>													TAT					
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-olf) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only					
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa																				
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA																				
Project Manager: Madelaine Montilla Phone: 408-827-3534		<b>Sampling</b>		<b>Container</b>				<b>Preservative</b>				<b>Matrix</b>										
<b>Sample Name</b>		Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL									
				EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-olf) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only					
<del>99-G7-2-1</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-G7-2-5</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-10</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-15</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-G7-2-20</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-25</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-30</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-35</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
<del>99-C7-2-40</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	1	STD	
C7-2-W		3/15/17	1315	X	X	X	99x		X			X		X	X	X	X	X	X	6	STD	
Relinquished by:		Date: 3/15/17	Time: 1700	Received by: Fed EX		Remarks: Hold ALL samples for further TCLP or STLC analysis.																
Relinquished by: _____		Date: _____	Time: _____	Received by: _____																		
Relinquished by: _____		Date: 3/16/17	Time: 1000	Received by Laboratory:																		
																Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032						



Group Number(s):

1777494

Client: Stantec

**Delivery and Receipt Information**

Delivery Method: Fed Ex                      Arrival Timestamp: 03/16/2017 10:00  
 Number of Packages: 1                      Number of Projects: 1  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Tanya Brasch (24906) at 17:31 on 03/16/2017*

**Samples Chilled Details**

Thermometer Types:    *DT = Digital (Temp. Bottle)    IR = Infrared (Surface Temp)*    All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	0.8	DT	Wet	Y	Bagged	N



Group Number(s):

Client: Stantec

**Delivery and Receipt Information**

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>03/16/2017 12:10</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>CA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Karen Diem (3060) at 17:31 on 03/16/2017*

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	3.5	DT	Wet	Y	Bagged	N



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

**EMSL Order:** 041707706  
**Customer ID:** LANC55  
**Customer PO:**  
**Project ID:**

**Attention:** Janine Eaby  
Eurofins Lancaster Laboratories, Inc.  
2425 New Holland Pike  
Lancaster, PA 17601

**Phone:** (717) 656-2300  
**Fax:** (717) 656-2681  
**Received:** 03/21/2017 9:40 AM  
**Analysis Date:** 04/04/2017 - 04/05/2017  
**Collected:** 03/15/2017

**Project:** Group 1777494

## Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
C7-1-1 041707706-0001		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-1-5 041707706-0002		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-1-20 041707706-0003		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-2-1 041707706-0004		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-2-5 041707706-0005		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-2-20 041707706-0006		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Will DiBella (6)

Benjamin Ellis, Laboratory Manager  
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from: 04/05/2017 00:04:24



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041707706

EMSL ANALYTICAL, INC  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (856) 858-4800  
FAX: (856) 858-4960

Amended COC JE 3/29/17

Company : Eurofins Lancaster Laboratories Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 2425 New Holland Pike		<i>Third Party Billing requires written authorization from third party</i>	
City: Lancaster	State/Province: PA	Zip/Postal Code: 17601	Country: USA
Report To (Name): Janine Eaby		Fax #: 717-656-6766	
Telephone #: 656-2300 x1520		Email Address: JanineEaby@eurofinsUS.com	
Project Name/Number: Group 1777494			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: CA

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
<b>PLM - Bulk (reporting limit)</b> <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	<b>Soil/Rock/Vermiculite</b> <input checked="" type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - A (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative)
<b>TEM - Water: EPA 100.2</b> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		<b>Other:</b> <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: N/A	Samplers Signature:
--------------------	---------------------

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
8887274	C7-1-1		03/15/2017 08:33
8887275	C7-1-5		03/15/2017 10:59
8887276	C7-1-20		03/15/2017 11:20
8887277	C7-2-1		03/15/2017 13:25
8887278	C7-2-5		03/15/2017 14:03
8887279	C7-2-20		03/15/2017 14:25

Client Sample # (s):	8887274	•	8887279	Total # of Samples:	6
Relinquished (Client):	<i>Janine Eaby</i>		Date:	3/20/17	Time: 1635
Received (Lab):	<i>SCH FX</i>		Date:	3.21.17	Time: 9:40 AM

Comments/Special Instructions: CA EDF EDD Report required. Use client ID under Sample Description.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Report Date: April 17, 2017

**Project: City of Palo Alto: Lots C-6 & C-7**Submittal Date: 03/18/2017  
Group Number: 1778223  
PO Number: 185703649.200.0003  
State of Sample Origin: CA

<u>Client Sample Description</u>	Lancaster Labs (LL) #
C6-4-1 Soil	8890724
C6-4-1-40 Composite Soil	8890727
C6-4-5 Soil	8890728
C6-4-10 Soil	8890732
C6-4-15 Soil	8890736
C6-4-20 Soil	8890740
C6-4-25 Soil	8890744
C6-4-30 Soil	8890748
C6-4-35 Soil	8890752
C6-4-40 Soil	8890756
C6-4-W Water	8890760

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

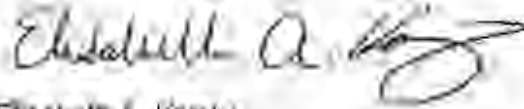
Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Stantec

Attn: Madelaine Montilla

REVISED

Respectfully Submitted,



Elizabeth A. Kinsley  
Project Manager

(717) 556-7262

Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890724  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	11	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	11	1
10237	2-Hexanone	591-78-6	N.D.	3	11	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890724  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	5 J	4	19	1
10727	Benzo(a)pyrene	50-32-8	6 J	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	10 J	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	7 J	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	6 J	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	9 J	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	9 J	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890724  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	5 J	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	10 J	4	19	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	11 J	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.93	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.93	1
10738	Beta BHC	319-85-7	N.D.	0.34	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.93	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.93	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.93	1
10738	p,p-DDD	72-54-8	N.D.	0.37	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.37	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.39	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.50	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.37	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.93	1
10738	Endosulfan II	33213-65-9	N.D.	0.37	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.37	1.9	1
10738	Endrin	72-20-8	N.D.	0.37	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.37	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.67	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.93	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.93	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890724  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A</b>						
10738	Methoxychlor	72-43-5	N.D.	1.9	7.5	1
10738	Toxaphene	8001-35-2	N.D.	16	37	1
<b>Pesticides/PCBs SW-846 8082</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.2	19	1
10736	PCB-1232	11141-16-5	N.D.	9.1	19	1
10736	PCB-1242	53469-21-9	N.D.	3.7	19	1
10736	PCB-1248	12672-29-6	N.D.	3.7	19	1
10736	PCB-1254	11097-69-1	N.D.	3.7	19	1
10736	PCB-1260	11096-82-5	N.D.	5.5	19	1
10736	Total PCBs	1336-36-3	N.D.	3.7	19	1
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	39	120	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	39	120	1
00071	Total TPH w/Si Gel	n.a.	N.D.	39	120	1
Reporting limits were raised due to limited sample volume.						
<b>Metals SW-846 6010B</b>						
06944	Antimony	7440-36-0	N.D.	0.699	2.00	1
06935	Arsenic	7440-38-2	3.84	0.968	2.00	1
06946	Barium	7440-39-3	246	0.0329	0.499	1
06947	Beryllium	7440-41-7	0.596	0.0669	0.499	1
06949	Cadmium	7440-43-9	1.10	0.0489	0.499	1
06951	Chromium	7440-47-3	50.6	0.140	1.50	1
06952	Cobalt	7440-48-4	9.68	0.120	0.499	1
06953	Copper	7440-50-8	32.6	0.230	0.998	1
06955	Lead	7439-92-1	31.9	0.549	1.50	1
06960	Molybdenum	7439-98-7	1.08	0.170	0.998	1
06961	Nickel	7440-02-0	35.9	0.299	0.998	1
06936	Selenium	7782-49-2	N.D.	0.898	2.00	1
06966	Silver	7440-22-4	N.D.	0.150	0.499	1
06925	Thallium	7440-28-0	2.41 J	0.818	2.99	1
06971	Vanadium	7440-62-2	59.3	0.140	0.499	1
06972	Zinc	7440-66-6	91.8	0.679	2.00	1
<b>SW-846 7471A</b>						
00159	Mercury	7439-97-6	0.158	0.0114	0.114	1
<b>Wet Chemistry SM 2540 G-1997</b>						
00111	Moisture	n.a.	12.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890724  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL01

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 00:47	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 10:24	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 01:18	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 22:17	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 18:16	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170880016A	03/31/2017 17:00	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170880016A	03/29/2017 18:00	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:15	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:15	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017 13:41	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017 12:15	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017 06:44	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017 16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017 18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8890727  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.127 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	0.164 J	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170895705004	04/05/2017 07:27	Joanne M Gates	1.04
07055	Lead	SW-846 6010B	1	170895705004	04/05/2017 07:27	Joanne M Gates	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170895705004	04/04/2017 16:54	Barbara A Kane	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

\*=This limit was used in the evaluation of the final result



Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890728  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.98
10237	Benzene	71-43-2	N.D.	0.5	5	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.98
10237	Bromoform	75-25-2	N.D.	1	5	0.98
10237	Bromomethane	74-83-9	N.D.	2	5	0.98
10237	2-Butanone	78-93-3	N.D.	4	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.98
10237	Chloroethane	75-00-3	N.D.	2	5	0.98
10237	Chloroform	67-66-3	N.D.	1	5	0.98
10237	Chloromethane	74-87-3	N.D.	2	5	0.98
10237	Cyclohexane	110-82-7	N.D.	1	5	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.98
10237	Methylene Chloride	75-09-2	N.D.	2	5	0.98
10237	Styrene	100-42-5	N.D.	1	5	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.98
10237	Toluene	108-88-3	N.D.	1	5	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.98
10237	Trichloroethene	79-01-6	N.D.	1	5	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.98

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890728  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	37	1
10727	Anthracene	120-12-7	5 J	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	180	1
10727	Benzaldehyde	100-52-7	N.D.	73	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	5 J	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	5 J	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	73	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	73	180	1
10727	Caprolactam	105-60-2	N.D.	37	180	1
10727	Carbazole	86-74-8	N.D.	18	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	73	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	36	1
10727	2-Chlorophenol	95-57-8	N.D.	18	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	4 J	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	37	1
10727	Diethylphthalate	84-66-2	N.D.	73	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	37	1
10727	Dimethylphthalate	131-11-3	N.D.	73	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	73	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	73	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890728  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	37	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	5 J	4	19	1
10727	Isophorone	78-59-1	N.D.	18	37	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	18	37	1
10727	4-Methylphenol	106-44-5	N.D.	18	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	9 J	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	18	37	1
10727	3-Nitroaniline	99-09-2	N.D.	73	180	1
10727	4-Nitroaniline	100-01-6	N.D.	73	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	37	1
10727	2-Nitrophenol	88-75-5	N.D.	18	37	1
10727	4-Nitrophenol	100-02-7	N.D.	180	550	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	73	180	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	7 J	4	19	1
10727	Phenol	108-95-2	N.D.	18	37	1
10727	Pyrene	129-00-0	5 J	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	37	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.92	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.92	1
10738	Beta BHC	319-85-7	N.D.	0.33	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.92	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.92	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.92	1
10738	p,p-DDD	72-54-8	N.D.	0.36	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.36	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.39	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.50	0.99	1
10738	Dieldrin	60-57-1	N.D.	0.36	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.24	0.92	1
10738	Endosulfan II	33213-65-9	N.D.	0.36	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.36	1.9	1
10738	Endrin	72-20-8	N.D.	0.36	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.36	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.66	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.92	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.92	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890728  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Methoxychlor	72-43-5	N.D.	1.9	7.4	1
10738	Toxaphene	8001-35-2	N.D.	15	36	1
<b>Pesticides/PCBs</b>						
	<b>SW-846 8082</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10736	PCB-1016	12674-11-2	N.D.	4.0	19	1
10736	PCB-1221	11104-28-2	N.D.	5.1	19	1
10736	PCB-1232	11141-16-5	N.D.	8.8	19	1
10736	PCB-1242	53469-21-9	N.D.	3.6	19	1
10736	PCB-1248	12672-29-6	N.D.	3.6	19	1
10736	PCB-1254	11097-69-1	N.D.	3.6	19	1
10736	PCB-1260	11096-82-5	N.D.	5.4	19	1
10736	Total PCBs	1336-36-3	N.D.	3.6	19	1
<b>GC Petroleum Hydrocarbons w/Si</b>						
	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.8	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.8	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.8	14	1
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.724	2.07	1
06935	Arsenic	7440-38-2	5.67	1.00	2.07	1
06946	Barium	7440-39-3	207	0.0341	0.517	1
06947	Beryllium	7440-41-7	0.670	0.0693	0.517	1
06949	Cadmium	7440-43-9	1.33	0.0507	0.517	1
06951	Chromium	7440-47-3	96.1	0.145	1.55	1
06952	Cobalt	7440-48-4	13.2	0.124	0.517	1
06953	Copper	7440-50-8	35.9	0.238	1.03	1
06955	Lead	7439-92-1	8.33	0.569	1.55	1
06960	Molybdenum	7439-98-7	1.63	0.176	1.03	1
06961	Nickel	7440-02-0	63.7	0.310	1.03	1
06936	Selenium	7782-49-2	N.D.	0.931	2.07	1
06966	Silver	7440-22-4	N.D.	0.155	0.517	1
06925	Thallium	7440-28-0	3.04 J	0.848	3.10	1
06971	Vanadium	7440-62-2	86.3	0.145	0.517	1
06972	Zinc	7440-66-6	68.4	0.703	2.07	1
	<b>SW-846 7471A</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0400 J	0.0106	0.106	1
<b>Wet Chemistry</b>						
	<b>SM 2540 G-1997</b>		<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	10.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890728  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL02

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 01:09	Stephen C Nolte	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 10:52	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 01:43	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 22:57	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 18:27	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170870027A	03/31/2017 13:25	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170870027A	03/28/2017 19:30	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:19	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:19	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017 13:51	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017 12:19	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017 06:46	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017 16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017 18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890732  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.98
10237	Benzene	71-43-2	N.D.	0.6	6	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.98
10237	Bromoform	75-25-2	N.D.	1	6	0.98
10237	Bromomethane	74-83-9	N.D.	2	6	0.98
10237	2-Butanone	78-93-3	N.D.	5	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.98
10237	Chloroethane	75-00-3	N.D.	2	6	0.98
10237	Chloroform	67-66-3	N.D.	1	6	0.98
10237	Chloromethane	74-87-3	N.D.	2	6	0.98
10237	Cyclohexane	110-82-7	N.D.	1	6	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.98
10237	Methylene Chloride	75-09-2	5	2	6	0.98
10237	Styrene	100-42-5	N.D.	1	6	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.98
10237	Toluene	108-88-3	N.D.	1	6	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.98
10237	Trichloroethene	79-01-6	N.D.	1	6	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.98

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890732  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	120 J	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	860	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	580	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	580	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890732  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	580	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	0.700 J	0.569	1.62	1
06935	Arsenic	7440-38-2	6.13	0.788	1.62	1
06946	Barium	7440-39-3	176	0.0268	0.406	1
06947	Beryllium	7440-41-7	0.605	0.0544	0.406	1
06949	Cadmium	7440-43-9	2.04	0.0398	0.406	1
06951	Chromium	7440-47-3	83.5	0.114	1.22	1
06952	Cobalt	7440-48-4	18.4	0.0975	0.406	1
06953	Copper	7440-50-8	43.5	0.187	0.812	1
06955	Lead	7439-92-1	5.04	0.447	1.22	1
06960	Molybdenum	7439-98-7	2.95	0.138	0.812	1
06961	Nickel	7440-02-0	77.9	0.244	0.812	1
06936	Selenium	7782-49-2	0.918 J	0.731	1.62	1
06966	Silver	7440-22-4	N.D.	0.122	0.406	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C6-4-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890732  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06925	Thallium	7440-28-0	3.42	0.666	2.44	1
06971	Vanadium	7440-62-2	99.6	0.114	0.406	1
06972	Zinc	7440-66-6	86.3	0.552	1.62	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0272 J	0.0110	0.110	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	13.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 01:33	Stephen C Nolte	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 13:58	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 02:09	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170870027A	03/31/2017 13:47	Heather E Williams	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	2	170870027A	03/28/2017 19:30	Elizabeth E Donovan	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:22	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 13:55	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:22	Suzanne M Will	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890732  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO3

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	13:55	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	13:55	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	13:55	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:22	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	06:49	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017	00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890736  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:43 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PALO4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	11	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	130	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	11	1
10237	2-Hexanone	591-78-6	N.D.	3	11	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890736  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:43 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	76	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	76	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	76	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	76	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	76	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	76	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	76	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	76	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890736  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:43 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	76	190	1
10727	4-Nitroaniline	100-01-6	N.D.	76	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	76	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.94	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.94	1
10738	Beta BHC	319-85-7	N.D.	0.34	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.94	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.94	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.94	1
10738	p,p-DDD	72-54-8	N.D.	0.38	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.38	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.40	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.51	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.94	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	1.9	1
10738	Endrin	72-20-8	N.D.	0.38	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.68	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.94	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.94	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890736  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:43 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
<b>SW-846 8081A</b>						
10738	Methoxychlor	72-43-5	N.D.	1.9	7.6	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
<b>Pesticides/PCBs</b>						
<b>SW-846 8082</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.2	19	1
10736	PCB-1232	11141-16-5	N.D.	9.1	19	1
10736	PCB-1242	53469-21-9	N.D.	3.8	19	1
10736	PCB-1248	12672-29-6	N.D.	3.8	19	1
10736	PCB-1254	11097-69-1	N.D.	3.8	19	1
10736	PCB-1260	11096-82-5	N.D.	5.6	19	1
10736	Total PCBs	1336-36-3	N.D.	3.8	19	1
<b>GC Petroleum Hydrocarbons w/Si</b>						
<b>SW-846 8015B modified</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals</b>						
<b>SW-846 6010B</b>						
06944	Antimony	7440-36-0	N.D.	0.618	1.76	1
06935	Arsenic	7440-38-2	8.00	0.856	1.76	1
06946	Barium	7440-39-3	135	0.0291	0.441	1
06947	Beryllium	7440-41-7	0.766	0.0591	0.441	1
06949	Cadmium	7440-43-9	0.912	0.0432	0.441	1
06951	Chromium	7440-47-3	49.5	0.124	1.32	1
06952	Cobalt	7440-48-4	5.76	0.106	0.441	1
06953	Copper	7440-50-8	28.3	0.203	0.882	1
06955	Lead	7439-92-1	9.11	0.485	1.32	1
06960	Molybdenum	7439-98-7	1.02	0.150	0.882	1
06961	Nickel	7440-02-0	32.6	0.265	0.882	1
06936	Selenium	7782-49-2	N.D.	0.794	1.76	1
06966	Silver	7440-22-4	N.D.	0.132	0.441	1
06925	Thallium	7440-28-0	1.68 J	0.723	2.65	1
06971	Vanadium	7440-62-2	63.1	0.124	0.441	1
06972	Zinc	7440-66-6	67.3	0.600	1.76	1
<b>SW-846 7471A</b>						
00159	Mercury	7439-97-6	0.0181 J	0.0113	0.113	1
<b>Wet Chemistry</b>						
<b>SM 2540 G-1997</b>						
00111	Moisture	n.a.	12.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890736  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:43 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO4

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 01:56	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 10:27	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 02:34	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 23:10	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 18:38	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 07:57	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:26	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:26	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017 13:59	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017 12:26	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017 06:57	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017 16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017 18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890740  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	3	6	1
10237	2-Butanone	78-93-3	N.D.	5	13	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	55	140	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	3	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	3	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	3	13	1
10237	2-Hexanone	591-78-6	N.D.	4	13	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	3	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	4	3	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result



Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890740  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	21	41	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	41	210	1
10727	Benzaldehyde	100-52-7	N.D.	82	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	41	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	41	1
10727	Butylbenzylphthalate	85-68-7	N.D.	82	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	82	210	1
10727	Caprolactam	105-60-2	N.D.	41	210	1
10727	Carbazole	86-74-8	N.D.	21	41	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	41	1
10727	4-Chloroaniline	106-47-8	N.D.	41	82	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	41	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	41	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	41	1
10727	2-Chlorophenol	95-57-8	N.D.	21	41	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	41	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	41	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	21	41	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	410	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	41	1
10727	Diethylphthalate	84-66-2	N.D.	82	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	41	1
10727	Dimethylphthalate	131-11-3	N.D.	82	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	620	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	370	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	82	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	41	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	82	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	41	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	620	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890740  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	41	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	21	41	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	21	41	1
10727	4-Methylphenol	106-44-5	N.D.	21	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	21	41	1
10727	3-Nitroaniline	99-09-2	N.D.	82	210	1
10727	4-Nitroaniline	100-01-6	N.D.	82	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	41	1
10727	2-Nitrophenol	88-75-5	N.D.	21	41	1
10727	4-Nitrophenol	100-02-7	N.D.	210	620	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	41	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	41	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	82	210	1
10727	Pentachlorophenol	87-86-5	N.D.	41	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	N.D.	21	41	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	41	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	41	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.9	15	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.662	1.89	1
06935	Arsenic	7440-38-2	6.58	0.917	1.89	1
06946	Barium	7440-39-3	130	0.0312	0.473	1
06947	Beryllium	7440-41-7	0.676	0.0634	0.473	1
06949	Cadmium	7440-43-9	0.763	0.0463	0.473	1
06951	Chromium	7440-47-3	50.7	0.132	1.42	1
06952	Cobalt	7440-48-4	5.02	0.113	0.473	1
06953	Copper	7440-50-8	27.8	0.218	0.946	1
06955	Lead	7439-92-1	6.67	0.520	1.42	1
06960	Molybdenum	7439-98-7	0.684 J	0.161	0.946	1
06961	Nickel	7440-02-0	37.0	0.284	0.946	1
06936	Selenium	7782-49-2	N.D.	0.851	1.89	1
06966	Silver	7440-22-4	N.D.	0.142	0.473	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890740  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06925	Thallium	7440-28-0	1.46 J	0.776	2.84	1
06971	Vanadium	7440-62-2	60.4	0.132	0.473	1
06972	Zinc	7440-66-6	69.4	0.643	1.89	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0574 J	0.0125	0.125	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	19.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 02:18	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 13:54	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17080SLI026	03/23/2017 02:59	Anthony P Bauer	1
10809	BNA Soil Microwave	SW-846 3546	1	17080SLI026	03/22/2017 08:15	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 08:19	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:36	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:02	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:36	Suzanne M Will	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890740  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL05

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:02	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:02	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:02	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:36	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	06:59	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017	00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890744  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:58 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	3	6	1
10237	2-Butanone	78-93-3	N.D.	5	13	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	55	140	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	3	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	3	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	3	13	1
10237	2-Hexanone	591-78-6	N.D.	4	13	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	3	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	3	3	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890744  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:58 by SS

Stantec  
15575 Los Gatos Boulevard

Submitted: 03/18/2017 10:10

Building C

Reported: 04/17/2017 16:28

Los Gatos CA 95032

PAL06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	21	42	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	42	210	1
10727	Benzaldehyde	100-52-7	N.D.	84	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	42	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	42	1
10727	Butylbenzylphthalate	85-68-7	N.D.	84	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	84	210	1
10727	Caprolactam	105-60-2	N.D.	42	210	1
10727	Carbazole	86-74-8	N.D.	21	42	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	42	1
10727	4-Chloroaniline	106-47-8	N.D.	42	84	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	42	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	42	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	41	1
10727	2-Chlorophenol	95-57-8	N.D.	21	42	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	42	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	42	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	21	42	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	420	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	42	1
10727	Diethylphthalate	84-66-2	N.D.	84	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	42	1
10727	Dimethylphthalate	131-11-3	N.D.	84	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	630	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	380	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	84	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	42	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	84	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	42	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	630	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890744  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:58 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	42	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	21	42	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	21	42	1
10727	4-Methylphenol	106-44-5	N.D.	21	42	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	21	42	1
10727	3-Nitroaniline	99-09-2	N.D.	84	210	1
10727	4-Nitroaniline	100-01-6	N.D.	84	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	42	1
10727	2-Nitrophenol	88-75-5	N.D.	21	42	1
10727	4-Nitrophenol	100-02-7	N.D.	210	630	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	42	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	42	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	84	210	1
10727	Pentachlorophenol	87-86-5	N.D.	42	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	78	21	42	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	42	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	42	1
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.21	1.0	1
10738	Alpha BHC	319-84-6	N.D.	0.21	1.0	1
10738	Beta BHC	319-85-7	N.D.	0.38	1.3	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.21	1.0	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.21	1.0	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.21	1.0	1
10738	p,p-DDD	72-54-8	N.D.	0.41	2.1	1
10738	p,p-DDE	72-55-9	N.D.	0.41	2.1	1
10738	p,p-DDT	50-29-3	N.D.	0.44	2.1	1
10738	Delta BHC	319-86-8	N.D.	0.56	1.1	1
10738	Dieldrin	60-57-1	N.D.	0.41	2.1	1
10738	Endosulfan I	959-98-8	N.D.	0.28	1.0	1
10738	Endosulfan II	33213-65-9	N.D.	0.41	2.1	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.41	2.1	1
10738	Endrin	72-20-8	N.D.	0.41	2.1	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.41	2.1	1
10738	Endrin Ketone	53494-70-5	N.D.	0.75	2.3	1
10738	Heptachlor	76-44-8	N.D.	0.21	1.0	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.21	1.0	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890744  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:58 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs</b>						
<b>SW-846 8081A</b>						
10738	Methoxychlor	72-43-5	N.D.	2.1	8.4	1
10738	Toxaphene	8001-35-2	N.D.	18	41	1
<b>Pesticides/PCBs</b>						
<b>SW-846 8082</b>						
10736	PCB-1016	12674-11-2	N.D.	4.5	21	1
10736	PCB-1221	11104-28-2	N.D.	5.7	21	1
10736	PCB-1232	11141-16-5	N.D.	9.9	21	1
10736	PCB-1242	53469-21-9	N.D.	4.1	21	1
10736	PCB-1248	12672-29-6	N.D.	4.1	21	1
10736	PCB-1254	11097-69-1	N.D.	4.1	21	1
10736	PCB-1260	11096-82-5	N.D.	6.1	21	1
10736	Total PCBs	1336-36-3	N.D.	4.1	21	1
<b>GC Petroleum Hydrocarbons w/Si</b>						
<b>SW-846 8015B modified</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.0	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.0	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.0	15	1
<b>Metals</b>						
<b>SW-846 6010B</b>						
06944	Antimony	7440-36-0	1.13 J	0.822	2.35	1
06935	Arsenic	7440-38-2	2.81	1.14	2.35	1
06946	Barium	7440-39-3	233	0.0387	0.587	1
06947	Beryllium	7440-41-7	0.728	0.0787	0.587	1
06949	Cadmium	7440-43-9	1.16	0.0575	0.587	1
06951	Chromium	7440-47-3	59.0	0.164	1.76	1
06952	Cobalt	7440-48-4	6.81	0.141	0.587	1
06953	Copper	7440-50-8	25.1	0.270	1.17	1
06955	Lead	7439-92-1	6.48	0.646	1.76	1
06960	Molybdenum	7439-98-7	N.D.	0.200	1.17	1
06961	Nickel	7440-02-0	41.6	0.352	1.17	1
06936	Selenium	7782-49-2	N.D.	1.06	2.35	1
06966	Silver	7440-22-4	N.D.	0.176	0.587	1
06925	Thallium	7440-28-0	1.02 J	0.963	3.52	1
06971	Vanadium	7440-62-2	55.3	0.164	0.587	1
06972	Zinc	7440-66-6	72.8	0.798	2.35	1
<b>SW-846 7471A</b>						
00159	Mercury	7439-97-6	0.0197 J	0.0126	0.126	1
<b>Wet Chemistry</b>						
<b>SM 2540 G-1997</b>						
00111	Moisture	n.a.	20.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result



Sample Description: C6-4-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890744  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:58 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO6

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 02:41	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 10:49	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 14:04	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 23:24	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 18:50	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 08:40	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:40	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:40	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017 14:06	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017 12:40	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017 07:02	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017 16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017 18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890748  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	26	1.01
10237	Benzene	71-43-2	N.D.	0.7	7	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	7	1.01
10237	Bromoform	75-25-2	N.D.	1	7	1.01
10237	Bromomethane	74-83-9	N.D.	3	7	1.01
10237	2-Butanone	78-93-3	N.D.	5	13	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	58	150	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	7	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	7	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	7	1.01
10237	Chloroethane	75-00-3	N.D.	3	7	1.01
10237	Chloroform	67-66-3	N.D.	1	7	1.01
10237	Chloromethane	74-87-3	N.D.	3	7	1.01
10237	Cyclohexane	110-82-7	N.D.	1	7	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	7	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	7	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	7	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	7	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	7	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	7	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	7	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	7	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	7	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	7	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	7	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	7	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	7	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	7	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	7	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	7	1.01
10237	Freon 113	76-13-1	N.D.	3	13	1.01
10237	2-Hexanone	591-78-6	N.D.	4	13	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	7	1.01
10237	Methyl Acetate	79-20-9	N.D.	3	7	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.7	7	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	7	1.01
10237	Methylene Chloride	75-09-2	7	3	7	1.01
10237	Styrene	100-42-5	N.D.	1	7	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	7	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	7	1.01
10237	Toluene	108-88-3	N.D.	1	7	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	7	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	7	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	7	1.01
10237	Trichloroethene	79-01-6	N.D.	1	7	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	3	7	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	7	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	7	1.01

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890748  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:06 by SS

Stantec  
15575 Los Gatos Boulevard

Submitted: 03/18/2017 10:10

Building C

Reported: 04/17/2017 16:28

Los Gatos CA 95032

PAL07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	21	43	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	43	210	1
10727	Benzaldehyde	100-52-7	N.D.	86	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	43	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	43	1
10727	Butylbenzylphthalate	85-68-7	N.D.	86	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	86	210	1
10727	Caprolactam	105-60-2	N.D.	43	210	1
10727	Carbazole	86-74-8	N.D.	21	43	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	43	1
10727	4-Chloroaniline	106-47-8	N.D.	43	86	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	43	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	43	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	43	1
10727	2-Chlorophenol	95-57-8	N.D.	21	43	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	43	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	43	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	21	43	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	430	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	43	1
10727	Diethylphthalate	84-66-2	N.D.	86	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	43	1
10727	Dimethylphthalate	131-11-3	N.D.	86	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	640	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	86	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	43	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	86	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	43	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	640	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890748  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	43	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	21	43	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	21	43	1
10727	4-Methylphenol	106-44-5	N.D.	21	43	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	21	43	1
10727	3-Nitroaniline	99-09-2	N.D.	86	210	1
10727	4-Nitroaniline	100-01-6	N.D.	86	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	43	1
10727	2-Nitrophenol	88-75-5	N.D.	21	43	1
10727	4-Nitrophenol	100-02-7	N.D.	210	640	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	43	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	43	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	86	210	1
10727	Pentachlorophenol	87-86-5	N.D.	43	220	1
10727	Phenanthrene	85-01-8	N.D.	4	22	1
10727	Phenol	108-95-2	N.D.	21	43	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	43	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	43	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.1	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.1	15	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	N.D.	0.749	2.14	1
06935	Arsenic	7440-38-2	11.1	1.04	2.14	1
06946	Barium	7440-39-3	227	0.0353	0.535	1
06947	Beryllium	7440-41-7	1.06	0.0717	0.535	1
06949	Cadmium	7440-43-9	1.47	0.0524	0.535	1
06951	Chromium	7440-47-3	70.4	0.150	1.61	1
06952	Cobalt	7440-48-4	12.1	0.128	0.535	1
06953	Copper	7440-50-8	43.0	0.246	1.07	1
06955	Lead	7439-92-1	12.3	0.589	1.61	1
06960	Molybdenum	7439-98-7	1.98	0.182	1.07	1
06961	Nickel	7440-02-0	54.9	0.321	1.07	1
06936	Selenium	7782-49-2	N.D.	0.963	2.14	1
06966	Silver	7440-22-4	N.D.	0.161	0.535	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890748  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:06 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06925	Thallium	7440-28-0	1.99 J	0.877	3.21	1
06971	Vanadium	7440-62-2	88.6	0.150	0.535	1
06972	Zinc	7440-66-6	111	0.728	2.14	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0557 J	0.0122	0.122	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	23.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 03:04	Stephen C Nolte	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 13:44	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 14:23	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 09:02	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:44	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:10	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890748  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PALO7

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:10	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	12:44	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/31/2017	12:44	Suzanne M Will	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:10	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:10	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:44	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:04	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017	00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890752  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1.01
10237	Benzene	71-43-2	N.D.	0.6	6	1.01
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.01
10237	Bromoform	75-25-2	N.D.	1	6	1.01
10237	Bromomethane	74-83-9	N.D.	2	6	1.01
10237	2-Butanone	78-93-3	N.D.	5	11	1.01
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	1.01
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.01
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.01
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.01
10237	Chloroethane	75-00-3	N.D.	2	6	1.01
10237	Chloroform	67-66-3	N.D.	1	6	1.01
10237	Chloromethane	74-87-3	N.D.	2	6	1.01
10237	Cyclohexane	110-82-7	N.D.	1	6	1.01
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.01
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.01
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.01
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.01
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.01
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.01
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.01
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.01
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.01
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.01
10237	Freon 113	76-13-1	N.D.	2	11	1.01
10237	2-Hexanone	591-78-6	N.D.	3	11	1.01
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.01
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.01
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1.01
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.01
10237	Methylene Chloride	75-09-2	3	2	6	1.01
10237	Styrene	100-42-5	N.D.	1	6	1.01
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.01
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.01
10237	Toluene	108-88-3	N.D.	1	6	1.01
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.01
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.01
10237	Trichloroethene	79-01-6	N.D.	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.01
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.01
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.01

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890752  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:18 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	180	1
10727	Benzaldehyde	100-52-7	N.D.	73	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	73	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	73	180	1
10727	Caprolactam	105-60-2	N.D.	37	180	1
10727	Carbazole	86-74-8	N.D.	18	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	73	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	36	1
10727	2-Chlorophenol	95-57-8	N.D.	18	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	37	1
10727	Diethylphthalate	84-66-2	N.D.	73	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	37	1
10727	Dimethylphthalate	131-11-3	N.D.	73	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	73	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	73	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890752  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	37	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	18	37	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	18	37	1
10727	4-Methylphenol	106-44-5	N.D.	18	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	18	37	1
10727	3-Nitroaniline	99-09-2	N.D.	73	180	1
10727	4-Nitroaniline	100-01-6	N.D.	73	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	37	1
10727	2-Nitrophenol	88-75-5	N.D.	18	37	1
10727	4-Nitrophenol	100-02-7	N.D.	180	550	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	73	180	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	18	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	37	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	0.940 J	0.679	1.94	1
06935	Arsenic	7440-38-2	4.27	0.941	1.94	1
06946	Barium	7440-39-3	126	0.0320	0.485	1
06947	Beryllium	7440-41-7	0.431 J	0.0650	0.485	1
06949	Cadmium	7440-43-9	1.00	0.0476	0.485	1
06951	Chromium	7440-47-3	46.2	0.136	1.46	1
06952	Cobalt	7440-48-4	6.98	0.116	0.485	1
06953	Copper	7440-50-8	23.0	0.223	0.970	1
06955	Lead	7439-92-1	4.15	0.534	1.46	1
06960	Molybdenum	7439-98-7	1.52	0.165	0.970	1
06961	Nickel	7440-02-0	35.2	0.291	0.970	1
06936	Selenium	7782-49-2	N.D.	0.873	1.94	1
06966	Silver	7440-22-4	N.D.	0.146	0.485	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890752  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:18 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06925	Thallium	7440-28-0	2.12 J	0.796	2.91	1
06971	Vanadium	7440-62-2	60.9	0.136	0.485	1
06972	Zinc	7440-66-6	57.4	0.660	1.94	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0162 J	0.0112	0.112	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	10.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 03:26	Stephen C Nolte	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 13:49	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 14:42	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800030A	03/25/2017 09:23	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800030A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:51	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:13	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890752  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL08

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:13	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	12:51	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:13	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:13	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:13	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:51	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:07	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017	00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890756  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	3	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	13	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	55	140	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	3	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	3	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	3	13	0.99
10237	2-Hexanone	591-78-6	N.D.	4	13	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	3	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	3	3	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890756  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:20 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PAL09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	21	41	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	41	210	1
10727	Benzaldehyde	100-52-7	N.D.	83	210	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	21	41	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	21	41	1
10727	Butylbenzylphthalate	85-68-7	N.D.	83	210	1
10727	Di-n-butylphthalate	84-74-2	N.D.	83	210	1
10727	Caprolactam	105-60-2	N.D.	41	210	1
10727	Carbazole	86-74-8	N.D.	21	41	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	21	41	1
10727	4-Chloroaniline	106-47-8	N.D.	41	83	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	21	41	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	21	41	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	41	1
10727	2-Chlorophenol	95-57-8	N.D.	21	41	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	21	41	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	21	41	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	21	41	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	410	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	21	41	1
10727	Diethylphthalate	84-66-2	N.D.	83	210	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	21	41	1
10727	Dimethylphthalate	131-11-3	N.D.	83	210	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	210	620	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	370	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	83	210	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	21	41	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	83	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	21	41	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	210	620	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890756  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:28

PAL09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	41	210	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	21	41	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	21	41	1
10727	4-Methylphenol	106-44-5	N.D.	21	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	21	41	1
10727	3-Nitroaniline	99-09-2	N.D.	83	210	1
10727	4-Nitroaniline	100-01-6	N.D.	83	210	1
10727	Nitrobenzene	98-95-3	N.D.	21	41	1
10727	2-Nitrophenol	88-75-5	N.D.	21	41	1
10727	4-Nitrophenol	100-02-7	N.D.	210	620	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	21	41	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	21	41	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	83	210	1
10727	Pentachlorophenol	87-86-5	N.D.	41	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	N.D.	21	41	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	21	41	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	21	41	1
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.0	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.0	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.0	15	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	N.D.	0.796	2.28	1
06935	Arsenic	7440-38-2	6.84	1.10	2.28	1
06946	Barium	7440-39-3	165	0.0375	0.569	1
06947	Beryllium	7440-41-7	0.634	0.0762	0.569	1
06949	Cadmium	7440-43-9	1.02	0.0557	0.569	1
06951	Chromium	7440-47-3	41.9	0.159	1.71	1
06952	Cobalt	7440-48-4	8.82	0.137	0.569	1
06953	Copper	7440-50-8	24.4	0.262	1.14	1
06955	Lead	7439-92-1	7.29	0.626	1.71	1
06960	Molybdenum	7439-98-7	2.06	0.193	1.14	1
06961	Nickel	7440-02-0	39.9	0.341	1.14	1
06936	Selenium	7782-49-2	N.D.	1.02	2.28	1
06966	Silver	7440-22-4	N.D.	0.171	0.569	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890756  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:20 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:28 Los Gatos CA 95032

PALO9

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06925	Thallium	7440-28-0	1.08 J	0.933	3.41	1
06971	Vanadium	7440-62-2	55.9	0.159	0.569	1
06972	Zinc	7440-66-6	72.3	0.774	2.28	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0415 J	0.0117	0.117	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	20.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 03:49	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044696	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044696	03/21/2017 13:52	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 15:01	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800031A	03/28/2017 11:59	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800031A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:54	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:17	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890756  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL09

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:17	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	12:54	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:17	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:17	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:17	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:54	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:09	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017	00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890760  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	6 J	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890760  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	N.D.	45	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	N.D.	45	100	1
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the sample surrogate is compliant. Both trials are reported.						
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	0.0128 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.222	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.0010 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0096	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.105	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0321	0.0028	0.0100	1
07036	Selenium	7782-49-2	0.0153 J	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	0.0016 J	0.0016	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

**Sample Comments**

CA ELAP Lab Certification No. 2792  
CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170831AA	03/24/2017 12:29	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170831AA	03/24/2017 12:29	Nicole S Lamoreaux	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890760  
LL Group # 1778223  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:28

PAL10

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170790047A	03/30/2017 22:12	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170790047A	03/21/2017 08:00	Osvaldo Sanchez	1
07044	Antimony	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010B	1	170861848001	03/30/2017 19:12	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07060	Molybdenum	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010B	1	170861848001	03/28/2017 19:44	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	170865713002	03/28/2017 06:49	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170861848001	03/27/2017 16:40	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170865713002	03/27/2017 17:45	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Batch number: B170812AA	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756		
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	N.D.	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	N.D.	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5
Styrene	N.D.	1	5

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane	N.D.	1	5
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	N.D.	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
	ug/l	ug/l	ug/l
Batch number: W170831AA	Sample number(s): 8890760		
Acetone	N.D.	6	20
Benzene	N.D.	0.5	1
Bromodichloromethane	N.D.	0.5	1
Bromoform	N.D.	0.5	4
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	3	10
C6-C10-TPH-GRO	N.D.	22	50
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	0.5	1
Chlorobenzene	N.D.	0.5	1
Chloroethane	N.D.	0.5	1
Chloroform	N.D.	0.5	1
Chloromethane	N.D.	0.5	1
Cyclohexane	N.D.	2	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	0.5	1
1,2-Dibromoethane	N.D.	0.5	1
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	0.5	1
1,1-Dichloroethane	N.D.	0.5	1
1,2-Dichloroethane	N.D.	0.5	1
1,1-Dichloroethene	N.D.	0.5	1
cis-1,2-Dichloroethene	N.D.	0.5	1
trans-1,2-Dichloroethene	N.D.	0.5	1
1,2-Dichloropropane	N.D.	0.5	1
cis-1,3-Dichloropropene	N.D.	0.5	1
trans-1,3-Dichloropropene	N.D.	0.5	1
Ethylbenzene	N.D.	0.5	1
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	1	5
Methyl Tertiary Butyl Ether	N.D.	0.5	1
4-Methyl-2-pentanone	N.D.	3	10

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	4
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	0.5	1
Tetrachloroethene	N.D.	0.5	1
Toluene	N.D.	0.5	1
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	0.5	1
1,1,2-Trichloroethane	N.D.	0.5	1
Trichloroethene	N.D.	0.5	1
Trichlorofluoromethane	N.D.	0.5	1
Vinyl Chloride	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
	ug/kg	ug/kg	ug/kg
Batch number: 17080SLI026	Sample number(s): 8890724,8890728,8890732,8890736,8890740		
Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo(a)anthracene	N.D.	3	17
Benzo(a)pyrene	N.D.	3	17
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl)ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17
Dibenz(a,h)anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl)phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno(1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33
2,4,6-Trichlorophenol	N.D.	17	33
Batch number: 17081SLC026	Sample number(s):	8890744,8890748,8890752,8890756	
Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo(a)anthracene	N.D.	3	17
Benzo(a)pyrene	N.D.	3	17
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl) ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17
Dibenz(a,h)anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl) phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno(1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
2,4,6-Trichlorophenol	N.D.	17	33
Batch number: 170790038A	Sample number(s): 8890724,8890728,8890736,8890744		
PCB-1016	N.D.	3.6	17
PCB-1221	N.D.	4.6	17
PCB-1232	N.D.	8.0	17
PCB-1242	N.D.	3.3	17
PCB-1248	N.D.	3.3	17
PCB-1254	N.D.	3.3	17
PCB-1260	N.D.	4.9	17
Total PCBs	N.D.	3.3	17
Batch number: 170810021A	Sample number(s): 8890724,8890728,8890736,8890744		
Aldrin	N.D.	0.17	0.83
Alpha BHC	N.D.	0.17	0.83
Beta BHC	N.D.	0.30	1.0
Gamma BHC - Lindane	N.D.	0.17	0.83
Alpha Chlordane	N.D.	0.17	0.83
Gamma Chlordane	N.D.	0.17	0.83
p,p-DDD	N.D.	0.33	1.7
p,p-DDE	N.D.	0.33	1.7
p,p-DDT	N.D.	0.35	1.7
Delta BHC	N.D.	0.45	0.90
Dieldrin	N.D.	0.33	1.7
Endosulfan I	N.D.	0.22	0.83
Endosulfan II	N.D.	0.33	1.7
Endosulfan Sulfate	N.D.	0.33	1.7
Endrin	N.D.	0.33	1.7
Endrin Aldehyde	N.D.	0.33	1.7
Endrin Ketone	N.D.	0.60	1.8
Heptachlor	N.D.	0.17	0.83
Heptachlor Epoxide	N.D.	0.17	0.83
Methoxychlor	N.D.	1.7	6.7
Toxaphene	N.D.	14	33
	mg/kg	mg/kg	mg/kg
Batch number: 170800030A	Sample number(s): 8890736,8890740,8890744,8890748,8890752		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170800031A	Sample number(s): 8890756		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170870027A	Sample number(s): 8890728,8890732		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Batch number: 170880016A	Sample number(s): 8890724		
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
	ug/l	ug/l	ug/l
Batch number: 170790047A	Sample number(s): 8890760		
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
Batch number: 170930009A	Sample number(s): 8890760		
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
	mg/kg	mg/kg	mg/kg
Batch number: 170815708004	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756		
Antimony	N.D.	0.700	2.00
Arsenic	N.D.	0.970	2.00
Barium	0.0600 J	0.0330	0.500
Beryllium	N.D.	0.0670	0.500
Cadmium	N.D.	0.0490	0.500
Chromium	N.D.	0.140	1.50
Cobalt	N.D.	0.120	0.500
Copper	0.436 J	0.230	1.00
Lead	N.D.	0.550	1.50
Molybdenum	0.175 J	0.170	1.00
Nickel	N.D.	0.300	1.00
Selenium	0.915 J	0.900	2.00
Silver	N.D.	0.150	0.500
Thallium	N.D.	0.820	3.00
Vanadium	N.D.	0.140	0.500
Zinc	N.D.	0.680	2.00
Batch number: 170815711002	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756		
Mercury	N.D.	0.0100	0.100
	mg/l	mg/l	mg/l
Batch number: 170861848001	Sample number(s): 8890760		
Antimony	N.D.	0.0077	0.0200
Arsenic	N.D.	0.0097	0.0200
Barium	0.0014 J	0.0011	0.0050
Beryllium	N.D.	0.00067	0.0050
Cadmium	N.D.	0.00049	0.0050
Chromium	N.D.	0.0018	0.0150
Cobalt	N.D.	0.0019	0.0050
Copper	N.D.	0.0041	0.0100
Lead	N.D.	0.0062	0.0150
Molybdenum	N.D.	0.0017	0.0100

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Method Blank (continued)

Analysis Name	Result mg/l	MDL** mg/l	LOQ mg/l
Nickel	N.D.	0.0028	0.0100
Selenium	N.D.	0.0097	0.0200
Silver	N.D.	0.0019	0.0050
Thallium	N.D.	0.0094	0.0300
Vanadium	N.D.	0.0016	0.0050
Zinc	N.D.	0.0054	0.0200
Batch number: 170865713002	Sample number(s): 8890760		
Mercury	N.D.	0.000050	0.00020
Batch number: 170895705004	Sample number(s): 8890727		
Chromium	N.D.	0.0450	0.375
Lead	N.D.	0.155	0.375

### LCS/LCSD

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B170812AA	Sample number(s):								
	8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756								
Acetone	150	108.68	150	105.42	72	70	32-144	3	30
Benzene	20	17.19	20	16.6	86	83	80-120	3	30
Bromodichloromethane	20	16.5	20	16.07	82	80	75-120	3	30
Bromoform	20	16.54	20	16.22	83	81	61-122	2	30
Bromomethane	20	16.44	20	15.79	82	79	39-155	4	30
2-Butanone	150	132.63	150	139.02	88	93	41-134	5	30
C6-Cl10-TPH-GRO	1000	976.66	1000	964.29	98	96	65-120	1	30
Carbon Disulfide	20	16.77	20	16.17	84	81	60-128	4	30
Carbon Tetrachloride	20	15.28	20	14.81	76	74	69-130	3	30
Chlorobenzene	20	18.1	20	17.73	91	89	80-120	2	30
Chloroethane	20	16.43	20	15.36	82	77	50-137	7	30
Chloroform	20	16.98	20	16.46	85	82	80-120	3	30
Chloromethane	20	15.42	20	14.78	77	74	56-120	4	30
Cyclohexane	20	16.11	20	14.97	81	75	58-126	7	30
1,2-Dibromo-3-chloropropane	20	17.4	20	16.76	87	84	54-120	4	30
Dibromochloromethane	20	16.68	20	16.52	83	83	71-120	1	30
1,2-Dibromoethane	20	18.72	20	18.43	94	92	80-120	2	30
1,2-Dichlorobenzene	20	19.44	20	18.83	97	94	80-120	3	30
1,3-Dichlorobenzene	20	18.23	20	17.8	91	89	80-120	2	30
1,4-Dichlorobenzene	20	18.87	20	18.17	94	91	80-120	4	30
Dichlorodifluoromethane	20	14.19	20	13.4	71	67	30-127	6	30
1,1-Dichloroethane	20	16.51	20	16.05	83	80	77-120	3	30
1,2-Dichloroethane	20	16.84	20	16.48	84	82	78-127	2	30
1,1-Dichloroethene	20	16.93	20	16.3	85	81	73-129	4	30
cis-1,2-Dichloroethene	20	18.16	20	17.54	91	88	80-120	3	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	20	17.11	20	16.5	86	83	80-125	4	30
1,2-Dichloropropane	20	16.89	20	16.26	84	81	76-120	4	30
cis-1,3-Dichloropropene	20	16.45	20	16.07	82	80	74-120	2	30
trans-1,3-Dichloropropene	20	17.06	20	16.92	85	85	70-120	1	30
Ethylbenzene	20	17.93	20	17.27	90	86	80-120	4	30
Freon 113	20	15.46	20	14.74	77	74	59-139	5	30
2-Hexanone	100	71.89	100	72.15	72	72	45-138	0	30
Isopropylbenzene	20	17.87	20	17.41	89	87	76-120	3	30
Methyl Acetate	20	16.19	20	15.64	81	78	54-155	3	30
Methyl Tertiary Butyl Ether	20	17.56	20	16.77	88	84	72-120	5	30
4-Methyl-2-pentanone	100	81.46	100	79.24	81	79	53-134	3	30
Methylcyclohexane	20	19.96	20	18.96	100	95	56-134	5	30
Methylene Chloride	20	17.95	20	17.73	90	89	76-122	1	30
Styrene	20	18.78	20	18.35	94	92	76-120	2	30
1,1,2,2-Tetrachloroethane	20	18.64	20	17.96	93	90	67-121	4	30
Tetrachloroethene	20	16.93	20	16.06	85	80	74-126	5	30
Toluene	20	18.3	20	17.66	92	88	80-120	4	30
1,2,4-Trichlorobenzene	20	19	20	18.42	95	92	63-121	3	30
1,1,1-Trichloroethane	20	14.78	20	13.83	74	69	66-128	7	30
1,1,2-Trichloroethane	20	19.44	20	19.07	97	95	80-120	2	30
Trichloroethene	20	16.25	20	15.6	81	78*	80-120	4	30
Trichlorofluoromethane	20	16.51	20	15.92	83	80	63-132	4	30
Vinyl Chloride	20	16.29	20	15.89	81	79	59-120	2	30
Xylene (Total)	60	54.81	60	53.11	91	89	80-120	3	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: W170831AA	Sample number(s): 8890760								
Acetone	150	166.2	150	163.98	111	109	50-168	1	30
Benzene	20	20.14	20	20.04	101	100	78-120	1	30
Bromodichloromethane	20	18.94	20	19.05	95	95	80-120	1	30
Bromoform	20	17.18	20	17.38	86	87	64-120	1	30
Bromomethane	20	16.1	20	17.01	81	85	49-121	6	30
2-Butanone	150	182.8	150	178.68	122	119	53-140	2	30
C6-C10-TPH-GRO	1000	918.49	1000	963.52	92	96	75-120	5	30
Carbon Disulfide	20	17.33	20	17.93	87	90	63-122	3	30
Carbon Tetrachloride	20	19.11	20	19.49	96	97	76-123	2	30
Chlorobenzene	20	19.68	20	19.53	98	98	80-120	1	30
Chloroethane	20	16.49	20	17.16	82	86	51-121	4	30
Chloroform	20	20.18	20	20.14	101	101	80-120	0	30
Chloromethane	20	18.78	20	17.86	94	89	57-120	5	30
Cyclohexane	20	17.68	20	18.03	88	90	67-121	2	30
1,2-Dibromo-3-chloropropane	20	17.96	20	17.83	90	89	59-120	1	30
Dibromochloromethane	20	17.65	20	17.54	88	88	78-120	1	30
1,2-Dibromoethane	20	19.6	20	19.61	98	98	75-120	0	30
1,2-Dichlorobenzene	20	18.75	20	19.15	94	96	80-120	2	30
1,3-Dichlorobenzene	20	18.94	20	18.61	95	93	80-120	2	30
1,4-Dichlorobenzene	20	18.99	20	18.83	95	94	80-120	1	30
Dichlorodifluoromethane	20	15.8	20	15.33	79	77	54-122	3	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethane	20	20.24	20	20.06	101	100	80-120	1	30
1,2-Dichloroethane	20	20.13	20	20.23	101	101	66-128	0	30
1,1-Dichloroethene	20	20.72	20	20.13	104	101	76-124	3	30
cis-1,2-Dichloroethene	20	20.86	20	20.96	104	105	80-120	0	30
trans-1,2-Dichloroethene	20	20.78	20	20.54	104	103	80-120	1	30
1,2-Dichloropropane	20	19.85	20	19.74	99	99	80-120	1	30
cis-1,3-Dichloropropene	20	19.36	20	19.25	97	96	75-120	1	30
trans-1,3-Dichloropropene	20	18.98	20	18.81	95	94	76-120	1	30
Ethylbenzene	20	19.74	20	19.6	99	98	78-120	1	30
Freon 113	20	18.53	20	19.37	93	97	68-129	4	30
2-Hexanone	100	107.04	100	106.02	107	106	49-137	1	30
Isopropylbenzene	20	19.65	20	19.41	98	97	80-120	1	30
Methyl Acetate	20	21.52	20	21.9	108	110	61-137	2	30
Methyl Tertiary Butyl Ether	20	19.72	20	20.02	99	100	75-120	1	30
4-Methyl-2-pentanone	100	102.44	100	102.91	102	103	56-131	0	30
Methylcyclohexane	20	18.85	20	18.92	94	95	66-126	0	30
Methylene Chloride	20	19.98	20	19.91	100	100	80-120	0	30
Styrene	20	19.18	20	18.94	96	95	80-120	1	30
1,1,2,2-Tetrachloroethane	20	18.4	20	19.24	92	96	72-120	4	30
Tetrachloroethene	20	19.8	20	19.57	99	98	80-129	1	30
Toluene	20	19.87	20	19.9	99	99	80-120	0	30
1,2,4-Trichlorobenzene	20	18.68	20	18.64	93	93	58-120	0	30
1,1,1-Trichloroethane	20	19.42	20	19.7	97	98	67-120	1	30
1,1,2-Trichloroethane	20	20.15	20	20.1	101	101	80-120	0	30
Trichloroethene	20	19.8	20	19.81	99	99	80-120	0	30
Trichlorofluoromethane	20	18.66	20	18.43	93	92	57-134	1	30
Vinyl Chloride	20	18.58	20	18.48	93	92	63-121	1	30
Xylene (Total)	60	59.49	60	59.02	99	98	80-120	1	30

Batch number: 17080SLI026	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	1666.67	1525.16		92	83-116
Acenaphthylene	1666.67	1535.96		92	83-119
Acetophenone	1666.67	1409.57		85	70-107
Anthracene	1666.67	1519.15		91	82-118
Atrazine	1666.67	1478.97		89	52-142
Benzaldehyde	1666.67	1392.31		84	10-93
Benzo(a)anthracene	1666.67	1521.83		91	76-119
Benzo(a)pyrene	1666.67	1563.11		94	78-117
Benzo(b)fluoranthene	1666.67	1585.66		95	79-121
Benzo(g,h,i)perylene	1666.67	1512.54		91	71-123
Benzo(k)fluoranthene	1666.67	1464.22		88	71-123
1,1'-Biphenyl	1666.67	1492.49		90	78-115
4-Bromophenyl-phenylether	1666.67	1474.75		88	78-122
Butylbenzylphthalate	1666.67	1480.89		89	80-118
Di-n-butylphthalate	1666.67	1494.27		90	84-120
Caprolactam	1666.67	1479.8		89	63-121
Carbazole	1666.67	1491.44		89	80-120

\*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Chloro-3-methylphenol	1666.67	1552.33			93		78-124		
4-Chloroaniline	1666.67	404.93			24		10-110		
bis(2-Chloroethoxy)methane	1666.67	1436.53			86		77-116		
bis(2-Chloroethyl)ether	1666.67	1368.01			82		68-115		
2-Chloronaphthalene	1666.67	1516.25			91		57-148		
2-Chlorophenol	1666.67	1588.75			95		80-121		
4-Chlorophenyl-phenylether	1666.67	1511.03			91		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1373.1			82		60-123		
Chrysene	1666.67	1468.81			88		72-121		
Dibenz(a,h)anthracene	1666.67	1616.2			97		72-129		
Dibenzofuran	1666.67	1495.12			90		79-114		
3,3'-Dichlorobenzidine	1666.67	877.31			53		12-125		
2,4-Dichlorophenol	1666.67	1614.4			97		86-125		
Diethylphthalate	1666.67	1467.76			88		81-118		
2,4-Dimethylphenol	1666.67	1152.07			69		57-109		
Dimethylphthalate	1666.67	1488.71			89		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1348.35			81		53-130		
2,4-Dinitrophenol	3333.33	2756.4			83		27-136		
2,4-Dinitrotoluene	1666.67	1531.97			92		81-122		
2,6-Dinitrotoluene	1666.67	1616.98			97		80-120		
bis(2-Ethylhexyl)phthalate	1666.67	1510.09			91		81-121		
Fluoranthene	1666.67	1441.13			86		72-120		
Fluorene	1666.67	1546.94			93		75-118		
Hexachlorobenzene	1666.67	1405.82			84		73-120		
Hexachlorobutadiene	1666.67	1443.57			87		72-120		
Hexachlorocyclopentadiene	3333.33	2644.22			79		57-142		
Hexachloroethane	1666.67	1367.83			82		69-116		
Indeno(1,2,3-cd)pyrene	1666.67	1545.04			93		69-125		
Isophorone	1666.67	1433.16			86		70-118		
2-Methylnaphthalene	1666.67	1513.55			91		77-116		
2-Methylphenol	1666.67	1580.08			95		74-128		
4-Methylphenol	1666.67	1505.65			90		72-120		
Naphthalene	1666.67	1431.69			86		75-113		
2-Nitroaniline	1666.67	1627.99			98		84-126		
3-Nitroaniline	1666.67	1393			84		60-125		
4-Nitroaniline	1666.67	1209.37			73		50-112		
Nitrobenzene	1666.67	1417.83			85		70-122		
2-Nitrophenol	1666.67	1567.12			94		83-120		
4-Nitrophenol	1666.67	1277.47			77		52-133		
N-Nitroso-di-n-propylamine	1666.67	1471.91			88		67-121		
N-Nitrosodiphenylamine	1666.67	1481.15			89		83-118		
Di-n-octylphthalate	1666.67	1690.89			101		80-140		
Pentachlorophenol	1666.67	1438.22			86		56-131		
Phenanthrene	1666.67	1449.36			87		74-114		
Phenol	1666.67	1435.47			86		73-122		
Pyrene	1666.67	1400.59			84		74-112		
2,4,5-Trichlorophenol	1666.67	1609.39			97		86-123		
2,4,6-Trichlorophenol	1666.67	1665.95			100		81-123		

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17081SLC026	Sample number(s): 8890744,8890748,8890752,8890756								
Acenaphthene	1666.67	1648.79			99		83-116		
Acenaphthylene	1666.67	1580.19			95		83-119		
Acetophenone	1666.67	1439.56			86		70-107		
Anthracene	1666.67	1607.99			96		82-118		
Atrazine	1666.67	1698.39			102		52-142		
Benzaldehyde	1666.67	1370.41			82		10-93		
Benzo(a)anthracene	1666.67	1513.26			91		76-119		
Benzo(a)pyrene	1666.67	1569.8			94		78-117		
Benzo(b)fluoranthene	1666.67	1585.91			95		79-121		
Benzo(g,h,i)perylene	1666.67	1790.61			107		71-123		
Benzo(k)fluoranthene	1666.67	1635.38			98		71-123		
1,1'-Biphenyl	1666.67	1640.01			98		78-115		
4-Bromophenyl-phenylether	1666.67	1775.42			107		78-122		
Butylbenzylphthalate	1666.67	1484.81			89		80-118		
Di-n-butylphthalate	1666.67	1529.33			92		84-120		
Caprolactam	1666.67	1330.12			80		63-121		
Carbazole	1666.67	1511.26			91		80-120		
4-Chloro-3-methylphenol	1666.67	1429.87			86		78-124		
4-Chloroaniline	1666.67	1331.24			80		10-110		
bis(2-Chloroethoxy)methane	1666.67	1401.35			84		77-116		
bis(2-Chloroethyl)ether	1666.67	1449.18			87		68-115		
2-Chloronaphthalene	1666.67	1983.38			119		57-148		
2-Chlorophenol	1666.67	1604.36			96		80-121		
4-Chlorophenyl-phenylether	1666.67	1541.33			92		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1412.47			85		60-123		
Chrysene	1666.67	1553.42			93		72-121		
Dibenz(a,h)anthracene	1666.67	1786.33			107		72-129		
Dibenzofuran	1666.67	1569.88			94		79-114		
3,3'-Dichlorobenzidine	1666.67	1308.75			79		12-125		
2,4-Dichlorophenol	1666.67	1616.82			97		86-125		
Diethylphthalate	1666.67	1475.55			89		81-118		
2,4-Dimethylphenol	1666.67	1196.82			72		57-109		
Dimethylphthalate	1666.67	1518.32			91		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1043.65			63		53-130		
2,4-Dinitrophenol	3333.33	1260.69			38		27-136		
2,4-Dinitrotoluene	1666.67	1447.18			87		81-122		
2,6-Dinitrotoluene	1666.67	1553.7			93		80-120		
bis(2-Ethylhexyl)phthalate	1666.67	1431.4			86		81-121		
Fluoranthene	1666.67	1445.83			87		72-120		
Fluorene	1666.67	1499.41			90		75-118		
Hexachlorobenzene	1666.67	1679.58			101		73-120		
Hexachlorobutadiene	1666.67	1622.23			97		72-120		
Hexachlorocyclopentadiene	3333.33	2759.56			83		57-142		
Hexachloroethane	1666.67	1445.1			87		69-116		
Indeno(1,2,3-cd)pyrene	1666.67	1717.75			103		69-125		
Isophorone	1666.67	1456.01			87		70-118		

\*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Methylnaphthalene	1666.67	1540.45			92		77-116		
2-Methylphenol	1666.67	1454.46			87		74-128		
4-Methylphenol	1666.67	1285.14			77		72-120		
Naphthalene	1666.67	1572.02			94		75-113		
2-Nitroaniline	1666.67	1597.91			96		84-126		
3-Nitroaniline	1666.67	1481.8			89		60-125		
4-Nitroaniline	1666.67	1141.89			69		50-112		
Nitrobenzene	1666.67	1502.34			90		70-122		
2-Nitrophenol	1666.67	1637.17			98		83-120		
4-Nitrophenol	1666.67	1232.82			74		52-133		
N-Nitroso-di-n-propylamine	1666.67	1403.3			84		67-121		
N-Nitrosodiphenylamine	1666.67	1690.87			101		83-118		
Di-n-octylphthalate	1666.67	1511.18			91		80-140		
Pentachlorophenol	1666.67	1651.57			99		56-131		
Phenanthrene	1666.67	1561.46			94		74-114		
Phenol	1666.67	1484.34			89		73-122		
Pyrene	1666.67	1559.43			94		74-112		
2,4,5-Trichlorophenol	1666.67	1665.52			100		86-123		
2,4,6-Trichlorophenol	1666.67	1706.02			102		81-123		
	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170790038A	Sample number(s): 8890724,8890728,8890736,8890744								
PCB-1016	168	173.24			103		76-121		
PCB-1260	167	176.6			106		79-130		
Batch number: 170810021A	Sample number(s): 8890724,8890728,8890736,8890744								
Aldrin	3.33	3.18			95		60-117		
Alpha BHC	3.33	3.36			101		65-124		
Beta BHC	3.27	3.46			106		68-129		
Gamma BHC - Lindane	3.33	3.45			103		47-140		
Alpha Chlordane	3.33	3.68			111		73-131		
Gamma Chlordane	3.33	3.84			115		76-134		
p,p-DDD	6.60	7.88			119		69-138		
p,p-DDE	6.60	7.60			115		68-146		
p,p-DDT	6.60	7.75			117		67-135		
Delta BHC	3.27	2.17			66		45-151		
Dieldrin	6.60	7.30			111		63-126		
Endosulfan I	3.33	3.49			105		62-119		
Endosulfan II	6.67	7.34			110		65-126		
Endosulfan Sulfate	6.60	7.49			113		71-132		
Endrin	6.67	7.39			111		65-125		
Endrin Aldehyde	6.60	7.13			108		59-122		
Endrin Ketone	6.60	7.55			114		64-121		
Heptachlor	3.33	3.53			106		66-118		
Heptachlor Epoxide	3.33	3.65			109		74-128		
Methoxychlor	33.1	39.86			120		65-131		
	mg/kg	mg/kg	mg/kg	mg/kg					

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 170800030A Total TPH w/Si Gel	Sample number(s): 8890736, 8890740, 8890744, 8890748, 8890752					142*	53-123		
Batch number: 170800031A Total TPH w/Si Gel	134	190.63							
Batch number: 170870027A Total TPH w/Si Gel	Sample number(s): 8890728, 8890732					100	53-123		
Batch number: 170880016A Total TPH w/Si Gel	134	120.74	134	128.67	90	96	53-123	6	50
Batch number: 170880016A Total TPH w/Si Gel	134	133.44							
Batch number: 170880016A Total TPH w/Si Gel	134	105.43	134	107.13	79	80	53-123	2	50
Batch number: 170790047A DRO C10-C28 w/ SiGel					<b>ug/l</b>	<b>ug/l</b>			
Batch number: 170930009A DRO C10-C28 w/ SiGel	601	316.91	601	255.14	53	42	33-115	22*	20
Batch number: 170930009A DRO C10-C28 w/ SiGel	601	331.13	601	287.57	55	48	33-115	14	20
Batch number: 170815708004					<b>mg/kg</b>	<b>mg/kg</b>			
Batch number: 170815708004	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756								
Antimony	50	53.15			106		80-120		
Arsenic	15	14.4			96		80-120		
Barium	200	199.7			100		80-120		
Beryllium	5.00	5.02			100		80-120		
Cadmium	5.00	5.23			105		80-120		
Chromium	20	19.47			97		80-120		
Cobalt	50	50.67			101		80-120		
Copper	25	26.25			105		80-120		
Lead	15	15.63			104		80-120		
Molybdenum	200	200.32			100		80-120		
Nickel	50	52.76			106		80-120		
Selenium	15	17.09			114		80-120		
Silver	5.00	5.34			107		80-120		
Thallium	15	16.57			110		80-120		
Vanadium	50	52.23			104		80-120		
Zinc	50	52.3			105		80-120		
Batch number: 170815711002	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756								
Mercury	0.100	0.0887			89		80-120		
Batch number: 170861848001					<b>mg/l</b>	<b>mg/l</b>			
Batch number: 170861848001	Sample number(s): 8890760								
Antimony	0.500	0.517			103		80-120		
Arsenic	0.150	0.157			105		80-120		
Barium	2.00	2.08			104		80-120		
Beryllium	0.0500	0.0492			98		80-120		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cadmium	0.0500	0.0523			105		80-120		
Chromium	0.200	0.201			101		80-120		
Cobalt	0.500	0.517			103		80-120		
Copper	0.250	0.247			99		80-120		
Lead	0.150	0.155			103		80-120		
Molybdenum	2.00	2.02			101		80-120		
Nickel	0.500	0.530			106		80-120		
Selenium	0.150	0.143			95		80-120		
Silver	0.0500	0.0533			107		80-120		
Thallium	0.150	0.156			104		80-120		
Vanadium	0.500	0.516			103		80-120		
Zinc	0.500	0.511			102		80-120		
Batch number: 170865713002	Sample number(s): 8890760								
Mercury	0.00100	0.000824			82		80-120		
Batch number: 170895705004	Sample number(s): 8890727								
Chromium	0.200	0.203			102		80-120		
Lead	0.150	0.149			99		80-120		
	%	%	%	%					
Batch number: 17081820006A	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756								
Moisture	89.5	89.41			100		99-101		

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 17080SLI026	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740 UNSPK: P887255									
Acenaphthene	N.D.	1657.82	1542.25	1657.82	1691.22	93	102	83-116	9	30
Acenaphthylene	N.D.	1657.82	1542.26	1657.82	1707.39	93	103	83-119	10	30
Acetophenone	N.D.	1657.82	1436.81	1657.82	1538.74	87	93	70-107	7	30
Anthracene	N.D.	1657.82	1524.9	1657.82	1676.22	92	101	82-118	9	30
Atrazine	N.D.	1657.82	1518.11	1657.82	1463.96	92	88	52-142	4	30
Benzaldehyde	N.D.	1657.82	1403.32	1657.82	1504.43	85	91	10-93	7	30
Benzo(a)anthracene	N.D.	1657.82	1507.93	1657.82	1667.02	91	101	76-119	10	30
Benzo(a)pyrene	N.D.	1657.82	1575.58	1657.82	1699.89	95	103	78-117	8	30
Benzo(b)fluoranthene	N.D.	1657.82	1654.91	1657.82	1758.15	100	106	79-121	6	30
Benzo(g,h,i)perylene	N.D.	1657.82	1494.47	1657.82	1680.45	90	101	71-123	12	30
Benzo(k)fluoranthene	N.D.	1657.82	1486.97	1657.82	1570.03	90	95	71-123	5	30
1,1'-Biphenyl	N.D.	1657.82	1483.11	1657.82	1645.72	89	99	78-115	10	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
4-Bromophenyl-phenylether	N.D.	1657.82	1481.14	1657.82	1626.32	89	98	78-122	9	30
Butylbenzylphthalate	N.D.	1657.82	1471.48	1657.82	1661.28	89	100	80-118	12	30
Di-n-butylphthalate	N.D.	1657.82	1514.75	1657.82	1906.78	91	115	84-120	23	30
Caprolactam	N.D.	1657.82	1539.68	1657.82	1638.06	93	99	63-121	6	30
Carbazole	N.D.	1657.82	1477.15	1657.82	1628.12	89	98	80-120	10	30
4-Chloro-3-methylphenol	N.D.	1657.82	1638.81	1657.82	1736.94	99	105	78-124	6	30
4-Chloroaniline	N.D.	1657.82	832.2	1657.82	1094.44	50	66	10-110	27	30
bis(2-Chloroethoxy)methane	N.D.	1657.82	1464.7	1657.82	1592.34	88	96	77-116	8	30
bis(2-Chloroethyl)ether	N.D.	1657.82	1392.27	1657.82	1506.82	84	91	68-115	8	30
2-Chloronaphthalene	N.D.	1657.82	1509.29	1657.82	1684.87	91	102	57-148	11	30
2-Chlorophenol	N.D.	1657.82	1610.6	1657.82	1709.81	97	103	80-121	6	30
4-Chlorophenyl-phenylether	N.D.	1657.82	1531.05	1657.82	1672.13	92	101	73-119	9	30
2,2'-oxybis(1-Chloropropane)	N.D.	1657.82	1407.92	1657.82	1507.87	85	91	60-123	7	30
Chrysene	N.D.	1657.82	1433.82	1657.82	1591.15	86	96	72-121	10	30
Dibenz(a,h)anthracene	N.D.	1657.82	1620.91	1657.82	1791.71	98	108	72-129	10	30
Dibenzofuran	N.D.	1657.82	1509.4	1657.82	1652.19	91	100	79-114	9	30
3,3'-Dichlorobenzidine	N.D.	1657.82	1211.74	1657.82	1480.09	73	89	12-125	20	30
2,4-Dichlorophenol	N.D.	1657.82	1689.03	1657.82	1802.18	102	109	86-125	6	30
Diethylphthalate	N.D.	1657.82	1498.13	1657.82	1601.6	90	97	81-118	7	30
2,4-Dimethylphenol	N.D.	1657.82	1150.78	1657.82	1178.53	69	71	57-109	2	30
Dimethylphthalate	N.D.	1657.82	1495.9	1657.82	1636.28	90	99	82-113	9	30
4,6-Dinitro-2-methylphenol	N.D.	1657.82	1351.56	1657.82	1489.97	82	90	53-130	10	30
2,4-Dinitrophenol	N.D.	3315.65	2685.76	3315.65	2986.42	81	90	27-136	11	30
2,4-Dinitrotoluene	N.D.	1657.82	1553.8	1657.82	1680.54	94	101	81-122	8	30
2,6-Dinitrotoluene	N.D.	1657.82	1603.39	1657.82	1759.67	97	106	80-120	9	30
bis(2-Ethylhexyl)phthalate	N.D.	1657.82	1532.16	1657.82	1697.37	92	102	81-121	10	30
Fluoranthene	N.D.	1657.82	1446.71	1657.82	1597.92	87	96	72-120	10	30
Fluorene	N.D.	1657.82	1537.59	1657.82	1677.55	93	101	75-118	9	30
Hexachlorobenzene	N.D.	1657.82	1432.26	1657.82	1552.48	86	94	73-120	8	30
Hexachlorobutadiene	N.D.	1657.82	1488.43	1657.82	1622.15	90	98	72-120	9	30
Hexachlorocyclopentadiene	N.D.	3315.65	2447.97	3315.65	2884.11	74	87	57-142	16	30
Hexachloroethane	N.D.	1657.82	1398.21	1657.82	1518.12	84	92	69-116	8	30
Indeno(1,2,3-cd)pyrene	N.D.	1657.82	1543.73	1657.82	1742.22	93	105	69-125	12	30
Isophorone	N.D.	1657.82	1474.39	1657.82	1603.63	89	97	70-118	8	30
2-Methylnaphthalene	N.D.	1657.82	1570.02	1657.82	1688.83	95	102	77-116	7	30
2-Methylphenol	N.D.	1657.82	1594.61	1657.82	1680.98	96	101	74-128	5	30
4-Methylphenol	N.D.	1657.82	1566.68	1657.82	1659.3	95	100	72-120	6	30
Naphthalene	N.D.	1657.82	1484.84	1657.82	1609.24	90	97	75-113	8	30
2-Nitroaniline	N.D.	1657.82	1658.64	1657.82	1843.04	100	111	84-126	11	30
3-Nitroaniline	N.D.	1657.82	1503.51	1657.82	1652.75	91	100	60-125	9	30
4-Nitroaniline	N.D.	1657.82	1202.07	1657.82	1504.61	73	91	50-112	22	30
Nitrobenzene	N.D.	1657.82	1459.72	1657.82	1581.96	88	95	70-122	8	30
2-Nitrophenol	N.D.	1657.82	1654.02	1657.82	1816.02	100	110	83-120	9	30
4-Nitrophenol	N.D.	1657.82	1250.1	1657.82	1385.53	75	84	52-133	10	30
N-Nitroso-di-n-propylamine	N.D.	1657.82	1494.38	1657.82	1603.61	90	97	67-121	7	30
N-Nitrosodiphenylamine	N.D.	1657.82	1484.71	1657.82	1624.93	90	98	83-118	9	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Di-n-octylphthalate	N.D.	1657.82	1849.94	1657.82	1887.92	112	114	80-140	2	30
Pentachlorophenol	N.D.	1657.82	1206.53	1657.82	1461.01	73	88	56-131	19	30
Phenanthrene	N.D.	1657.82	1445.09	1657.82	1604.28	87	97	74-114	10	30
Phenol	N.D.	1657.82	1477.15	1657.82	1580.09	89	95	73-122	7	30
Pyrene	N.D.	1657.82	1413.15	1657.82	1544.37	85	93	74-112	9	30
2,4,5-Trichlorophenol	N.D.	1657.82	1628.91	1657.82	1802.3	98	109	86-123	10	30
2,4,6-Trichlorophenol	N.D.	1657.82	1609.71	1657.82	1768.09	97	107	81-123	9	30
Batch number: 17081SLC026	Sample number(s): 8890744,8890748,8890752,8890756 UNSPK: P893023									
Acenaphthene	N.D.	1665.56	1644.7	1645.28	1621.04	99	99	83-116	1	30
Acenaphthylene	N.D.	1665.56	1566.51	1645.28	1566.85	94	95	83-119	0	30
Acetophenone	N.D.	1665.56	1469.87	1645.28	1374.36	88	84	70-107	7	30
Anthracene	N.D.	1665.56	1563.51	1645.28	1596.46	94	97	82-118	2	30
Atrazine	N.D.	1665.56	1695.06	1645.28	1759.89	102	107	52-142	4	30
Benzaldehyde	N.D.	1665.56	1506.15	1645.28	1397.02	90	85	10-93	8	30
Benzo(a)anthracene	N.D.	1665.56	1479.31	1645.28	1512.77	89	92	76-119	2	30
Benzo(a)pyrene	N.D.	1665.56	1579.93	1645.28	1494.77	95	91	78-117	6	30
Benzo(b)fluoranthene	N.D.	1665.56	1585.15	1645.28	1548.95	95	94	79-121	2	30
Benzo(g,h,i)perylene	N.D.	1665.56	1836.48	1645.28	1964.54	110	119	71-123	7	30
Benzo(k)fluoranthene	N.D.	1665.56	1623.94	1645.28	1370.6	98	83	71-123	17	30
1,1'-Biphenyl	N.D.	1665.56	1639.05	1645.28	1640.97	98	100	78-115	0	30
4-Bromophenyl-phenylether	N.D.	1665.56	1748.44	1645.28	1815.86	105	110	78-122	4	30
Butylbenzylphthalate	N.D.	1665.56	1551.01	1645.28	1632.33	93	99	80-118	5	30
Di-n-butylphthalate	N.D.	1665.56	1539.8	1645.28	1615.48	92	98	84-120	5	30
Caprolactam	N.D.	1665.56	999.83	1645.28	884.34	60*	54*	63-121	12	30
Carbazole	N.D.	1665.56	1470.3	1645.28	1475.39	88	90	80-120	0	30
4-Chloro-3-methylphenol	N.D.	1665.56	1400.46	1645.28	1310.93	84	80	78-124	7	30
4-Chloroaniline	N.D.	1665.56	462.98	1645.28	831.13	28	51	10-110	57*	30
bis(2-Chloroethoxy)methane	N.D.	1665.56	1399.89	1645.28	1376.44	84	84	77-116	2	30
bis(2-Chloroethyl) ether	N.D.	1665.56	1476.01	1645.28	1444.64	89	88	68-115	2	30
2-Chloronaphthalene	N.D.	1665.56	1948.93	1645.28	1348.35	117	82	57-148	36*	30
2-Chlorophenol	N.D.	1665.56	1619.06	1645.28	1525.55	97	93	80-121	6	30
4-Chlorophenyl-phenylether	N.D.	1665.56	1545.85	1645.28	1510.87	93	92	73-119	2	30
2,2'-oxybis(1-Chloropropane)	N.D.	1665.56	1464.26	1645.28	1374.29	88	84	60-123	6	30
Chrysene	N.D.	1665.56	1533.54	1645.28	1460.44	92	89	72-121	5	30
Dibenz(a,h)anthracene	N.D.	1665.56	1780.95	1645.28	1903.47	107	116	72-129	7	30
Dibenzofuran	N.D.	1665.56	1576.97	1645.28	1542.41	95	94	79-114	2	30
3,3'-Dichlorobenzidine	N.D.	1665.56	365.49	1645.28	676.21	22	41	12-125	60*	30
2,4-Dichlorophenol	N.D.	1665.56	1555.59	1645.28	1521.22	93	92	86-125	2	30
Diethylphthalate	N.D.	1665.56	1505.59	1645.28	1473.81	90	90	81-118	2	30
2,4-Dimethylphenol	N.D.	1665.56	1176.06	1645.28	1116.93	71	68	57-109	5	30
Dimethylphthalate	N.D.	1665.56	1542.26	1645.28	1546.34	93	94	82-113	0	30
4,6-Dinitro-2-methylphenol	N.D.	1665.56	1221.29	1645.28	1042.8	73	63	53-130	16	30
2,4-Dinitrophenol	N.D.	3331.11	1917.23	3290.56	1389.09	58	42	27-136	32*	30
2,4-Dinitrotoluene	N.D.	1665.56	1457.3	1645.28	1380.18	87	84	81-122	5	30
2,6-Dinitrotoluene	N.D.	1665.56	1548.22	1645.28	1491.01	93	91	80-120	4	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
bis(2-Ethylhexyl)phthalate	N.D.	1665.56	1495.5	1645.28	1767.01	90	107	81-121	17	30
Fluoranthene	N.D.	1665.56	1427.78	1645.28	1358.3	86	83	72-120	5	30
Fluorene	N.D.	1665.56	1509.2	1645.28	1465.22	91	89	75-118	3	30
Hexachlorobenzene	N.D.	1665.56	1607.78	1645.28	1651.84	97	100	73-120	3	30
Hexachlorobutadiene	N.D.	1665.56	1635.24	1645.28	1656.08	98	101	72-120	1	30
Hexachlorocyclopentadiene	N.D.	3331.11	1531.36	3290.56	1479.79	46*	45*	57-142	3	30
Hexachloroethane	N.D.	1665.56	1477.62	1645.28	1423.74	89	87	69-116	4	30
Indeno(1,2,3-cd)pyrene	N.D.	1665.56	1732.72	1645.28	1846.49	104	112	69-125	6	30
Isophorone	N.D.	1665.56	1442.31	1645.28	1399.67	87	85	70-118	3	30
2-Methylnaphthalene	N.D.	1665.56	1508	1645.28	1478.31	91	90	77-116	2	30
2-Methylphenol	N.D.	1665.56	1466.97	1645.28	1360.26	88	83	74-128	8	30
4-Methylphenol	N.D.	1665.56	1296.33	1645.28	1192.72	78	72	72-120	8	30
Naphthalene	N.D.	1665.56	1563.99	1645.28	1556.5	94	95	75-113	0	30
2-Nitroaniline	N.D.	1665.56	1587.52	1645.28	1571.37	95	96	84-126	1	30
3-Nitroaniline	N.D.	1665.56	1396.64	1645.28	1411.65	84	86	60-125	1	30
4-Nitroaniline	N.D.	1665.56	1019.93	1645.28	1030.71	61	63	50-112	1	30
Nitrobenzene	N.D.	1665.56	1511.65	1645.28	1474.72	91	90	70-122	2	30
2-Nitrophenol	N.D.	1665.56	1621.24	1645.28	1576.85	97	96	83-120	3	30
4-Nitrophenol	N.D.	1665.56	1307.33	1645.28	1198.25	78	73	52-133	9	30
N-Nitroso-di-n-propylamine	N.D.	1665.56	1440.73	1645.28	1326.43	87	81	67-121	8	30
N-Nitrosodiphenylamine	N.D.	1665.56	1679.78	1645.28	1760.21	101	107	83-118	5	30
Di-n-octylphthalate	N.D.	1665.56	1625.53	1645.28	1494.26	98	91	80-140	8	30
Pentachlorophenol	N.D.	1665.56	1561.67	1645.28	1544.38	94	94	56-131	1	30
Phenanthrene	N.D.	1665.56	1528.93	1645.28	1548.16	92	94	74-114	1	30
Phenol	N.D.	1665.56	1524.14	1645.28	1389.87	92	84	73-122	9	30
Pyrene	N.D.	1665.56	1549.7	1645.28	1585.48	93	96	74-112	2	30
2,4,5-Trichlorophenol	N.D.	1665.56	1614.3	1645.28	1576.76	97	96	86-123	2	30
2,4,6-Trichlorophenol	N.D.	1665.56	1648.87	1645.28	1612.47	99	98	81-123	2	30
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170790038A	Sample number(s): 8890724,8890728,8890736,8890744 UNSPK: P887210									
PCB-1016	N.D.	167	144.56	166	145.35	87	88	76-121	1	50
PCB-1260	N.D.	166	153.48	165	155.11	92	94	79-130	1	50
Batch number: 170810021A	Sample number(s): 8890724,8890728,8890736,8890744 UNSPK: 8890724									
Aldrin	N.D.	3.33	2.60	3.30	2.78	78	84	60-117	7	50
Alpha BHC	N.D.	3.33	2.61	3.30	2.78	78	84	65-124	6	50
Beta BHC	N.D.	3.26	2.75	3.23	3.00	84	93	68-129	9	50
Gamma BHC - Lindane	N.D.	3.33	2.76	3.30	2.85	83	86	47-140	3	50
Alpha Chlordane	N.D.	3.33	2.66	3.30	2.92	80	88	73-131	9	50
Gamma Chlordane	N.D.	3.33	2.75	3.30	3.13	83	95	76-134	13	50
p,p-DDD	N.D.	6.60	5.78	6.53	6.67	88	102	69-138	14	50
p,p-DDE	N.D.	6.60	5.59	6.53	6.20	85	95	68-146	10	50
p,p-DDT	N.D.	6.60	5.53	6.53	6.34	84	97	67-135	14	50
Delta BHC	N.D.	3.26	2.51	3.23	2.99	77	93	45-151	17	50
Dieldrin	N.D.	6.60	5.38	6.53	6.07	82	93	63-126	12	50

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Endosulfan I	N.D.	3.33	2.37	3.30	2.80	71	85	62-119	16	50
Endosulfan II	N.D.	6.66	4.79	6.59	5.84	72	89	65-126	20	50
Endosulfan Sulfate	N.D.	6.60	4.95	6.53	6.12	75	94	71-132	21	50
Endrin	N.D.	6.66	5.25	6.59	5.89	79	89	65-125	12	50
Endrin Aldehyde	N.D.	6.60	4.34	6.53	5.54	66	85	59-122	24	35
Endrin Ketone	N.D.	6.60	5.13	6.53	5.87	78	90	64-121	14	50
Heptachlor	N.D.	3.33	2.67	3.30	2.97	80	90	66-118	10	50
Heptachlor Epoxide	N.D.	3.33	2.73	3.30	3.00	82	91	74-128	10	50
Methoxychlor	N.D.	33.1	29.87	32.8	35.06	90	107	65-131	16	50
	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>					
Batch number: 170800030A	Sample number(s): 8890736, 8890740, 8890744, 8890748, 8890752 UNSPK: P887255									
Total TPH w/Si Gel	N.D.	131	134.93			103		53-123		
Batch number: 170870027A	Sample number(s): 8890728, 8890732 UNSPK: P887255									
Total TPH w/Si Gel	N.D.	131	61.93			47*		53-123		
	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>					
Batch number: 170815708004	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756 UNSPK: P890396									
Antimony	4.69	48.08	40.94	43.86	39.5	75	79	75-125	4	20
Arsenic	34.77	14.42	48.39	13.16	53.16	94	140*	75-125	9	20
Barium	291.77	192.31	551.89	175.44	464.18	135*	98	75-125	17	20
Beryllium	2.20	4.81	6.51	4.39	6.14	90	90	75-125	6	20
Cadmium	2.24	4.81	6.43	4.39	6.47	87	96	75-125	1	20
Chromium	95.58	19.23	123.18	17.54	109.77	144 (2)	81 (2)	75-125	12	20
Cobalt	19.49	48.08	59.32	43.86	59.48	83	91	75-125	0	20
Copper	448.48	24.04	417.87	21.93	503.42	-127 (2)	250 (2)	75-125	19	20
Lead	87.65	14.42	81.36	13.16	120.4	-44 (2)	249 (2)	75-125	39*	20
Molybdenum	107.51	192.31	252.18	175.44	280.71	75	99	75-125	11	20
Nickel	31.63	48.08	69.75	43.86	70.54	79	89	75-125	1	20
Selenium	1.08	14.42	19.78	13.16	18.39	130*	132*	75-125	7	20
Silver	N.D.	4.81	4.51	4.39	3.75	94	86	75-125	18	20
Thallium	2.01	14.42	15.18	13.16	13.28	91	86	75-125	13	20
Vanadium	48.48	48.08	96.87	43.86	89.73	101	94	75-125	8	20
Zinc	626.02	48.08	718.92	43.86	729.22	193 (2)	235 (2)	75-125	1	20
Batch number: 170815711002	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756 UNSPK: P892445									
Mercury	0.0879	0.159	0.268	0.164	0.260	113	105	80-120	3	20
	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>					
Batch number: 170861848001	Sample number(s): 8890760 UNSPK: P894626									

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Antimony	N.D.	0.500	0.520	0.500	0.531	104	106	75-125	2	20
Arsenic	N.D.	0.150	0.162	0.150	0.164	108	109	75-125	1	20
Barium	0.131	2.00	2.15	2.00	2.17	101	102	75-125	1	20
Beryllium	N.D.	0.0500	0.0506	0.0500	0.0510	101	102	75-125	1	20
Cadmium	N.D.	0.0500	0.0512	0.0500	0.0515	102	103	75-125	1	20
Chromium	N.D.	0.200	0.202	0.200	0.205	101	102	75-125	1	20
Cobalt	0.00226	0.500	0.506	0.500	0.509	101	101	75-125	0	20
Copper	N.D.	0.250	0.253	0.250	0.255	101	102	75-125	1	20
Lead	N.D.	0.150	0.151	0.150	0.155	100	103	75-125	3	20
Molybdenum	0.00580	2.00	2.01	2.00	2.07	100	103	75-125	3	20
Nickel	N.D.	0.500	0.515	0.500	0.519	103	104	75-125	1	20
Selenium	N.D.	0.150	0.143	0.150	0.146	95	98	75-125	3	20
Silver	N.D.	0.0500	0.0539	0.0500	0.0546	108	109	75-125	1	20
Thallium	N.D.	0.150	0.150	0.150	0.160	100	106	75-125	6	20
Vanadium	0.00369	0.500	0.526	0.500	0.529	104	105	75-125	1	20
Zinc	0.00566	0.500	0.516	0.500	0.517	102	102	75-125	0	20
Batch number: 170865713002	Sample number(s): 8890760 UNSPK: P894624									
Mercury	N.D.	0.00100	0.000801	0.00100	0.000772	80	77*	80-120	4	20
Batch number: 170895705004	Sample number(s): 8890727 UNSPK: P884187									
Chromium	0.199	5.00	5.22	5.00	5.25	100	101	75-125	1	20
Lead	0.436	3.75	4.12	3.75	4.17	98	100	75-125	1	20

### Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Batch number: 170800030A	Sample number(s): 8890736,8890740,8890744,8890748,8890752 BKG: P887255			
C13-C22 w/Si Gel	N.D.	N.D.	0 (1)	50
C23-C40 w/Si Gel	N.D.	N.D.	0 (1)	50
Total TPH w/Si Gel	N.D.	N.D.	0 (1)	50
Batch number: 170870027A	Sample number(s): 8890728,8890732 BKG: P887255			
C13-C22 w/Si Gel	N.D.	N.D.	0 (1)	50
C23-C40 w/Si Gel	N.D.	N.D.	0 (1)	50
Total TPH w/Si Gel	N.D.	N.D.	0 (1)	50
	mg/kg	mg/kg		

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Batch number: 170815708004	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756 BKG: P890396			
Antimony	4.69	5.44	15 (1)	20
Arsenic	34.77	41.12	17	20
Barium	291.77	290.66	0	20
Beryllium	2.20	2.25	2 (1)	20
Cadmium	2.24	2.41	7	20
Chromium	95.58	92.65	3	20
Cobalt	19.49	18.38	6	20
Copper	448.48	412.32	8	20
Lead	87.65	79.94	9	20
Molybdenum	107.51	95.93	11	20
Nickel	31.63	28.63	10	20
Selenium	1.08	N.D.	200* (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	2.01	1.76	13 (1)	20
Vanadium	48.48	47.75	2	20
Zinc	626.02	663.82	6	20
Batch number: 170815711002	Sample number(s): 8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756 BKG: P892445			
Mercury	0.0879	0.0810	8 (1)	20
	mg/l	mg/l		
Batch number: 170861848001	Sample number(s): 8890760 BKG: P894626			
Antimony	N.D.	N.D.	0 (1)	20
Arsenic	N.D.	N.D.	0 (1)	20
Barium	0.131	0.129	2	20
Beryllium	N.D.	N.D.	0 (1)	20
Cadmium	N.D.	N.D.	0 (1)	20
Chromium	N.D.	N.D.	0 (1)	20
Cobalt	0.00226	0.00216	5 (1)	20
Copper	N.D.	N.D.	0 (1)	20
Lead	N.D.	N.D.	0 (1)	20
Molybdenum	0.00580	0.00401	36* (1)	20
Nickel	N.D.	0.00293	200* (1)	20
Selenium	N.D.	N.D.	0 (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	N.D.	0.00944	200* (1)	20
Vanadium	0.00369	0.00400	8 (1)	20
Zinc	0.00566	0.00559	1 (1)	20
Batch number: 170865713002	Sample number(s): 8890760 BKG: P894624			
Mercury	N.D.	N.D.	0 (1)	20
Batch number: 170895705004	Sample number(s): 8890727 BKG: P884187			

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Chromium	0.199	0.213	7 (1)	20
Lead	0.436	0.456	5 (1)	20
	%	%		

Batch number: 17081820006A Sample number(s):  
8890724, 8890728, 8890732, 8890736, 8890740, 8890744, 8890748, 8890752, 8890756 BKG: 8890740

Moisture	19.94	19.08	4	5
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### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170812AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890724	98	100	110	79
8890728	98	101	102	89
8890732	97	99	102	89
8890736	97	98	102	89
8890740	99	98	102	89
8890744	98	98	103	88
8890748	98	96	102	87
8890752	99	99	102	87
8890756	99	99	103	89
Blank	97	100	102	90
LCS	97	98	104	96
LCSD	97	100	104	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: W170831AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890760	100	101	98	96
Blank	100	105	99	95
LCS	100	105	100	100
LCSD	101	100	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TCL 8270 (microwave)  
Batch number: 17080SLI026

\*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL 8270 (microwave)  
Batch number: 17080SLI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8890724	89	86	77	82	86	85
8890728	96	95	82	82	91	88
8890732	100	99	86	90	94	92
8890736	89	92	72	81	89	85
8890740	91	91	77	82	88	86
Blank	92	94	91	88	89	88
LCS	95	94	83	85	89	86
MS	98	97	78	88	89	85
MSD	104	103	86	94	99	94
Limits:	46-125	43-130	28-141	45-125	50-124	43-132

Analysis Name: TCL 8270 (microwave)  
Batch number: 17081SLC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8890744	84	91	62	86	92	93
8890748	82	93	81	88	96	93
8890752	83	93	84	90	99	97
8890756	78	87	69	84	90	90
Blank	68	76	71	74	78	78
LCS	89	98	89	90	99	95
MS	90	98	83	90	97	96
MSD	84	93	80	89	99	100
Limits:	46-125	43-130	28-141	45-125	50-124	43-132

Analysis Name: PCBs in Soil (microwave)  
Batch number: 170790038A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890724	94	100
8890728	97	102
8890736	85	93
8890744	94	95
Blank	108	109
LCS	107	109
MS	94	96
MSD	96	100
Limits:	53-140	45-143

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170810021A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890724	80	84
8890728	84	94

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170810021A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890736	96	101
8890744	79	96
Blank	92	109
LCS	94	108
MS	72	71
MSD	80	88

Limits: 26-145 39-152

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170790047A

	Orthoterphenyl	Capric Acid
8890760	27*	0
Blank	64	
LCS	70	
LCSD	58	

Limits: 50-150 0-1

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170800030A

	Orthoterphenyl
8890736	131*
8890740	112
8890744	103
8890748	122
8890752	118
Blank	147*
DUP	131*
LCS	166*
MS	129*

Limits: 44-128

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170800031A

	Orthoterphenyl
8890756	91
Blank	93
LCS	91
LCSD	102

Limits: 44-128

\*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:28

Group Number: 1778223

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170870027A

	Orthoterphenyl
8890728	67
8890732	81
Blank	80
DUP	86
LCS	109
MS	72

Limits: 44-128

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170880016A

	Orthoterphenyl
8890724	72
Blank	85
LCS	85
LCSD	86

Limits: 44-128

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170930009A

	Orthoterphenyl	Capric Acid
8890760RE	55	0
Blank	74	
LCS	73	
LCSD	64	

Limits: 50-150                      0-1

\*- Outside of specification

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13439 | 1778223 | 8890724-60



Stantec Consulting Corporation  
 15575 Los Gatos Blvd, Building C  
 Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 1 of 1

<b>Project Contact (Hardcopy or PDF To):</b> Madelaine Montilla			<b>California EDF Report?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					<b>Chain-of-Custody Record and Analysis Request</b>																									
<b>Laboratory / Address:</b> Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601			<b>Electronic Deliverables To (Email Address):</b> Madelaine.Montilla@stantec.com																		<b>Analysis Request</b>										<b>TAT</b>		
<b>Lab Phone No.:</b> 717-656-2300 ext:1073		<b>Lab PM:</b> David Velasquez	<b>Global ID No:</b>					EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHD) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (β soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only												
<b>Project Number:</b> 185703649.200.0001		<b>P.O. No.:</b>	<b>Samplers Name:</b> Sergio Schirripa																			EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHD) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (β soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only
<b>Project Name:</b> City of Palo Alto: Lots C-6 & C-7			<b>Project Address:</b> Birch Street Between Jacaranda and Sherman, Palo Alto, CA																														
<b>Project Manager:</b> Madelaine Montilla Phone: 408-827-3534			<b>Sampling</b>		<b>Container</b>			<b>Preservative</b>				<b>Matrix</b>																					
<b>Sample Name</b>		<b>Date</b>	<b>Time</b>	40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHD) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (β soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only						
C6-4-1		3/17/17	0800	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-5			0825	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-10			0840	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-15			0843	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-20			0848	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-25			0858	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-30			0906	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-35			0918	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-40			0920	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD							
C6-4-W			0940	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	STD							
<b>Relinquished by:</b> 		<b>Date</b> 3/17/17	<b>Time</b> 1200	<b>Received by:</b> FedEx					<b>Remarks:</b> Hold ALL samples for further TCLP or STLC analysis.																								
<b>Relinquished by:</b>		<b>Date</b>	<b>Time</b>	<b>Received by:</b>																													
<b>Relinquished by:</b>		<b>Date</b>	<b>Time</b>	<b>Received by Laboratory:</b> [Signature] 3/18/17 10:16																		<b>Bill To: Madelaine Montilla</b> Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032											



Client: Stantec

**Delivery and Receipt Information**

Delivery Method: Fed Ex                      Arrival Timestamp: 03/18/2017 10:10  
 Number of Packages: 4                              Number of Projects: 2  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Zane Hollinger (10251) at 14:08 on 03/18/2017*

**Samples Chilled Details**

Thermometer Types:    *DT = Digital (Temp. Bottle)*    *IR = Infrared (Surface Temp)*    *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	3.0	DT	Wet	Y	Bagged	N
2	DT146	1.7	DT	Wet	Y	Bagged	N
3	DT146	1.1	DT	Wet	Y	Bagged	N
4	DT146	1.4	DT	Wet	Y	Bagged	N

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Report Date: April 12, 2017

**Project: City of Palo Alto: Lots C-6 & C-7**

Submittal Date: 03/18/2017  
Group Number: 1778224  
PO Number: 185703649.200.0003

### Client Sample Description

C6-4-1 Soil  
C6-4-5 Soil  
C6-4-20 Soil

Lancaster Labs

(LL) #

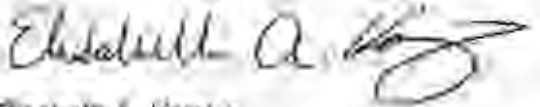
8890761  
8890762  
8890763

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Stantec

Attn: Madelaine Montilla

Respectfully Submitted,



Elizabeth A. Kinsley  
Project Manager

(717) 556-7262



Sample Description: C6-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890761  
LL Group # 1778224  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/12/2017 09:11

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.



Sample Description: C6-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890762  
LL Group # 1778224  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:25 by SS

Stantec

15575 Los Gatos Boulevard

Submitted: 03/18/2017 10:10

Building C

Reported: 04/12/2017 09:11

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C6-4-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890763  
LL Group # 1778224  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/17/2017 08:48 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/12/2017 09:11

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/12/2017 09:11

Group Number: 1778224

---

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

13439 / 1778224 / 8890761-63



Stantec Consulting Corporation  
 15575 Los Gatos Blvd, Building C  
 Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 1 of 1

Project Contact (Hardcopy or PDF To):  
 Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:  
 Eurofins-Lancaster Labs.  
 2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.: 717-656-2300 ext:1073  
 Lab PM: David Velasquez

Global ID No:

Project Number: 185703649.200.0001  
 P.O. No.:

Samplers Name:  
 Sergio Schirripa

Project Name:  
 City of Palo Alto: Lots C-6 & C-7

Project Address:  
 Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:  
 Madelaine Montilla  
 Phone: 408-827-3534

Sampling	Container	Preservative				Matrix			
		40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE

EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	TAT
------------------------	---------------------------	---	--	-------------------------	--	--	------------------------	----------------------------	---	--	----------------------	-----

Sample Name	Date	Time	Container				Preservative				Matrix		Analysis Request														
			40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure				
C6-4-1	3/17/17	0800	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X				1	STD
C6-4-5		0825	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X					1	STD
C6-4-10		0840	X	X	X	X	X	X	X		X		X	X	X	X	X									1	STD
C6-4-15		0843	X	X	X	X	X	X	X		X		X	X	X	X	X	X								1	STD
C6-4-20		0848	X	X	X	X	X	X	X		X		X	X	X	X	X		X							1	STD
C6-4-25		0858	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X							1	STD
C6-4-30		0906	X	X	X	X	X	X	X		X		X	X	X	X	X									1	STD
C6-4-35		0918	X	X	X	X	X	X	X		X		X	X	X	X	X									1	STD
C6-4-40		0920	X	X	X	X	X	X	X		X		X	X	X	X	X									1	STD
C6-4-W		0940	X	X	X	X	X	X	X		X		X	X	X	X	X									6	STD

Relinquished by: [Signature] Date: 3/17/17 Time: 1200

Received by: FedEx

Remarks:  
 Hold ALL samples for further TCLP or STLC analysis.

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by Laboratory: [Signature] 3/18/17 10:16

Bill To: Madelaine Montilla  
 Stantec  
 15575 Los Gatos Blvd., Building C  
 Los Gatos, CA 95032



Client: Stantec

**Delivery and Receipt Information**

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>03/18/2017 10:10</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>CA</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Zane Hollinger (10251) at 14:08 on 03/18/2017*

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	3.0	DT	Wet	Y	Bagged	N
2	DT146	1.7	DT	Wet	Y	Bagged	N
3	DT146	1.1	DT	Wet	Y	Bagged	N
4	DT146	1.4	DT	Wet	Y	Bagged	N



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

**EMSL Order:** 041708150  
**Customer ID:** LANC55  
**Customer PO:**  
**Project ID:**

**Attention:** Janine Eaby  
Eurofins Lancaster Laboratories, Inc.  
2425 New Holland Pike  
Lancaster, PA 17601  
**Phone:** (717) 656-2300  
**Fax:** (717) 656-2681  
**Received:** 03/24/2017 9:30 AM  
**Analysis Date:** 04/07/2017  
**Collected:** 03/17/2017  
**Project:** Group 1778224

## Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
C6-4-1 041708150-0001		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C6-4-5 041708150-0002		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C6-4-20 041708150-0003		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Garret Vliet (3)

Benjamin Ellis, Laboratory Manager  
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from: 04/07/2017 08:22:55



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041708150

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (856) 858-4800  
FAX: (856) 858-4960

Company : Eurofins Lancaster Laboratories Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 2425 New Holland Pike		Third Party Billing requires written authorization from third party	
City: Lancaster	State/Province: PA	Zip/Postal Code: 17601	Country: USA
Report To (Name): Janine Eaby		Fax #: 717-656-6766	
Telephone #: 656-2300 x1520		Email Address: JanineEaby@eurofinsUS.com	
Project Name/Number: Group 1778224			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: CA
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	
<b>PLM - Bulk (reporting limit)</b> <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water: EPA 100.2</b> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
		<b>Soil/Rock/Vermiculite</b> <input checked="" type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative)	
		<b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name: N/A		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
8890761	C6-4-1		03/17/2017 08:00
8890762	C6-4-5		03/17/2017 08:25
8890763	C6-4-20		03/17/2017 08:48
			RECEIVED EMSL CINNAMINSON, N.J. 2017 MAR 24 P 10:56
Client Sample # (s): 8890761 - 8890763		Total # of Samples: 56	
Relinquished (Client): <i>Janine Eaby</i>		Date: 3/23/17	Time: 1615
Received (Lab): <i>Bob</i>		Date: 3/24/17	Time: 930
Comments/Special Instructions: CA EDF Report required. Report multiple trials. Use client Id under Sample Description.			

3



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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## ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Report Date: April 17, 2017

**Project: City of Palo Alto: Lots C-6 & C-7**

Submittal Date: 03/18/2017  
Group Number: 1778236  
PO Number: 185703649.200.0003  
State of Sample Origin: CA

<u>Client Sample Description</u>	Lancaster Labs (LL) #
C6-1-1 Soil	8890784
C6-1-1-40 Composite Soil	8890787
C6-1-5 Soil	8890788
C6-1-10 Soil	8890792
C6-1-15 Soil	8890796
C6-1-20 Soil	8890800
C6-1-25 Soil	8890804
C6-1-30 Soil	8890808
C6-1-35 Soil	8890812
C6-1-40 Soil	8890816
C6-1-W Water	8890820
C7-3-1 Soil	8890821
C7-3-1-40 Composite Soil	8890824
C7-3-5 Soil	8890825
C7-3-20 Soil	8890829
C7-3-25 Soil	8890833
C7-3-30 Soil	8890837
C7-3-35 Soil	8890841
C7-3-40 Soil	8890845
C7-3-W Water	8890849
C7-4-1 Soil	8890850
C7-4-1-40 Composite Soil	8890853
C7-4-5 Soil	8890854
C7-4-9 Soil	8890858
C7-4-15 Soil	8890862
C7-4-30 Soil	8890866
C7-4-35 Soil	8890870
C7-4-40 Soil	8890874
C7-4-40 Soil	8890875
C7-4-W Water	8890878

REVISED

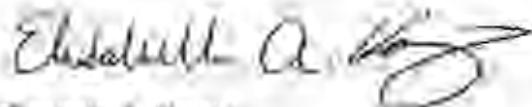
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Stantec

Attn: Madelaine Montilla

Respectfully Submitted,

  
Elizabeth A. Kinsley  
Project Manager

(717) 556-7262

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6701

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	12	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	51	130	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	12	1
10237	2-Hexanone	591-78-6	N.D.	3	12	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	12	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6701

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	6 J	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	39	1
10727	Anthracene	120-12-7	5 J	4	20	1
10727	Atrazine	1912-24-9	N.D.	39	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	13 J	4	20	1
10727	Benzo(a)pyrene	50-32-8	19 J	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	21	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	18 J	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	12 J	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	39	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	39	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	39	190	1
10727	Carbazole	86-74-8	N.D.	19	39	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	39	1
10727	4-Chloroaniline	106-47-8	N.D.	39	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	39	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	39	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	39	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	39	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	39	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	29	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	4 J	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	39	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	390	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	39	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	39	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	580	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	39	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	33	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	39	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	580	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6701

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	39	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	14 J	4	20	1
10727	Isophorone	78-59-1	N.D.	19	39	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	39	1
10727	4-Methylphenol	106-44-5	N.D.	19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	6 J	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	39	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	39	1
10727	2-Nitrophenol	88-75-5	N.D.	19	39	1
10727	4-Nitrophenol	100-02-7	N.D.	190	580	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	39	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	39	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	39	200	1
10727	Phenanthrene	85-01-8	48	4	20	1
10727	Phenol	108-95-2	34 J	19	39	1
10727	Pyrene	129-00-0	50	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	39	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	39	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.95	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.95	1
10738	Beta BHC	319-85-7	N.D.	0.34	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.95	1
10738	Alpha Chlordane	5103-71-9	0.75 J	0.19	0.95	1
10738	Gamma Chlordane	5103-74-2	0.54 J	0.19	0.95	1
10738	p,p-DDD	72-54-8	N.D.	2.2	2.2	1
10738	p,p-DDE	72-55-9	1.3 J	0.38	1.9	1
10738	p,p-DDT	50-29-3	1.3 J	0.40	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.51	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.95	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	1.9	1
10738	Endrin	72-20-8	N.D.	0.38	1.9	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6701

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.69	2.1	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.95	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.27	0.95	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.7	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
Reporting limits were raised due to interference from the sample matrix.						
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.2	20	1
10736	PCB-1221	11104-28-2	N.D.	5.3	20	1
10736	PCB-1232	11141-16-5	N.D.	9.2	20	1
10736	PCB-1242	53469-21-9	N.D.	3.8	20	1
10736	PCB-1248	12672-29-6	N.D.	3.8	20	1
10736	PCB-1254	11097-69-1	N.D.	3.8	20	1
10736	PCB-1260	11096-82-5	N.D.	5.7	20	1
10736	Total PCBs	1336-36-3	N.D.	3.8	20	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	44	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	44	4.6	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	N.D.	0.745	2.13	1
06935	Arsenic	7440-38-2	4.02	1.03	2.13	1
06946	Barium	7440-39-3	211	0.0351	0.532	1
06947	Beryllium	7440-41-7	0.589	0.0713	0.532	1
06949	Cadmium	7440-43-9	0.630	0.0522	0.532	1
06951	Chromium	7440-47-3	39.0	0.149	1.60	1
06952	Cobalt	7440-48-4	9.63	0.128	0.532	1
06953	Copper	7440-50-8	29.2	0.245	1.06	1
06955	Lead	7439-92-1	21.8	0.585	1.60	1
06960	Molybdenum	7439-98-7	0.666 J	0.181	1.06	1
06961	Nickel	7440-02-0	30.6	0.319	1.06	1
06936	Selenium	7782-49-2	1.17 J	0.958	2.13	1
06966	Silver	7440-22-4	N.D.	0.160	0.532	1
06925	Thallium	7440-28-0	1.75 J	0.873	3.19	1
06971	Vanadium	7440-62-2	51.9	0.149	0.532	1
06972	Zinc	7440-66-6	64.4	0.724	2.13	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0532 J	0.0116	0.116	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	13.8	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6701

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 04:12	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 10:45	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 15:20	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 23:37	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 19:01	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 21:03	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 12:58	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:20	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 12:58	Suzanne M Will	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890784  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6701

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:20	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:20	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:20	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	12:58	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:12	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8890787  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.136 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	N.D.	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170895705004	04/05/2017 07:31	Joanne M Gates	1.04
07055	Lead	SW-846 6010B	1	170895705004	04/05/2017 07:31	Joanne M Gates	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170895705004	04/04/2017 16:54	Barbara A Kane	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6702

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	2	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	130	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	2	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	2	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	N.D.	2	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6702

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6702

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.20	0.95	1
10738	Alpha BHC	319-84-6	N.D.	0.20	0.95	1
10738	Beta BHC	319-85-7	N.D.	0.35	1.2	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.20	0.95	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.20	0.95	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.20	0.95	1
10738	p,p-DDD	72-54-8	N.D.	0.38	2.0	1
10738	p,p-DDE	72-55-9	N.D.	0.38	2.0	1
10738	p,p-DDT	50-29-3	N.D.	0.40	2.0	1
10738	Delta BHC	319-86-8	N.D.	0.52	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	2.0	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.95	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	2.0	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	2.0	1
10738	Endrin	72-20-8	N.D.	0.38	2.0	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6702

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	2.0	1
10738	Endrin Ketone	53494-70-5	N.D.	0.69	2.1	1
10738	Heptachlor	76-44-8	N.D.	0.20	0.95	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.20	0.95	1
10738	Methoxychlor	72-43-5	N.D.	2.0	7.7	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.2	19	1
10736	PCB-1232	11141-16-5	N.D.	9.1	19	1
10736	PCB-1242	53469-21-9	N.D.	3.8	19	1
10736	PCB-1248	12672-29-6	N.D.	3.8	19	1
10736	PCB-1254	11097-69-1	N.D.	3.8	19	1
10736	PCB-1260	11096-82-5	N.D.	5.6	19	1
10736	Total PCBs	1336-36-3	N.D.	3.8	19	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	N.D.	0.722	2.06	1
06935	Arsenic	7440-38-2	6.93	1.00	2.06	1
06946	Barium	7440-39-3	447	0.0340	0.516	1
06947	Beryllium	7440-41-7	0.832	0.0691	0.516	1
06949	Cadmium	7440-43-9	0.864	0.0505	0.516	1
06951	Chromium	7440-47-3	68.3	0.144	1.55	1
06952	Cobalt	7440-48-4	9.06	0.124	0.516	1
06953	Copper	7440-50-8	25.8	0.237	1.03	1
06955	Lead	7439-92-1	8.01	0.567	1.55	1
06960	Molybdenum	7439-98-7	1.15	0.175	1.03	1
06961	Nickel	7440-02-0	55.7	0.309	1.03	1
06936	Selenium	7782-49-2	N.D.	0.928	2.06	1
06966	Silver	7440-22-4	N.D.	0.155	0.516	1
06925	Thallium	7440-28-0	1.26 J	0.845	3.09	1
06971	Vanadium	7440-62-2	69.7	0.144	0.516	1
06972	Zinc	7440-66-6	67.2	0.701	2.06	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0431 J	0.0107	0.107	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	13.4	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6702

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 04:34	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 11:01	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 15:39	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/30/2017 23:50	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 19:35	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 11:14	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 13:01	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:24	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 13:01	Suzanne M Will	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890788  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6702

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:24	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:24	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:24	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/31/2017	13:01	Suzanne M Will	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:14	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890792  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6703

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	4	11	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	49	120	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	11	1
10237	2-Hexanone	591-78-6	N.D.	3	11	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	3	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890792  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6703

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	180	1
10727	Benzaldehyde	100-52-7	N.D.	74	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	74	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	74	180	1
10727	Caprolactam	105-60-2	N.D.	37	180	1
10727	Carbazole	86-74-8	N.D.	18	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	74	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	36	1
10727	2-Chlorophenol	95-57-8	N.D.	18	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	37	1
10727	Diethylphthalate	84-66-2	N.D.	74	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	37	1
10727	Dimethylphthalate	131-11-3	N.D.	74	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	74	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	74	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890792  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6703

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	37	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	18	37	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	18	37	1
10727	4-Methylphenol	106-44-5	N.D.	18	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	18	37	1
10727	3-Nitroaniline	99-09-2	N.D.	74	180	1
10727	4-Nitroaniline	100-01-6	N.D.	74	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	37	1
10727	2-Nitrophenol	88-75-5	N.D.	18	37	1
10727	4-Nitrophenol	100-02-7	N.D.	180	550	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	74	180	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	18	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	37	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	0.916 J	0.670	1.91	1
06935	Arsenic	7440-38-2	7.24	0.928	1.91	1
06946	Barium	7440-39-3	112	0.0316	0.479	1
06947	Beryllium	7440-41-7	0.810	0.0641	0.479	1
06949	Cadmium	7440-43-9	1.04	0.0469	0.479	1
06951	Chromium	7440-47-3	52.8	0.134	1.44	1
06952	Cobalt	7440-48-4	11.3	0.115	0.479	1
06953	Copper	7440-50-8	32.3	0.220	0.957	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890792  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6703

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06955	Lead	7439-92-1	9.22	0.526	1.44	1
06960	Molybdenum	7439-98-7	1.97	0.163	0.957	1
06961	Nickel	7440-02-0	46.2	0.287	0.957	1
06936	Selenium	7782-49-2	N.D.	0.861	1.91	1
06966	Silver	7440-22-4	N.D.	0.144	0.479	1
06925	Thallium	7440-28-0	1.99 J	0.785	2.87	1
06971	Vanadium	7440-62-2	70.5	0.134	0.479	1
06972	Zinc	7440-66-6	86.2	0.651	1.91	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0284 J	0.0112	0.112	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	10.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 04:57	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:10	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 15:58	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 11:36	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:34	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:34	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:34	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:34	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:34	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-10 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890792  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6703

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017	13:05	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	13:05	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:34	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:17	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6704

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	12	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	51	130	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	12	1
10237	2-Hexanone	591-78-6	N.D.	3	12	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	12	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	2	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6704

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	580	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	580	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6704

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	580	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.20	0.96	1
10738	Alpha BHC	319-84-6	N.D.	0.20	0.96	1
10738	Beta BHC	319-85-7	N.D.	0.35	1.2	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.20	0.96	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.20	0.96	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.20	0.96	1
10738	p,p-DDD	72-54-8	N.D.	0.38	2.0	1
10738	p,p-DDE	72-55-9	N.D.	0.38	2.0	1
10738	p,p-DDT	50-29-3	N.D.	0.40	2.0	1
10738	Delta BHC	319-86-8	N.D.	0.52	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	2.0	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.96	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	2.0	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	2.0	1
10738	Endrin	72-20-8	N.D.	0.38	2.0	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6704

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	2.0	1
10738	Endrin Ketone	53494-70-5	N.D.	0.69	2.1	1
10738	Heptachlor	76-44-8	N.D.	0.20	0.96	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.20	0.96	1
10738	Methoxychlor	72-43-5	N.D.	2.0	7.7	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.3	19	1
10736	PCB-1232	11141-16-5	N.D.	9.1	19	1
10736	PCB-1242	53469-21-9	N.D.	3.8	19	1
10736	PCB-1248	12672-29-6	N.D.	3.8	19	1
10736	PCB-1254	11097-69-1	N.D.	3.8	19	1
10736	PCB-1260	11096-82-5	N.D.	5.6	19	1
10736	Total PCBs	1336-36-3	N.D.	3.8	19	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	0.811 J	0.759	2.17	1
06935	Arsenic	7440-38-2	7.25	1.05	2.17	1
06946	Barium	7440-39-3	93.9	0.0358	0.542	1
06947	Beryllium	7440-41-7	0.836	0.0726	0.542	1
06949	Cadmium	7440-43-9	1.34	0.0531	0.542	1
06951	Chromium	7440-47-3	65.1	0.152	1.63	1
06952	Cobalt	7440-48-4	12.1	0.130	0.542	1
06953	Copper	7440-50-8	30.4	0.249	1.08	1
06955	Lead	7439-92-1	8.73	0.596	1.63	1
06960	Molybdenum	7439-98-7	2.73	0.184	1.08	1
06961	Nickel	7440-02-0	65.8	0.325	1.08	1
06936	Selenium	7782-49-2	N.D.	0.976	2.17	1
06966	Silver	7440-22-4	N.D.	0.163	0.542	1
06925	Thallium	7440-28-0	1.40 J	0.889	3.25	1
06971	Vanadium	7440-62-2	69.0	0.152	0.542	1
06972	Zinc	7440-66-6	82.1	0.737	2.17	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0163 J	0.0114	0.114	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	13.8	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6704

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 05:19	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 11:13	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 10:31	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLC026	03/23/2017 16:36	Linda M Hartenstine	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLC026	03/22/2017 17:15	Elizabeth E Donovan	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 00:04	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170790038A	03/22/2017 19:46	Jessica L Miller	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170790038A	03/21/2017 08:00	Michelle A Newswanger	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 11:57	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 13:08	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:38	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 13:08	Suzanne M Will	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890796  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:30 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6704

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:38	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:38	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:38	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:38	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:19	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890800  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6705

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	2	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	11	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	2	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	2	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	2	11	0.99
10237	2-Hexanone	591-78-6	N.D.	3	11	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	4	2	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	9	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890800  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6705

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890800  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6705

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.5	14	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.655	1.87	1
06935	Arsenic	7440-38-2	5.45	0.908	1.87	1
06946	Barium	7440-39-3	131	0.0309	0.468	1
06947	Beryllium	7440-41-7	0.444 J	0.0627	0.468	1
06949	Cadmium	7440-43-9	0.997	0.0458	0.468	1
06951	Chromium	7440-47-3	52.5	0.131	1.40	1
06952	Cobalt	7440-48-4	9.86	0.112	0.468	1
06953	Copper	7440-50-8	21.4	0.215	0.936	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890800  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6705

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06955	Lead	7439-92-1	4.58	0.515	1.40	1
06960	Molybdenum	7439-98-7	1.80	0.159	0.936	1
06961	Nickel	7440-02-0	48.6	0.281	0.936	1
06936	Selenium	7782-49-2	1.24 J	0.842	1.87	1
06966	Silver	7440-22-4	N.D.	0.140	0.468	1
06925	Thallium	7440-28-0	1.61 J	0.767	2.81	1
06971	Vanadium	7440-62-2	51.4	0.131	0.468	1
06972	Zinc	7440-66-6	56.3	0.636	1.87	1
<b>SW-846 7471A</b>						
			<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0252 J	0.0114	0.114	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	12.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 05:42	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:52	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:38	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 21:30	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 12:18	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:41	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890800  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6705

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017	13:36	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	13:36	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:41	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:27	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6706

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	2	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	12	0.99
10237	C6-C10-TPH-GRO	n.a.	210	51	130	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	2	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	2	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	2	12	0.99
10237	2-Hexanone	591-78-6	N.D.	3	12	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	12	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	3	2	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6706

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	580	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	580	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6706

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	580	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.95	1
10738	Alpha BHC	319-84-6	0.23 J	0.19	0.95	1
10738	Beta BHC	319-85-7	1.5	0.34	1.1	1
10738	Gamma BHC - Lindane	58-89-9	0.46 J	0.19	0.95	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.95	1
10738	Gamma Chlordane	5103-74-2	0.30 J	0.19	0.95	1
10738	p,p-DDD	72-54-8	N.D.	0.38	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.38	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.40	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.51	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.95	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	1.9	1
10738	Endrin	72-20-8	N.D.	0.38	1.9	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6706

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.69	2.1	1
10738	Heptachlor	76-44-8	N.D.	0.50	0.95	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.95	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.7	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.2	20	1
10736	PCB-1221	11104-28-2	N.D.	5.3	20	1
10736	PCB-1232	11141-16-5	N.D.	9.2	20	1
10736	PCB-1242	53469-21-9	N.D.	3.8	20	1
10736	PCB-1248	12672-29-6	N.D.	3.8	20	1
10736	PCB-1254	11097-69-1	N.D.	3.8	20	1
10736	PCB-1260	11096-82-5	N.D.	5.6	20	1
10736	Total PCBs	1336-36-3	N.D.	3.8	20	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	N.D.	0.678	1.94	1
06935	Arsenic	7440-38-2	5.19	0.940	1.94	1
06946	Barium	7440-39-3	158	0.0320	0.484	1
06947	Beryllium	7440-41-7	0.609	0.0649	0.484	1
06949	Cadmium	7440-43-9	1.33	0.0475	0.484	1
06951	Chromium	7440-47-3	53.8	0.136	1.45	1
06952	Cobalt	7440-48-4	5.70	0.116	0.484	1
06953	Copper	7440-50-8	29.1	0.223	0.969	1
06955	Lead	7439-92-1	5.04	0.533	1.45	1
06960	Molybdenum	7439-98-7	2.06	0.165	0.969	1
06961	Nickel	7440-02-0	46.2	0.291	0.969	1
06936	Selenium	7782-49-2	1.52 J	0.872	1.94	1
06966	Silver	7440-22-4	N.D.	0.145	0.484	1
06925	Thallium	7440-28-0	1.10 J	0.795	2.91	1
06971	Vanadium	7440-62-2	53.3	0.136	0.484	1
06972	Zinc	7440-66-6	63.8	0.659	1.94	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0480 J	0.0113	0.113	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	14.0	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6706

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 06:05	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:42	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 21:56	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 00:17	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/25/2017 23:03	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800031A	03/28/2017 12:20	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800031A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017 13:22	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017 13:22	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017 14:45	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890804  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:44 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6706

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:45	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:45	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:29	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890808  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:50 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6707

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	26	0.99
10237	Benzene	71-43-2	N.D.	0.7	7	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	7	0.99
10237	Bromoform	75-25-2	N.D.	1	7	0.99
10237	Bromomethane	74-83-9	N.D.	3	7	0.99
10237	2-Butanone	78-93-3	N.D.	5	13	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	57	140	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	7	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	7	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	7	0.99
10237	Chloroethane	75-00-3	N.D.	3	7	0.99
10237	Chloroform	67-66-3	N.D.	1	7	0.99
10237	Chloromethane	74-87-3	N.D.	3	7	0.99
10237	Cyclohexane	110-82-7	N.D.	1	7	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	7	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	7	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	7	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	7	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	7	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	7	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	7	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	7	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	7	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	7	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	7	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	7	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	7	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	7	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	7	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	7	0.99
10237	Freon 113	76-13-1	N.D.	3	13	0.99
10237	2-Hexanone	591-78-6	N.D.	4	13	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	7	0.99
10237	Methyl Acetate	79-20-9	N.D.	3	7	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.7	7	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	7	0.99
10237	Methylene Chloride	75-09-2	6 J	3	7	0.99
10237	Styrene	100-42-5	N.D.	1	7	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	7	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	7	0.99
10237	Toluene	108-88-3	N.D.	1	7	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	7	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	7	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	7	0.99
10237	Trichloroethene	79-01-6	N.D.	1	7	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	3	7	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	7	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	7	0.99

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890808  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:50 by SS

Stantec  
15575 Los Gatos Boulevard

Submitted: 03/18/2017 10:10

Building C

Reported: 04/17/2017 16:38

Los Gatos CA 95032

C6707

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	22	43	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	43	220	1
10727	Benzaldehyde	100-52-7	N.D.	87	220	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	22	43	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	22	43	1
10727	Butylbenzylphthalate	85-68-7	N.D.	87	220	1
10727	Di-n-butylphthalate	84-74-2	N.D.	87	220	1
10727	Caprolactam	105-60-2	N.D.	43	220	1
10727	Carbazole	86-74-8	N.D.	22	43	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	22	43	1
10727	4-Chloroaniline	106-47-8	N.D.	43	87	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	22	43	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	22	43	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	43	1
10727	2-Chlorophenol	95-57-8	N.D.	22	43	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	22	43	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	22	43	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	22	43	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	430	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	22	43	1
10727	Diethylphthalate	84-66-2	N.D.	87	220	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	22	43	1
10727	Dimethylphthalate	131-11-3	N.D.	87	220	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	220	650	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	87	220	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	22	43	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	87	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	22	43	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	220	650	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890808  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:50 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6707

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	43	220	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	22	43	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	22	43	1
10727	4-Methylphenol	106-44-5	N.D.	22	43	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	4 J	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	22	43	1
10727	3-Nitroaniline	99-09-2	N.D.	87	220	1
10727	4-Nitroaniline	100-01-6	N.D.	87	220	1
10727	Nitrobenzene	98-95-3	N.D.	22	43	1
10727	2-Nitrophenol	88-75-5	N.D.	22	43	1
10727	4-Nitrophenol	100-02-7	N.D.	220	650	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	22	43	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	22	43	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	87	220	1
10727	Pentachlorophenol	87-86-5	N.D.	43	220	1
10727	Phenanthrene	85-01-8	N.D.	4	22	1
10727	Phenol	108-95-2	N.D.	22	43	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	22	43	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	22	43	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.2	16	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.2	16	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.2	16	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.722	2.06	1
06935	Arsenic	7440-38-2	8.87	1.00	2.06	1
06946	Barium	7440-39-3	213	0.0341	0.516	1
06947	Beryllium	7440-41-7	0.783	0.0691	0.516	1
06949	Cadmium	7440-43-9	1.31	0.0506	0.516	1
06951	Chromium	7440-47-3	48.1	0.144	1.55	1
06952	Cobalt	7440-48-4	9.46	0.124	0.516	1
06953	Copper	7440-50-8	28.3	0.237	1.03	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890808  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:50 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6707

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06955	Lead	7439-92-1	7.91	0.568	1.55	1
06960	Molybdenum	7439-98-7	2.06	0.175	1.03	1
06961	Nickel	7440-02-0	42.6	0.310	1.03	1
06936	Selenium	7782-49-2	1.16 J	0.929	2.06	1
06966	Silver	7440-22-4	N.D.	0.155	0.516	1
06925	Thallium	7440-28-0	1.77 J	0.846	3.10	1
06971	Vanadium	7440-62-2	63.0	0.144	0.516	1
06972	Zinc	7440-66-6	87.9	0.702	2.06	1
<b>SW-846 7471A</b>						
			<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0413 J	0.0121	0.121	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	23.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 06:27	Stephen C Nolte	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 13:41	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 22:21	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800031A	03/28/2017 12:41	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800031A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:48	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890808  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:50 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6707

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017	13:26	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	13:26	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:48	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:32	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890812  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6708

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	24	1.02
10237	Benzene	71-43-2	N.D.	0.6	6	1.02
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1.02
10237	Bromoform	75-25-2	N.D.	1	6	1.02
10237	Bromomethane	74-83-9	N.D.	2	6	1.02
10237	2-Butanone	78-93-3	N.D.	5	12	1.02
10237	C6-C10-TPH-GRO	n.a.	N.D.	53	130	1.02
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1.02
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1.02
10237	Chlorobenzene	108-90-7	N.D.	1	6	1.02
10237	Chloroethane	75-00-3	N.D.	2	6	1.02
10237	Chloroform	67-66-3	N.D.	1	6	1.02
10237	Chloromethane	74-87-3	N.D.	2	6	1.02
10237	Cyclohexane	110-82-7	N.D.	1	6	1.02
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1.02
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1.02
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1.02
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1.02
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1.02
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1.02
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1.02
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1.02
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1.02
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1.02
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1.02
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1.02
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1.02
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1.02
10237	Ethylbenzene	100-41-4	N.D.	1	6	1.02
10237	Freon 113	76-13-1	N.D.	2	12	1.02
10237	2-Hexanone	591-78-6	N.D.	4	12	1.02
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1.02
10237	Methyl Acetate	79-20-9	N.D.	2	6	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1.02
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1.02
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1.02
10237	Methylene Chloride	75-09-2	2	2	6	1.02
10237	Styrene	100-42-5	N.D.	1	6	1.02
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1.02
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1.02
10237	Toluene	108-88-3	N.D.	1	6	1.02
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1.02
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1.02
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1.02
10237	Trichloroethene	79-01-6	N.D.	1	6	1.02
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1.02
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1.02
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1.02

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890812  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6708

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	39	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	39	190	1
10727	Benzaldehyde	100-52-7	N.D.	78	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	39	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	39	1
10727	Butylbenzylphthalate	85-68-7	N.D.	78	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	78	190	1
10727	Caprolactam	105-60-2	N.D.	39	190	1
10727	Carbazole	86-74-8	N.D.	19	39	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	39	1
10727	4-Chloroaniline	106-47-8	N.D.	39	78	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	39	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	39	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	39	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	39	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	39	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	39	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	390	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	39	1
10727	Diethylphthalate	84-66-2	N.D.	78	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	39	1
10727	Dimethylphthalate	131-11-3	N.D.	78	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	580	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	350	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	78	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	39	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	78	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	39	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	580	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890812  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6708

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	39	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	39	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	39	1
10727	4-Methylphenol	106-44-5	N.D.	19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	7 J	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	39	1
10727	3-Nitroaniline	99-09-2	N.D.	78	190	1
10727	4-Nitroaniline	100-01-6	N.D.	78	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	39	1
10727	2-Nitrophenol	88-75-5	N.D.	19	39	1
10727	4-Nitrophenol	100-02-7	N.D.	190	580	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	39	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	39	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	78	190	1
10727	Pentachlorophenol	87-86-5	N.D.	39	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	39	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	39	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	39	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.7	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.7	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.7	14	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.616	1.76	1
06935	Arsenic	7440-38-2	7.11	0.853	1.76	1
06946	Barium	7440-39-3	233	0.0290	0.440	1
06947	Beryllium	7440-41-7	0.600	0.0589	0.440	1
06949	Cadmium	7440-43-9	0.857	0.0431	0.440	1
06951	Chromium	7440-47-3	42.3	0.123	1.32	1
06952	Cobalt	7440-48-4	7.58	0.106	0.440	1
06953	Copper	7440-50-8	24.1	0.202	0.879	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890812  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6708

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06955	Lead	7439-92-1	6.31	0.484	1.32	1
06960	Molybdenum	7439-98-7	2.81	0.149	0.879	1
06961	Nickel	7440-02-0	35.3	0.264	0.879	1
06936	Selenium	7782-49-2	N.D.	0.791	1.76	1
06966	Silver	7440-22-4	N.D.	0.132	0.440	1
06925	Thallium	7440-28-0	1.38 J	0.721	2.64	1
06971	Vanadium	7440-62-2	51.4	0.123	0.440	1
06972	Zinc	7440-66-6	65.3	0.598	1.76	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0312 J	0.0115	0.115	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	14.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 06:50	Stephen C Nolte	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:33	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 22:46	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800031A	03/28/2017 13:03	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800031A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:52	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890812  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6708

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017	13:29	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	13:29	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:52	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:34	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C6-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890816  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6709

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	24	0.97
10237	Benzene	71-43-2	N.D.	0.6	6	0.97
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.97
10237	Bromoform	75-25-2	N.D.	1	6	0.97
10237	Bromomethane	74-83-9	N.D.	2	6	0.97
10237	2-Butanone	78-93-3	N.D.	5	12	0.97
10237	C6-C10-TPH-GRO	n.a.	N.D.	53	130	0.97
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.97
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.97
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.97
10237	Chloroethane	75-00-3	N.D.	2	6	0.97
10237	Chloroform	67-66-3	N.D.	1	6	0.97
10237	Chloromethane	74-87-3	N.D.	2	6	0.97
10237	Cyclohexane	110-82-7	N.D.	1	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.97
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.97
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.97
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.97
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.97
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.97
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.97
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.97
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.97
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.97
10237	Freon 113	76-13-1	N.D.	2	12	0.97
10237	2-Hexanone	591-78-6	N.D.	4	12	0.97
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.97
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	0.97
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.97
10237	Methylene Chloride	75-09-2	5	2	6	0.97
10237	Styrene	100-42-5	N.D.	1	6	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.97
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.97
10237	Toluene	108-88-3	N.D.	1	6	0.97
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.97
10237	Trichloroethene	79-01-6	N.D.	1	6	0.97
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.97
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.97
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.97

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890816  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:00 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6709

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846</b>	<b>8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	20	41	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	41	200	1
10727	Benzaldehyde	100-52-7	N.D.	82	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	41	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	41	1
10727	Butylbenzylphthalate	85-68-7	N.D.	82	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	82	200	1
10727	Caprolactam	105-60-2	N.D.	41	200	1
10727	Carbazole	86-74-8	N.D.	20	41	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	41	1
10727	4-Chloroaniline	106-47-8	N.D.	41	82	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	41	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	41	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	41	1
10727	2-Chlorophenol	95-57-8	N.D.	20	41	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	41	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	41	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	20	41	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	410	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	41	1
10727	Diethylphthalate	84-66-2	N.D.	82	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	41	1
10727	Dimethylphthalate	131-11-3	N.D.	82	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	610	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	370	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	82	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	41	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	82	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	41	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	610	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C6-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890816  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6709

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	41	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	20	41	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	20	41	1
10727	4-Methylphenol	106-44-5	N.D.	20	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	20	41	1
10727	3-Nitroaniline	99-09-2	N.D.	82	200	1
10727	4-Nitroaniline	100-01-6	N.D.	82	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	41	1
10727	2-Nitrophenol	88-75-5	N.D.	20	41	1
10727	4-Nitrophenol	100-02-7	N.D.	200	610	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	41	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	41	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	82	200	1
10727	Pentachlorophenol	87-86-5	N.D.	41	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	N.D.	20	41	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	41	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	41	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.9	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.9	15	1
<b>Metals</b>	<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	N.D.	0.646	1.84	1
06935	Arsenic	7440-38-2	4.06	0.895	1.84	1
06946	Barium	7440-39-3	296	0.0304	0.461	1
06947	Beryllium	7440-41-7	0.633	0.0618	0.461	1
06949	Cadmium	7440-43-9	1.08	0.0452	0.461	1
06951	Chromium	7440-47-3	45.1	0.129	1.38	1
06952	Cobalt	7440-48-4	9.76	0.111	0.461	1
06953	Copper	7440-50-8	26.4	0.212	0.922	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890816  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6709

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06955	Lead	7439-92-1	6.92	0.507	1.38	1
06960	Molybdenum	7439-98-7	1.42	0.157	0.922	1
06961	Nickel	7440-02-0	40.2	0.277	0.922	1
06936	Selenium	7782-49-2	1.70 J	0.830	1.84	1
06966	Silver	7440-22-4	N.D.	0.138	0.461	1
06925	Thallium	7440-28-0	1.24 J	0.756	2.77	1
06971	Vanadium	7440-62-2	51.8	0.129	0.461	1
06972	Zinc	7440-66-6	73.0	0.627	1.84	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0349 J	0.0121	0.121	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	19.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 07:12	Stephen C Nolte	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:36	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 23:12	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170800031A	03/28/2017 13:24	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170800031A	03/22/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06935	Arsenic	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06946	Barium	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06947	Beryllium	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06949	Cadmium	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06951	Chromium	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1
06952	Cobalt	SW-846 6010B	1	170815708004	03/28/2017 14:55	Cindy M Gehman	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890816  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:00 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6709

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06953	Copper	SW-846 6010B	1	170815708004	03/31/2017	13:33	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06960	Molybdenum	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06961	Nickel	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06936	Selenium	SW-846 6010B	1	170815708004	03/31/2017	13:33	Suzanne M Will	1
06966	Silver	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06925	Thallium	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06971	Vanadium	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
06972	Zinc	SW-846 6010B	1	170815708004	03/28/2017	14:55	Cindy M Gehman	1
00159	Mercury	SW-846 7471A	1	170815711002	03/24/2017	07:37	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170815708004	03/22/2017	16:05	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170815711002	03/22/2017	18:50	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890820  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6710

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	7 J	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C6-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890820  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6710

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	N.D.	46	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	75 J	46	100	1
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the sample surrogate is compliant. Both trials are reported.						
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	0.0121 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.249	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00060 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0063	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.0904	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0088 J	0.0028	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	N.D.	0.0016	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

**Sample Comments**

CA ELAP Lab Certification No. 2792  
CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170861AA	03/27/2017 14:46	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170861AA	03/27/2017 14:46	Nicole S Lamoreaux	1

\*=This limit was used in the evaluation of the final result

Sample Description: C6-1-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890820  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 15:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6710

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170790047A	03/30/2017 22:35	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170790047A	03/21/2017 08:00	Osvaldo Sanchez	1
07044	Antimony	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010B	1	170861848001	03/30/2017 19:15	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07060	Molybdenum	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010B	1	170861848001	03/28/2017 19:54	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	170865713002	03/28/2017 06:51	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170861848001	03/27/2017 16:40	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170865713002	03/27/2017 17:45	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	44	8	23	0.98
10237	Benzene	71-43-2	N.D.	0.6	6	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.98
10237	Bromoform	75-25-2	N.D.	1	6	0.98
10237	Bromomethane	74-83-9	N.D.	2	6	0.98
10237	2-Butanone	78-93-3	N.D.	5	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.98
10237	Chloroethane	75-00-3	N.D.	2	6	0.98
10237	Chloroform	67-66-3	N.D.	1	6	0.98
10237	Chloromethane	74-87-3	N.D.	2	6	0.98
10237	Cyclohexane	110-82-7	N.D.	1	6	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.98
10237	Methylene Chloride	75-09-2	3	2	6	0.98
10237	Styrene	100-42-5	N.D.	1	6	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.98
10237	Toluene	108-88-3	N.D.	1	6	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.98
10237	Trichloroethene	79-01-6	N.D.	1	6	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.98

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	77	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	77	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	77	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	77	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	38	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	77	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	77	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	77	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	77	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	19	38	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	77	190	1
10727	4-Nitroaniline	100-01-6	N.D.	77	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	77	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.20	0.96	1
10738	Alpha BHC	319-84-6	N.D.	0.20	0.96	1
10738	Beta BHC	319-85-7	N.D.	0.35	1.2	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.20	0.96	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.20	0.96	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.20	0.96	1
10738	p,p-DDD	72-54-8	N.D.	0.38	2.0	1
10738	p,p-DDE	72-55-9	0.65 J	0.38	2.0	1
10738	p,p-DDT	50-29-3	0.54 J	0.40	2.0	1
10738	Delta BHC	319-86-8	N.D.	0.52	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.38	2.0	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.96	1
10738	Endosulfan II	33213-65-9	N.D.	0.38	2.0	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.38	2.0	1
10738	Endrin	72-20-8	N.D.	0.38	2.0	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.38	2.0	1
10738	Endrin Ketone	53494-70-5	N.D.	0.69	2.1	1
10738	Heptachlor	76-44-8	N.D.	0.20	0.96	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.20	0.96	1
10738	Methoxychlor	72-43-5	N.D.	2.0	7.7	1
10738	Toxaphene	8001-35-2	N.D.	16	38	1
<b>Pesticides/PCBs SW-846 8082</b>						
10736	PCB-1016	12674-11-2	N.D.	4.2	20	1
10736	PCB-1221	11104-28-2	N.D.	5.3	20	1
10736	PCB-1232	11141-16-5	N.D.	9.3	20	1
10736	PCB-1242	53469-21-9	N.D.	3.8	20	1
10736	PCB-1248	12672-29-6	N.D.	3.8	20	1
10736	PCB-1254	11097-69-1	N.D.	3.8	20	1
10736	PCB-1260	11096-82-5	N.D.	5.7	20	1
10736	Total PCBs	1336-36-3	N.D.	3.8	20	1
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	44	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	44	4.6	14	1
<b>Metals SW-846 6010B</b>						
06944	Antimony	7440-36-0	1.04 J	0.546	1.56	1
06935	Arsenic	7440-38-2	2.92	0.756	1.56	1
06946	Barium	7440-39-3	192	0.0257	0.390	1
06947	Beryllium	7440-41-7	0.499	0.0522	0.390	1
06949	Cadmium	7440-43-9	0.421	0.0382	0.390	1
06951	Chromium	7440-47-3	49.1	0.109	1.17	1
06952	Cobalt	7440-48-4	9.99	0.0935	0.390	1
06953	Copper	7440-50-8	20.2	0.179	0.779	1
06955	Lead	7439-92-1	8.07	0.429	1.17	1
06960	Molybdenum	7439-98-7	0.854	0.133	0.779	1
06961	Nickel	7440-02-0	33.0	0.234	0.779	1
06936	Selenium	7782-49-2	2.69	0.702	1.56	1
06966	Silver	7440-22-4	0.384 J	0.117	0.390	1
06925	Thallium	7440-28-0	9.91	0.639	2.34	1
06971	Vanadium	7440-62-2	54.8	0.109	0.390	1
06972	Zinc	7440-66-6	73.3	0.530	1.56	1
<b>SW-846 7471A</b>						
00159	Mercury	7439-97-6	N.D.	0.0107	0.107	1
<b>Wet Chemistry SM 2540 G-1997</b>						
00111	Moisture	n.a.	13.9	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6711

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 07:35	Stephen C Nolte	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:31	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/23/2017 23:37	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 00:30	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/25/2017 23:37	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 21:25	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890821  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6711

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:06	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:11	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004A	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8890824  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.213 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	N.D.	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170955705003	04/07/2017 19:34	Cindy M Gehman	1.04
07055	Lead	SW-846 6010B	1	170955705003	04/07/2017 19:34	Cindy M Gehman	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170955705003	04/05/2017 23:00	Annamaria Kuhns	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6712

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	4	11	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	49	120	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	11	1
10237	2-Hexanone	591-78-6	N.D.	3	11	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	3	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

The LCS and/or LCSD recoveries are outside the stated QC window but within

\*=This limit was used in the evaluation of the final result



Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6712

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: trichloroethene.						
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	190	1
10727	Benzaldehyde	100-52-7	N.D.	74	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	74	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	74	190	1
10727	Caprolactam	105-60-2	N.D.	37	190	1
10727	Carbazole	86-74-8	N.D.	19	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	74	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	37	1
10727	Diethylphthalate	84-66-2	N.D.	74	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	37	1
10727	Dimethylphthalate	131-11-3	N.D.	74	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	74	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	74	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6712

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Hexachloroethane	67-72-1	N.D.	37	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	37	1
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	37	1
10727	4-Methylphenol	106-44-5	N.D.	19	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	37	1
10727	3-Nitroaniline	99-09-2	N.D.	74	190	1
10727	4-Nitroaniline	100-01-6	N.D.	74	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	37	1
10727	2-Nitrophenol	88-75-5	N.D.	19	37	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	74	190	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	37	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance: Hexachlorocyclopentadiene						
<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>		<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10738	Aldrin	309-00-2	N.D.	0.19	0.92	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.92	1
10738	Beta BHC	319-85-7	N.D.	0.33	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.92	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.92	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.92	1
10738	p,p-DDD	72-54-8	N.D.	0.37	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.37	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.39	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.50	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.37	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.24	0.92	1
10738	Endosulfan II	33213-65-9	N.D.	0.37	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.37	1.9	1
10738	Endrin	72-20-8	N.D.	0.37	1.9	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6712

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Aldehyde	7421-93-4	N.D.	0.37	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.66	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.92	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.92	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.4	1
10738	Toxaphene	8001-35-2	N.D.	16	37	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.0	19	1
10736	PCB-1221	11104-28-2	N.D.	5.1	19	1
10736	PCB-1232	11141-16-5	N.D.	8.9	19	1
10736	PCB-1242	53469-21-9	N.D.	3.7	19	1
10736	PCB-1248	12672-29-6	N.D.	3.7	19	1
10736	PCB-1254	11097-69-1	N.D.	3.7	19	1
10736	PCB-1260	11096-82-5	N.D.	5.5	19	1
10736	Total PCBs	1336-36-3	N.D.	3.7	19	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	1.31 J	0.593	1.69	1
06935	Arsenic	7440-38-2	6.00	0.822	1.69	1
06946	Barium	7440-39-3	257	0.0280	0.424	1
06947	Beryllium	7440-41-7	0.658	0.0568	0.424	1
06949	Cadmium	7440-43-9	0.300 J	0.0415	0.424	1
06951	Chromium	7440-47-3	80.2	0.119	1.27	1
06952	Cobalt	7440-48-4	11.7	0.102	0.424	1
06953	Copper	7440-50-8	26.5	0.195	0.847	1
06955	Lead	7439-92-1	7.35	0.466	1.27	1
06960	Molybdenum	7439-98-7	2.50	0.144	0.847	1
06961	Nickel	7440-02-0	61.7	0.254	0.847	1
06936	Selenium	7782-49-2	3.91	0.763	1.69	1
06966	Silver	7440-22-4	0.556	0.127	0.424	1
06925	Thallium	7440-28-0	12.4	0.695	2.54	1
06971	Vanadium	7440-62-2	82.5	0.119	0.424	1
06972	Zinc	7440-66-6	69.7	0.576	1.69	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0601 J	0.0107	0.107	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	10.6	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6712

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170812AA	03/23/2017 07:58	Stephen C Nolte	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:27	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 00:02	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 00:44	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/25/2017 23:48	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 12:40	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890825  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6712

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:10	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:14	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6713

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	10	27	1
10237	Benzene	71-43-2	N.D.	0.7	7	1
10237	Bromodichloromethane	75-27-4	N.D.	1	7	1
10237	Bromoform	75-25-2	N.D.	1	7	1
10237	Bromomethane	74-83-9	N.D.	3	7	1
10237	2-Butanone	78-93-3	N.D.	5	14	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	60	150	1
10237	Carbon Disulfide	75-15-0	N.D.	1	7	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	7	1
10237	Chlorobenzene	108-90-7	N.D.	1	7	1
10237	Chloroethane	75-00-3	N.D.	3	7	1
10237	Chloroform	67-66-3	N.D.	1	7	1
10237	Chloromethane	74-87-3	N.D.	3	7	1
10237	Cyclohexane	110-82-7	N.D.	1	7	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	7	1
10237	Dibromochloromethane	124-48-1	N.D.	1	7	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	7	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	7	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	7	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	7	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	7	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	7	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	7	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	7	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	7	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	7	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	7	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	7	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	7	1
10237	Ethylbenzene	100-41-4	N.D.	1	7	1
10237	Freon 113	76-13-1	N.D.	3	14	1
10237	2-Hexanone	591-78-6	N.D.	4	14	1
10237	Isopropylbenzene	98-82-8	N.D.	1	7	1
10237	Methyl Acetate	79-20-9	N.D.	3	7	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.7	7	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	14	1
10237	Methylcyclohexane	108-87-2	N.D.	1	7	1
10237	Methylene Chloride	75-09-2	4	3	7	1
10237	Styrene	100-42-5	N.D.	1	7	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	7	1
10237	Tetrachloroethene	127-18-4	N.D.	1	7	1
10237	Toluene	108-88-3	N.D.	1	7	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	7	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	7	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	7	1
10237	Trichloroethene	79-01-6	N.D.	1	7	1
10237	Trichlorofluoromethane	75-69-4	N.D.	3	7	1
10237	Vinyl Chloride	75-01-4	N.D.	1	7	1
10237	Xylene (Total)	1330-20-7	N.D.	1	7	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6713

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	23	1
10727	Acenaphthylene	208-96-8	N.D.	4	23	1
10727	Acetophenone	98-86-2	N.D.	22	45	1
10727	Anthracene	120-12-7	N.D.	4	23	1
10727	Atrazine	1912-24-9	N.D.	45	220	1
10727	Benzaldehyde	100-52-7	N.D.	90	220	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	23	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	23	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	23	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	23	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	23	1
10727	1,1'-Biphenyl	92-52-4	N.D.	22	45	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	22	45	1
10727	Butylbenzylphthalate	85-68-7	N.D.	90	220	1
10727	Di-n-butylphthalate	84-74-2	N.D.	90	220	1
10727	Caprolactam	105-60-2	N.D.	45	220	1
10727	Carbazole	86-74-8	N.D.	22	45	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	22	45	1
10727	4-Chloroaniline	106-47-8	N.D.	45	90	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	22	45	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	22	45	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	44	1
10727	2-Chlorophenol	95-57-8	N.D.	22	45	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	22	45	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	22	45	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	23	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	23	1
10727	Dibenzofuran	132-64-9	N.D.	22	45	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	450	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	22	45	1
10727	Diethylphthalate	84-66-2	N.D.	90	220	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	22	45	1
10727	Dimethylphthalate	131-11-3	N.D.	90	220	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	220	670	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	400	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	90	220	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	22	45	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	90	230	1
10727	Fluoranthene	206-44-0	N.D.	4	23	1
10727	Fluorene	86-73-7	N.D.	4	23	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	23	1
10727	Hexachlorobutadiene	87-68-3	N.D.	22	45	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	220	670	1
10727	Hexachloroethane	67-72-1	N.D.	45	220	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	23	1
10727	Isophorone	78-59-1	N.D.	22	45	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6713

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	23	1
10727	2-Methylphenol	95-48-7	N.D.	22	45	1
10727	4-Methylphenol	106-44-5	N.D.	22	45	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	23	1
10727	2-Nitroaniline	88-74-4	N.D.	22	45	1
10727	3-Nitroaniline	99-09-2	N.D.	90	220	1
10727	4-Nitroaniline	100-01-6	N.D.	90	220	1
10727	Nitrobenzene	98-95-3	N.D.	22	45	1
10727	2-Nitrophenol	88-75-5	N.D.	22	45	1
10727	4-Nitrophenol	100-02-7	N.D.	220	670	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	22	45	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	22	45	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	90	220	1
10727	Pentachlorophenol	87-86-5	N.D.	45	230	1
10727	Phenanthrene	85-01-8	N.D.	4	23	1
10727	Phenol	108-95-2	N.D.	22	45	1
10727	Pyrene	129-00-0	N.D.	4	23	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	22	45	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	22	45	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10738 Aldrin	309-00-2	N.D.	0.23	1.1
10738 Alpha BHC	319-84-6	N.D.	0.23	1.1
10738 Beta BHC	319-85-7	N.D.	0.40	1.3
10738 Gamma BHC - Lindane	58-89-9	N.D.	0.23	1.1
10738 Alpha Chlordane	5103-71-9	N.D.	0.23	1.1
10738 Gamma Chlordane	5103-74-2	N.D.	0.23	1.1
10738 p,p-DDD	72-54-8	N.D.	0.44	2.3
10738 p,p-DDE	72-55-9	N.D.	0.44	2.3
10738 p,p-DDT	50-29-3	N.D.	0.47	2.3
10738 Delta BHC	319-86-8	N.D.	0.61	1.2
10738 Dieldrin	60-57-1	N.D.	0.44	2.3
10738 Endosulfan I	959-98-8	N.D.	0.30	1.1
10738 Endosulfan II	33213-65-9	N.D.	0.44	2.3
10738 Endosulfan Sulfate	1031-07-8	N.D.	0.44	2.3
10738 Endrin	72-20-8	N.D.	0.44	2.3
10738 Endrin Aldehyde	7421-93-4	N.D.	0.44	2.3
10738 Endrin Ketone	53494-70-5	N.D.	0.81	2.4
10738 Heptachlor	76-44-8	N.D.	0.23	1.1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6713

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.23	1.1	1
10738	Methoxychlor	72-43-5	N.D.	2.3	9.0	1
10738	Toxaphene	8001-35-2	N.D.	19	44	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.9	23	1
10736	PCB-1221	11104-28-2	N.D.	6.2	23	1
10736	PCB-1232	11141-16-5	N.D.	11	23	1
10736	PCB-1242	53469-21-9	N.D.	4.5	23	1
10736	PCB-1248	12672-29-6	N.D.	4.5	23	1
10736	PCB-1254	11097-69-1	N.D.	4.5	23	1
10736	PCB-1260	11096-82-5	N.D.	6.6	23	1
10736	Total PCBs	1336-36-3	N.D.	4.5	23	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.4	16	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.4	16	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.4	16	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	1.58 J	0.917	2.62	1
06935	Arsenic	7440-38-2	11.2	1.27	2.62	1
06946	Barium	7440-39-3	164	0.0432	0.655	1
06947	Beryllium	7440-41-7	0.946	0.0878	0.655	1
06949	Cadmium	7440-43-9	0.105 J	0.0642	0.655	1
06951	Chromium	7440-47-3	53.2	0.183	1.96	1
06952	Cobalt	7440-48-4	5.67	0.157	0.655	1
06953	Copper	7440-50-8	38.6	0.301	1.31	1
06955	Lead	7439-92-1	12.7	0.720	1.96	1
06960	Molybdenum	7439-98-7	0.595 J	0.223	1.31	1
06961	Nickel	7440-02-0	39.4	0.393	1.31	1
06936	Selenium	7782-49-2	3.57	1.18	2.62	1
06966	Silver	7440-22-4	N.D.	0.196	0.655	1
06925	Thallium	7440-28-0	5.87	1.07	3.93	1
06971	Vanadium	7440-62-2	82.0	0.183	0.655	1
06972	Zinc	7440-66-6	73.2	0.891	2.62	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0733 J	0.0134	0.134	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	26.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6713

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 13:46	Angela D Sneeringer	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:17	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 00:28	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 00:57	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/25/2017 23:59	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/30/2017 13:01	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890829  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6713

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:14	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:16	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6714

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.95
10237	Benzene	71-43-2	N.D.	0.6	6	0.95
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.95
10237	Bromoform	75-25-2	N.D.	1	6	0.95
10237	Bromomethane	74-83-9	N.D.	2	6	0.95
10237	2-Butanone	78-93-3	N.D.	5	12	0.95
10237	C6-C10-TPH-GRO	n.a.	N.D.	51	130	0.95
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.95
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.95
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.95
10237	Chloroethane	75-00-3	N.D.	2	6	0.95
10237	Chloroform	67-66-3	N.D.	1	6	0.95
10237	Chloromethane	74-87-3	N.D.	2	6	0.95
10237	Cyclohexane	110-82-7	N.D.	1	6	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.95
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.95
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.95
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.95
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.95
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.95
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.95
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.95
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.95
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.95
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.95
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.95
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.95
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.95
10237	Freon 113	76-13-1	N.D.	2	12	0.95
10237	2-Hexanone	591-78-6	N.D.	3	12	0.95
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.95
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.95
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	12	0.95
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.95
10237	Methylene Chloride	75-09-2	3	2	6	0.95
10237	Styrene	100-42-5	N.D.	1	6	0.95
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.95
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.95
10237	Toluene	108-88-3	N.D.	1	6	0.95
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.95
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.95
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.95
10237	Trichloroethene	79-01-6	N.D.	1	6	0.95
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.95
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.95
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.95

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6714

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	80	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	80	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	80	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	80	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	40	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	80	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	80	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	600	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	80	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	80	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	600	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6714

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	20	40	1
10727	4-Methylphenol	106-44-5	N.D.	20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	20	40	1
10727	3-Nitroaniline	99-09-2	N.D.	80	200	1
10727	4-Nitroaniline	100-01-6	N.D.	80	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	40	1
10727	2-Nitrophenol	88-75-5	N.D.	20	40	1
10727	4-Nitrophenol	100-02-7	N.D.	200	600	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	40	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	80	200	1
10727	Pentachlorophenol	87-86-5	N.D.	40	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	N.D.	20	40	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:

Hexachlorocyclopentadiene

<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10738 Aldrin	309-00-2	N.D.	0.21	1.0
10738 Alpha BHC	319-84-6	N.D.	0.21	1.0
10738 Beta BHC	319-85-7	N.D.	0.36	1.2
10738 Gamma BHC - Lindane	58-89-9	N.D.	0.21	1.0
10738 Alpha Chlordane	5103-71-9	N.D.	0.21	1.0
10738 Gamma Chlordane	5103-74-2	N.D.	0.21	1.0
10738 p,p-DDD	72-54-8	N.D.	0.40	2.1
10738 p,p-DDE	72-55-9	N.D.	0.40	2.1
10738 p,p-DDT	50-29-3	N.D.	0.42	2.1
10738 Delta BHC	319-86-8	N.D.	0.54	1.1
10738 Dieldrin	60-57-1	N.D.	0.40	2.1
10738 Endosulfan I	959-98-8	N.D.	0.27	1.0
10738 Endosulfan II	33213-65-9	N.D.	0.40	2.1
10738 Endosulfan Sulfate	1031-07-8	N.D.	0.40	2.1
10738 Endrin	72-20-8	N.D.	0.40	2.1
10738 Endrin Aldehyde	7421-93-4	N.D.	0.40	2.1
10738 Endrin Ketone	53494-70-5	N.D.	0.72	2.2
10738 Heptachlor	76-44-8	N.D.	0.21	1.0

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6714

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.21	1.0	1
10738	Methoxychlor	72-43-5	N.D.	2.1	8.1	1
10738	Toxaphene	8001-35-2	N.D.	17	40	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.3	20	1
10736	PCB-1221	11104-28-2	N.D.	5.5	20	1
10736	PCB-1232	11141-16-5	N.D.	9.6	20	1
10736	PCB-1242	53469-21-9	N.D.	4.0	20	1
10736	PCB-1248	12672-29-6	N.D.	4.0	20	1
10736	PCB-1254	11097-69-1	N.D.	4.0	20	1
10736	PCB-1260	11096-82-5	N.D.	5.9	20	1
10736	Total PCBs	1336-36-3	N.D.	4.0	20	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.8	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.8	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.8	15	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	1.14 J	0.720	2.06	1
06935	Arsenic	7440-38-2	2.33	0.998	2.06	1
06946	Barium	7440-39-3	230	0.0339	0.514	1
06947	Beryllium	7440-41-7	0.755	0.0689	0.514	1
06949	Cadmium	7440-43-9	0.227 J	0.0504	0.514	1
06951	Chromium	7440-47-3	58.2	0.144	1.54	1
06952	Cobalt	7440-48-4	7.41	0.123	0.514	1
06953	Copper	7440-50-8	24.7	0.237	1.03	1
06955	Lead	7439-92-1	9.30	0.566	1.54	1
06960	Molybdenum	7439-98-7	N.D.	0.175	1.03	1
06961	Nickel	7440-02-0	40.4	0.309	1.03	1
06936	Selenium	7782-49-2	2.91	0.926	2.06	1
06966	Silver	7440-22-4	N.D.	0.154	0.514	1
06925	Thallium	7440-28-0	6.18	0.843	3.09	1
06971	Vanadium	7440-62-2	51.2	0.144	0.514	1
06972	Zinc	7440-66-6	71.8	0.699	2.06	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0436 J	0.0121	0.121	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	17.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6714

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 14:09	Angela D Sneeringer	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:15	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 00:53	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 02:31	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/26/2017 00:10	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 16:02	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-3-25 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890833  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6714

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:18	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:19	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890837  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:12 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6715

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	26	0.99
10237	Benzene	71-43-2	N.D.	0.6	6	0.99
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.99
10237	Bromoform	75-25-2	N.D.	1	6	0.99
10237	Bromomethane	74-83-9	N.D.	3	6	0.99
10237	2-Butanone	78-93-3	N.D.	5	13	0.99
10237	C6-C10-TPH-GRO	n.a.	N.D.	57	140	0.99
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.99
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.99
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.99
10237	Chloroethane	75-00-3	N.D.	3	6	0.99
10237	Chloroform	67-66-3	N.D.	1	6	0.99
10237	Chloromethane	74-87-3	N.D.	3	6	0.99
10237	Cyclohexane	110-82-7	N.D.	1	6	0.99
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	0.99
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.99
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.99
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.99
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	0.99
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.99
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.99
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.99
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.99
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.99
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.99
10237	Freon 113	76-13-1	N.D.	3	13	0.99
10237	2-Hexanone	591-78-6	N.D.	4	13	0.99
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.99
10237	Methyl Acetate	79-20-9	N.D.	3	6	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.99
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.99
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.99
10237	Methylene Chloride	75-09-2	5	3	6	0.99
10237	Styrene	100-42-5	N.D.	1	6	0.99
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.99
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.99
10237	Toluene	108-88-3	N.D.	1	6	0.99
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.99
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.99
10237	Trichloroethene	79-01-6	N.D.	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	0.99
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.99
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.99

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890837  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:12 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6715

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	22	1
10727	Acenaphthylene	208-96-8	N.D.	4	22	1
10727	Acetophenone	98-86-2	N.D.	22	43	1
10727	Anthracene	120-12-7	N.D.	4	22	1
10727	Atrazine	1912-24-9	N.D.	43	220	1
10727	Benzaldehyde	100-52-7	N.D.	86	220	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	22	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	22	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	22	43	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	22	43	1
10727	Butylbenzylphthalate	85-68-7	N.D.	86	220	1
10727	Di-n-butylphthalate	84-74-2	N.D.	86	220	1
10727	Caprolactam	105-60-2	N.D.	43	220	1
10727	Carbazole	86-74-8	N.D.	22	43	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	22	43	1
10727	4-Chloroaniline	106-47-8	N.D.	43	86	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	22	43	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	22	43	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	43	1
10727	2-Chlorophenol	95-57-8	N.D.	22	43	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	22	43	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	22	43	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	22	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	N.D.	22	43	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	430	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	22	43	1
10727	Diethylphthalate	84-66-2	N.D.	86	220	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	22	43	1
10727	Dimethylphthalate	131-11-3	N.D.	86	220	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	220	650	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	86	220	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	22	43	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	86	220	1
10727	Fluoranthene	206-44-0	N.D.	4	22	1
10727	Fluorene	86-73-7	N.D.	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	22	43	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	220	650	1
10727	Hexachloroethane	67-72-1	N.D.	43	220	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	22	43	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890837  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:12 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6715

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	22	43	1
10727	4-Methylphenol	106-44-5	N.D.	22	43	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	22	43	1
10727	3-Nitroaniline	99-09-2	N.D.	86	220	1
10727	4-Nitroaniline	100-01-6	N.D.	86	220	1
10727	Nitrobenzene	98-95-3	N.D.	22	43	1
10727	2-Nitrophenol	88-75-5	N.D.	22	43	1
10727	4-Nitrophenol	100-02-7	N.D.	220	650	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	22	43	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	22	43	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	86	220	1
10727	Pentachlorophenol	87-86-5	N.D.	43	220	1
10727	Phenanthrene	85-01-8	N.D.	4	22	1
10727	Phenol	108-95-2	120	22	43	1
10727	Pyrene	129-00-0	N.D.	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	22	43	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	22	43	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.2	16	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.2	16	1
00071	Total TPH w/Si Gel	n.a.	N.D.	5.2	16	1
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.44 J	0.702	2.01	1
06935	Arsenic	7440-38-2	14.8	0.973	2.01	1
06946	Barium	7440-39-3	367	0.0331	0.502	1
06947	Beryllium	7440-41-7	1.09	0.0672	0.502	1
06949	Cadmium	7440-43-9	N.D.	0.0492	0.502	1
06951	Chromium	7440-47-3	74.0	0.140	1.50	1
06952	Cobalt	7440-48-4	11.9	0.120	0.502	1
06953	Copper	7440-50-8	37.4	0.231	1.00	1
06955	Lead	7439-92-1	11.1	0.552	1.50	1
06960	Molybdenum	7439-98-7	2.01	0.171	1.00	1
06961	Nickel	7440-02-0	55.8	0.301	1.00	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890837  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:12 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6715

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	3.17	0.903	2.01	1
06966	Silver	7440-22-4	0.619	0.150	0.502	1
06925	Thallium	7440-28-0	3.91	0.823	3.01	1
06971	Vanadium	7440-62-2	100	0.140	0.502	1
06972	Zinc	7440-66-6	104	0.682	2.01	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0726 J	0.0125	0.125	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	23.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 14:31	Angela D Sneeringer	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:10	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 01:19	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 16:24	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890837  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:12 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6715

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 03:15	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:37	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890841  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6716

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.96
10237	Benzene	71-43-2	N.D.	0.5	5	0.96
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.96
10237	Bromoform	75-25-2	N.D.	1	5	0.96
10237	Bromomethane	74-83-9	N.D.	2	5	0.96
10237	2-Butanone	78-93-3	N.D.	4	11	0.96
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	0.96
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.96
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.96
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.96
10237	Chloroethane	75-00-3	N.D.	2	5	0.96
10237	Chloroform	67-66-3	N.D.	1	5	0.96
10237	Chloromethane	74-87-3	N.D.	2	5	0.96
10237	Cyclohexane	110-82-7	N.D.	1	5	0.96
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.96
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.96
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.96
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.96
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.96
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.96
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.96
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.96
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.96
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.96
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.96
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.96
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.96
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.96
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.96
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.96
10237	Freon 113	76-13-1	N.D.	2	11	0.96
10237	2-Hexanone	591-78-6	N.D.	3	11	0.96
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.96
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.96
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.96
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.96
10237	Methylene Chloride	75-09-2	5	2	5	0.96
10237	Styrene	100-42-5	N.D.	1	5	0.96
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.96
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.96
10237	Toluene	108-88-3	N.D.	1	5	0.96
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.96
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.96
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.96
10237	Trichloroethene	79-01-6	N.D.	1	5	0.96
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.96
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.96
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.96

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890841  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6716

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	570	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	570	1
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-3-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890841  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6716

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	570	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	38	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.6	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.6	14	1
<b>Metals</b>						
<b>SW-846 6010B</b>		<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>		
06944	Antimony	7440-36-0	0.873 J	0.702	2.01	1
06935	Arsenic	7440-38-2	4.70	0.972	2.01	1
06946	Barium	7440-39-3	167	0.0331	0.501	1
06947	Beryllium	7440-41-7	0.509	0.0672	0.501	1
06949	Cadmium	7440-43-9	0.246 J	0.0491	0.501	1
06951	Chromium	7440-47-3	43.4	0.140	1.50	1
06952	Cobalt	7440-48-4	5.82	0.120	0.501	1
06953	Copper	7440-50-8	18.1	0.231	1.00	1
06955	Lead	7439-92-1	3.99	0.551	1.50	1
06960	Molybdenum	7439-98-7	2.21	0.170	1.00	1
06961	Nickel	7440-02-0	30.7	0.301	1.00	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890841  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:20 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6716

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	1.63 J	0.902	2.01	1
06966	Silver	7440-22-4	0.176 J	0.150	0.501	1
06925	Thallium	7440-28-0	2.44 J	0.822	3.01	1
06971	Vanadium	7440-62-2	52.7	0.140	0.501	1
06972	Zinc	7440-66-6	51.3	0.682	2.01	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0339 J	0.0109	0.109	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	12.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 19:47	Angela D Sneeringer	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:05	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 01:44	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 16:45	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890841  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6716

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 03:26	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:40	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890845  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6717

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	10	28	0.97
10237	Benzene	71-43-2	N.D.	0.7	7	0.97
10237	Bromodichloromethane	75-27-4	N.D.	1	7	0.97
10237	Bromoform	75-25-2	N.D.	1	7	0.97
10237	Bromomethane	74-83-9	N.D.	3	7	0.97
10237	2-Butanone	78-93-3	N.D.	6	14	0.97
10237	C6-C10-TPH-GRO	n.a.	N.D.	63	160	0.97
10237	Carbon Disulfide	75-15-0	N.D.	1	7	0.97
10237	Carbon Tetrachloride	56-23-5	N.D.	1	7	0.97
10237	Chlorobenzene	108-90-7	N.D.	1	7	0.97
10237	Chloroethane	75-00-3	N.D.	3	7	0.97
10237	Chloroform	67-66-3	N.D.	1	7	0.97
10237	Chloromethane	74-87-3	N.D.	3	7	0.97
10237	Cyclohexane	110-82-7	N.D.	1	7	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	7	0.97
10237	Dibromochloromethane	124-48-1	N.D.	1	7	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	1	7	0.97
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	7	0.97
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	7	0.97
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	7	0.97
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	7	0.97
10237	1,1-Dichloroethane	75-34-3	N.D.	1	7	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	1	7	0.97
10237	1,1-Dichloroethene	75-35-4	N.D.	1	7	0.97
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	7	0.97
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	7	0.97
10237	1,2-Dichloropropane	78-87-5	N.D.	1	7	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	7	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	7	0.97
10237	Ethylbenzene	100-41-4	N.D.	1	7	0.97
10237	Freon 113	76-13-1	N.D.	3	14	0.97
10237	2-Hexanone	591-78-6	N.D.	4	14	0.97
10237	Isopropylbenzene	98-82-8	N.D.	1	7	0.97
10237	Methyl Acetate	79-20-9	N.D.	3	7	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.7	7	0.97
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	14	0.97
10237	Methylcyclohexane	108-87-2	N.D.	1	7	0.97
10237	Methylene Chloride	75-09-2	N.D.	3	7	0.97
10237	Styrene	100-42-5	N.D.	1	7	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	7	0.97
10237	Tetrachloroethene	127-18-4	N.D.	1	7	0.97
10237	Toluene	108-88-3	N.D.	1	7	0.97
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	7	0.97
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	7	0.97
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	7	0.97
10237	Trichloroethene	79-01-6	N.D.	1	7	0.97
10237	Trichlorofluoromethane	75-69-4	N.D.	3	7	0.97
10237	Vinyl Chloride	75-01-4	N.D.	1	7	0.97
10237	Xylene (Total)	1330-20-7	N.D.	1	7	0.97

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890845  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6717

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	5	25	1
10727	Acenaphthylene	208-96-8	N.D.	5	25	1
10727	Acetophenone	98-86-2	N.D.	24	49	1
10727	Anthracene	120-12-7	N.D.	5	25	1
10727	Atrazine	1912-24-9	N.D.	49	240	1
10727	Benzaldehyde	100-52-7	N.D.	97	240	1
10727	Benzo(a)anthracene	56-55-3	N.D.	5	25	1
10727	Benzo(a)pyrene	50-32-8	N.D.	5	25	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	5	25	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	5	25	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	5	25	1
10727	1,1'-Biphenyl	92-52-4	N.D.	24	49	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	24	49	1
10727	Butylbenzylphthalate	85-68-7	N.D.	97	240	1
10727	Di-n-butylphthalate	84-74-2	N.D.	97	240	1
10727	Caprolactam	105-60-2	N.D.	49	240	1
10727	Carbazole	86-74-8	N.D.	24	49	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	24	49	1
10727	4-Chloroaniline	106-47-8	N.D.	49	97	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	24	49	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	24	49	1
10727	2-Chloronaphthalene	91-58-7	N.D.	10	48	1
10727	2-Chlorophenol	95-57-8	N.D.	24	49	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	24	49	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	24	49	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	5	25	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	5	25	1
10727	Dibenzofuran	132-64-9	N.D.	24	49	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	150	490	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	24	49	1
10727	Diethylphthalate	84-66-2	N.D.	97	240	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	24	49	1
10727	Dimethylphthalate	131-11-3	N.D.	97	240	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	240	730	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	440	1,500	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	97	240	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	24	49	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	97	250	1
10727	Fluoranthene	206-44-0	N.D.	5	25	1
10727	Fluorene	86-73-7	N.D.	5	25	1
10727	Hexachlorobenzene	118-74-1	N.D.	5	25	1
10727	Hexachlorobutadiene	87-68-3	N.D.	24	49	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	240	730	1
10727	Hexachloroethane	67-72-1	N.D.	49	240	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	5	25	1
10727	Isophorone	78-59-1	N.D.	24	49	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890845  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6717

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	5	25	1
10727	2-Methylphenol	95-48-7	N.D.	24	49	1
10727	4-Methylphenol	106-44-5	N.D.	24	49	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	5	25	1
10727	2-Nitroaniline	88-74-4	N.D.	24	49	1
10727	3-Nitroaniline	99-09-2	N.D.	97	240	1
10727	4-Nitroaniline	100-01-6	N.D.	97	240	1
10727	Nitrobenzene	98-95-3	N.D.	24	49	1
10727	2-Nitrophenol	88-75-5	N.D.	24	49	1
10727	4-Nitrophenol	100-02-7	N.D.	240	730	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	24	49	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	24	49	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	97	240	1
10727	Pentachlorophenol	87-86-5	N.D.	49	250	1
10727	Phenanthrene	85-01-8	N.D.	5	25	1
10727	Phenol	108-95-2	49	24	49	1
10727	Pyrene	129-00-0	N.D.	5	25	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	24	49	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	24	49	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
<b>Hydrocarbons w/Si</b>				
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.8
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.8
00071	Total TPH w/Si Gel	n.a.	N.D.	5.8

<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
06944	Antimony	7440-36-0	1.01 J	0.965
06935	Arsenic	7440-38-2	5.07	1.34
06946	Barium	7440-39-3	156	0.0455
06947	Beryllium	7440-41-7	0.448 J	0.0924
06949	Cadmium	7440-43-9	0.192 J	0.0676
06951	Chromium	7440-47-3	43.0	0.193
06952	Cobalt	7440-48-4	8.04	0.166
06953	Copper	7440-50-8	12.0	0.317
06955	Lead	7439-92-1	5.36	0.759
06960	Molybdenum	7439-98-7	1.32 J	0.234
06961	Nickel	7440-02-0	32.5	0.414

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890845  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6717

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	2.18 J	1.24	2.76	1
06966	Silver	7440-22-4	0.234 J	0.207	0.690	1
06925	Thallium	7440-28-0	3.68 J	1.13	4.14	1
06971	Vanadium	7440-62-2	50.7	0.193	0.690	1
06972	Zinc	7440-66-6	54.6	0.938	2.76	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0518 J	0.0144	0.144	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	31.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 15:16	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 14:01	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 02:10	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 17:07	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890845  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:40 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6717

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 03:30	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:47	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-3-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890849  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6718

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	N.D.	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-3-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890849  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:55 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6718

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	N.D.	45	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	N.D.	45	100	1
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the sample surrogate is compliant. Both trials are reported.						
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	N.D.	0.0097	0.0200	1
07046	Barium	7440-39-3	0.162	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00064 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0056	0.0019	0.0050	1
07053	Copper	7440-50-8	N.D.	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.0201	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0111	0.0028	0.0100	1
07036	Selenium	7782-49-2	0.0117 J	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	N.D.	0.0016	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

**Sample Comments**

CA ELAP Lab Certification No. 2792  
CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170861AA	03/27/2017 15:10	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170861AA	03/27/2017 15:10	Nicole S Lamoreaux	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-3-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890849  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 09:55 by SS

Stantec  
15575 Los Gatos Boulevard  
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Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6718

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170790047A	03/30/2017 22:59	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170790047A	03/21/2017 08:00	Osvaldo Sanchez	1
07044	Antimony	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010B	1	170861848001	03/30/2017 19:18	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07060	Molybdenum	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010B	1	170861848001	03/28/2017 19:58	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	170865713002	03/28/2017 06:59	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170861848001	03/27/2017 16:40	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170865713002	03/27/2017 17:45	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6719

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	40	8	23	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	11	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	120	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	11	1
10237	2-Hexanone	591-78-6	N.D.	3	11	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	3	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6719

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	19	96	5
10727	Acenaphthylene	208-96-8	N.D.	19	96	5
10727	Acetophenone	98-86-2	N.D.	94	190	5
10727	Anthracene	120-12-7	N.D.	19	96	5
10727	Atrazine	1912-24-9	N.D.	190	940	5
10727	Benzaldehyde	100-52-7	N.D.	380	940	5
10727	Benzo(a)anthracene	56-55-3	N.D.	19	96	5
10727	Benzo(a)pyrene	50-32-8	N.D.	19	96	5
10727	Benzo(b)fluoranthene	205-99-2	N.D.	19	96	5
10727	Benzo(g,h,i)perylene	191-24-2	19 J	19	96	5
10727	Benzo(k)fluoranthene	207-08-9	N.D.	19	96	5
10727	1,1'-Biphenyl	92-52-4	N.D.	94	190	5
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	94	190	5
10727	Butylbenzylphthalate	85-68-7	N.D.	380	940	5
10727	Di-n-butylphthalate	84-74-2	N.D.	380	940	5
10727	Caprolactam	105-60-2	N.D.	190	940	5
10727	Carbazole	86-74-8	N.D.	94	190	5
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	94	190	5
10727	4-Chloroaniline	106-47-8	N.D.	190	380	5
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	94	190	5
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	94	190	5
10727	2-Chloronaphthalene	91-58-7	N.D.	38	190	5
10727	2-Chlorophenol	95-57-8	N.D.	94	190	5
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	94	190	5
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	94	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	19	96	5
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	19	96	5
10727	Dibenzofuran	132-64-9	N.D.	94	190	5
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	570	1,900	5
10727	2,4-Dichlorophenol	120-83-2	N.D.	94	190	5
10727	Diethylphthalate	84-66-2	N.D.	380	940	5
10727	2,4-Dimethylphenol	105-67-9	N.D.	94	190	5
10727	Dimethylphthalate	131-11-3	N.D.	380	940	5
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	940	2,800	5
10727	2,4-Dinitrophenol	51-28-5	N.D.	1,700	5,700	5
10727	2,4-Dinitrotoluene	121-14-2	N.D.	380	940	5
10727	2,6-Dinitrotoluene	606-20-2	N.D.	94	190	5
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	380	960	5
10727	Fluoranthene	206-44-0	N.D.	19	96	5
10727	Fluorene	86-73-7	N.D.	19	96	5
10727	Hexachlorobenzene	118-74-1	N.D.	19	96	5
10727	Hexachlorobutadiene	87-68-3	N.D.	94	190	5
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	940	2,800	5
10727	Hexachloroethane	67-72-1	N.D.	190	940	5
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	19	96	5
10727	Isophorone	78-59-1	N.D.	94	190	5

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6719

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	19	96	5
10727	2-Methylphenol	95-48-7	N.D.	94	190	5
10727	4-Methylphenol	106-44-5	N.D.	94	190	5
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	19	96	5
10727	2-Nitroaniline	88-74-4	N.D.	94	190	5
10727	3-Nitroaniline	99-09-2	N.D.	380	940	5
10727	4-Nitroaniline	100-01-6	N.D.	380	940	5
10727	Nitrobenzene	98-95-3	N.D.	94	190	5
10727	2-Nitrophenol	88-75-5	N.D.	94	190	5
10727	4-Nitrophenol	100-02-7	N.D.	940	2,800	5
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	94	190	5
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	94	190	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	380	940	5
10727	Pentachlorophenol	87-86-5	N.D.	190	960	5
10727	Phenanthrene	85-01-8	N.D.	19	96	5
10727	Phenol	108-95-2	N.D.	94	190	5
10727	Pyrene	129-00-0	N.D.	19	96	5
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	94	190	5
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	94	190	5

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:

Hexachlorocyclopentadiene

Reporting limits were raised due to interference from the sample matrix.

<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>
10738 Aldrin	309-00-2	N.D.	0.19	0.94
10738 Alpha BHC	319-84-6	N.D.	0.19	0.94
10738 Beta BHC	319-85-7	N.D.	0.34	1.1
10738 Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.94
10738 Alpha Chlordane	5103-71-9	0.77 J	0.19	0.94
10738 Gamma Chlordane	5103-74-2	0.57 J	0.19	0.94
10738 p,p-DDD	72-54-8	0.43 J	0.37	1.9
10738 p,p-DDE	72-55-9	3.1	0.37	1.9
10738 p,p-DDT	50-29-3	5.7	0.40	1.9
10738 Delta BHC	319-86-8	N.D.	0.51	1.0
10738 Dieldrin	60-57-1	3.4	0.37	1.9
10738 Endosulfan I	959-98-8	N.D.	0.25	0.94
10738 Endosulfan II	33213-65-9	N.D.	0.37	1.9
10738 Endosulfan Sulfate	1031-07-8	N.D.	0.37	1.9
10738 Endrin	72-20-8	N.D.	0.37	1.9
10738 Endrin Aldehyde	7421-93-4	N.D.	0.37	1.9

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6719

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Endrin Ketone	53494-70-5	N.D.	0.68	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.94	1
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.94	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.6	1
10738	Toxaphene	8001-35-2	N.D.	16	37	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.2	19	1
10736	PCB-1232	11141-16-5	N.D.	9.0	19	1
10736	PCB-1242	53469-21-9	N.D.	3.7	19	1
10736	PCB-1248	12672-29-6	N.D.	3.7	19	1
10736	PCB-1254	11097-69-1	N.D.	3.7	19	1
10736	PCB-1260	11096-82-5	N.D.	5.5	19	1
10736	Total PCBs	1336-36-3	N.D.	3.7	19	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	C23-C40 w/Si Gel	n.a.	72	4.5	14	1
00071	Total TPH w/Si Gel	n.a.	72	4.5	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	1.26 J	0.558	1.59	1
06935	Arsenic	7440-38-2	5.12	0.773	1.59	1
06946	Barium	7440-39-3	253	0.0263	0.398	1
06947	Beryllium	7440-41-7	0.573	0.0534	0.398	1
06949	Cadmium	7440-43-9	0.369 J	0.0390	0.398	1
06951	Chromium	7440-47-3	58.2	0.112	1.19	1
06952	Cobalt	7440-48-4	11.3	0.0956	0.398	1
06953	Copper	7440-50-8	26.3	0.183	0.796	1
06955	Lead	7439-92-1	41.3	0.438	1.19	1
06960	Molybdenum	7439-98-7	1.24	0.135	0.796	1
06961	Nickel	7440-02-0	47.0	0.239	0.796	1
06936	Selenium	7782-49-2	2.98	0.717	1.59	1
06966	Silver	7440-22-4	0.343 J	0.119	0.398	1
06925	Thallium	7440-28-0	11.2	0.653	2.39	1
06971	Vanadium	7440-62-2	69.4	0.112	0.398	1
06972	Zinc	7440-66-6	87.7	0.542	1.59	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0546 J	0.0112	0.112	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	12.2	0.50	0.50	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6719

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
	<b>Wet Chemistry</b>	<b>SM 2540 G-1997</b>	%	%	%	
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by	SW-846 8260B	1	B170821AA	03/23/2017 15:39	Angela D Sneeringer	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:14	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 02:35	Edward C Monborne	5
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 02:44	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/26/2017 00:22	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 21:46	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890850  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6719

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:22	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:21	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-1-40 Composite Soil  
WET  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8890853  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07051	Chromium	7440-47-3	0.101 J	0.0468	0.390	1.04
07055	Lead	7439-92-1	0.199 J	0.161	0.390	1.04

### Sample Comments

CA ELAP Lab Certification No. 2792  
The amount of sample collected for metals analysis was 250mL and the volume of preservation fluid added to the sample was 10mL.

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010B	1	170895705004	04/05/2017 07:34	Joanne M Gates	1.04
07055	Lead	SW-846 6010B	1	170895705004	04/05/2017 07:34	Joanne M Gates	1.04
05705	ICP-WW/TL, 3010A (tot) - U3	SW-846 3010A	1	170895705004	04/04/2017 16:54	Barbara A Kane	1
01435	Non-volatile WET	CCR Title 22 WET Sec 66700	1	17089-12245-14 35	03/30/2017 12:55	Tanner Grumbling	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6720

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.97
10237	Benzene	71-43-2	N.D.	0.6	6	0.97
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.97
10237	Bromoform	75-25-2	N.D.	1	6	0.97
10237	Bromomethane	74-83-9	N.D.	2	6	0.97
10237	2-Butanone	78-93-3	N.D.	4	11	0.97
10237	C6-C10-TPH-GRO	n.a.	N.D.	49	120	0.97
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.97
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.97
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.97
10237	Chloroethane	75-00-3	N.D.	2	6	0.97
10237	Chloroform	67-66-3	N.D.	1	6	0.97
10237	Chloromethane	74-87-3	N.D.	2	6	0.97
10237	Cyclohexane	110-82-7	N.D.	1	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.97
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.97
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.97
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.97
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.97
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.97
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.97
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.97
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.97
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.97
10237	Freon 113	76-13-1	N.D.	2	11	0.97
10237	2-Hexanone	591-78-6	N.D.	3	11	0.97
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.97
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.97
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.97
10237	Methylene Chloride	75-09-2	4	2	6	0.97
10237	Styrene	100-42-5	N.D.	1	6	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.97
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.97
10237	Toluene	108-88-3	N.D.	1	6	0.97
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.97
10237	Trichloroethene	79-01-6	N.D.	1	6	0.97
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.97
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.97
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.97

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6720

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	37	190	1
10727	Carbazole	86-74-8	N.D.	19	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	37	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	37	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1
10727	Hexachloroethane	67-72-1	N.D.	37	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	37	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6720

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	37	1
10727	4-Methylphenol	106-44-5	N.D.	19	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	37	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	37	1
10727	2-Nitrophenol	88-75-5	N.D.	19	37	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	19	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	37	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:

Hexachlorocyclopentadiene

<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>		
10738	Aldrin	309-00-2	N.D.	0.19	0.94	1
10738	Alpha BHC	319-84-6	N.D.	0.19	0.94	1
10738	Beta BHC	319-85-7	N.D.	0.34	1.1	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.19	0.94	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.19	0.94	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.19	0.94	1
10738	p,p-DDD	72-54-8	N.D.	0.37	1.9	1
10738	p,p-DDE	72-55-9	N.D.	0.37	1.9	1
10738	p,p-DDT	50-29-3	N.D.	0.40	1.9	1
10738	Delta BHC	319-86-8	N.D.	0.51	1.0	1
10738	Dieldrin	60-57-1	N.D.	0.37	1.9	1
10738	Endosulfan I	959-98-8	N.D.	0.25	0.94	1
10738	Endosulfan II	33213-65-9	N.D.	0.37	1.9	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.37	1.9	1
10738	Endrin	72-20-8	N.D.	0.37	1.9	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.37	1.9	1
10738	Endrin Ketone	53494-70-5	N.D.	0.68	2.0	1
10738	Heptachlor	76-44-8	N.D.	0.19	0.94	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6720

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.19	0.94	1
10738	Methoxychlor	72-43-5	N.D.	1.9	7.6	1
10738	Toxaphene	8001-35-2	N.D.	16	37	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.1	19	1
10736	PCB-1221	11104-28-2	N.D.	5.2	19	1
10736	PCB-1232	11141-16-5	N.D.	9.1	19	1
10736	PCB-1242	53469-21-9	N.D.	3.7	19	1
10736	PCB-1248	12672-29-6	N.D.	3.7	19	1
10736	PCB-1254	11097-69-1	N.D.	3.7	19	1
10736	PCB-1260	11096-82-5	N.D.	5.5	19	1
10736	Total PCBs	1336-36-3	N.D.	3.7	19	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.5	14	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	0.950 J	0.680	1.94	1
06935	Arsenic	7440-38-2	3.68	0.942	1.94	1
06946	Barium	7440-39-3	161	0.0321	0.486	1
06947	Beryllium	7440-41-7	0.511	0.0651	0.486	1
06949	Cadmium	7440-43-9	0.354 J	0.0476	0.486	1
06951	Chromium	7440-47-3	55.2	0.136	1.46	1
06952	Cobalt	7440-48-4	9.90	0.117	0.486	1
06953	Copper	7440-50-8	15.2	0.223	0.971	1
06955	Lead	7439-92-1	6.38	0.534	1.46	1
06960	Molybdenum	7439-98-7	1.02	0.165	0.971	1
06961	Nickel	7440-02-0	34.3	0.291	0.971	1
06936	Selenium	7782-49-2	1.96	0.874	1.94	1
06966	Silver	7440-22-4	0.288 J	0.146	0.486	1
06925	Thallium	7440-28-0	9.72	0.796	2.91	1
06971	Vanadium	7440-62-2	57.8	0.136	0.486	1
06972	Zinc	7440-66-6	63.7	0.660	1.94	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0158 J	0.0110	0.110	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	12.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6720

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 20:27	Patrick T Herres	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:17	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 03:01	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 02:57	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/26/2017 00:33	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 17:28	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890854  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6720

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:26	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:24	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-4-9 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890858  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6721

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.98
10237	Benzene	71-43-2	N.D.	0.6	6	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.98
10237	Bromoform	75-25-2	N.D.	1	6	0.98
10237	Bromomethane	74-83-9	N.D.	2	6	0.98
10237	2-Butanone	78-93-3	N.D.	4	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	49	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.98
10237	Chloroethane	75-00-3	N.D.	2	6	0.98
10237	Chloroform	67-66-3	N.D.	1	6	0.98
10237	Chloromethane	74-87-3	N.D.	2	6	0.98
10237	Cyclohexane	110-82-7	N.D.	1	6	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.98
10237	Methylene Chloride	75-09-2	N.D.	2	6	0.98
10237	Styrene	100-42-5	N.D.	1	6	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.98
10237	Toluene	108-88-3	N.D.	1	6	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.98
10237	Trichloroethene	79-01-6	N.D.	1	6	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.98

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-9 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890858  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6721

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	ug/kg	ug/kg	ug/kg	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	19	38	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	38	190	1
10727	Benzaldehyde	100-52-7	N.D.	75	190	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	19	38	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	19	38	1
10727	Butylbenzylphthalate	85-68-7	N.D.	75	190	1
10727	Di-n-butylphthalate	84-74-2	N.D.	75	190	1
10727	Caprolactam	105-60-2	N.D.	38	190	1
10727	Carbazole	86-74-8	N.D.	19	38	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	19	38	1
10727	4-Chloroaniline	106-47-8	N.D.	38	75	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19	38	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	19	38	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	37	1
10727	2-Chlorophenol	95-57-8	N.D.	19	38	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19	38	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	19	38	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	380	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	19	38	1
10727	Diethylphthalate	84-66-2	N.D.	75	190	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	19	38	1
10727	Dimethylphthalate	131-11-3	N.D.	75	190	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	190	560	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	340	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	75	190	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	19	38	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	75	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	19	38	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	190	560	1
10727	Hexachloroethane	67-72-1	N.D.	38	190	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	19	38	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-9 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890858  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6721

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	19	38	1
10727	4-Methylphenol	106-44-5	N.D.	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	19	38	1
10727	3-Nitroaniline	99-09-2	N.D.	75	190	1
10727	4-Nitroaniline	100-01-6	N.D.	75	190	1
10727	Nitrobenzene	98-95-3	N.D.	19	38	1
10727	2-Nitrophenol	88-75-5	N.D.	19	38	1
10727	4-Nitrophenol	100-02-7	N.D.	190	560	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19	38	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	75	190	1
10727	Pentachlorophenol	87-86-5	N.D.	38	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	110	19	38	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	19	38	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	19	38	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.5	14	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.5	14	1
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.02 J	0.542	1.55	1
06935	Arsenic	7440-38-2	4.95	0.751	1.55	1
06946	Barium	7440-39-3	128	0.0255	0.387	1
06947	Beryllium	7440-41-7	0.577	0.0519	0.387	1
06949	Cadmium	7440-43-9	0.382 J	0.0379	0.387	1
06951	Chromium	7440-47-3	71.1	0.108	1.16	1
06952	Cobalt	7440-48-4	9.93	0.0929	0.387	1
06953	Copper	7440-50-8	7.74	0.178	0.774	1
06955	Lead	7439-92-1	5.80	0.426	1.16	1
06960	Molybdenum	7439-98-7	0.667 J	0.132	0.774	1
06961	Nickel	7440-02-0	37.2	0.232	0.774	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-9 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890858  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6721

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	2.92	0.697	1.55	1
06966	Silver	7440-22-4	0.611	0.116	0.387	1
06925	Thallium	7440-28-0	4.60	0.635	2.32	1
06971	Vanadium	7440-62-2	71.5	0.108	0.387	1
06972	Zinc	7440-66-6	61.5	0.526	1.55	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0409 J	0.0112	0.112	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	12.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 16:24	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:50	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:25	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 03:26	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 17:49	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-9 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890858  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6721

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 03:34	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:50	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017 23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6722

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	1
10237	Benzene	71-43-2	N.D.	0.6	6	1
10237	Bromodichloromethane	75-27-4	N.D.	1	6	1
10237	Bromoform	75-25-2	N.D.	1	6	1
10237	Bromomethane	74-83-9	N.D.	2	6	1
10237	2-Butanone	78-93-3	N.D.	5	12	1
10237	C6-C10-TPH-GRO	n.a.	N.D.	54	140	1
10237	Carbon Disulfide	75-15-0	N.D.	1	6	1
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	1
10237	Chlorobenzene	108-90-7	N.D.	1	6	1
10237	Chloroethane	75-00-3	N.D.	2	6	1
10237	Chloroform	67-66-3	N.D.	1	6	1
10237	Chloromethane	74-87-3	N.D.	2	6	1
10237	Cyclohexane	110-82-7	N.D.	1	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	1
10237	Dibromochloromethane	124-48-1	N.D.	1	6	1
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	1
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	1
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	1
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	1
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	1
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	1
10237	Ethylbenzene	100-41-4	N.D.	1	6	1
10237	Freon 113	76-13-1	N.D.	2	12	1
10237	2-Hexanone	591-78-6	N.D.	4	12	1
10237	Isopropylbenzene	98-82-8	N.D.	1	6	1
10237	Methyl Acetate	79-20-9	N.D.	2	6	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	1
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	12	1
10237	Methylcyclohexane	108-87-2	N.D.	1	6	1
10237	Methylene Chloride	75-09-2	N.D.	2	6	1
10237	Styrene	100-42-5	N.D.	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	1
10237	Tetrachloroethene	127-18-4	N.D.	1	6	1
10237	Toluene	108-88-3	N.D.	1	6	1
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	1
10237	Trichloroethene	79-01-6	N.D.	1	6	1
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	1
10237	Vinyl Chloride	75-01-4	N.D.	1	6	1
10237	Xylene (Total)	1330-20-7	N.D.	1	6	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6722

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	21	1
10727	Acenaphthylene	208-96-8	N.D.	4	21	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	21	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	81	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	21	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	21	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	21	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	21	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	21	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	81	200	1
10727	Di-n-butylphthalate	84-74-2	N.D.	81	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	81	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	40	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	21	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	21	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	81	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	81	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	600	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	81	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	81	210	1
10727	Fluoranthene	206-44-0	N.D.	4	21	1
10727	Fluorene	86-73-7	N.D.	4	21	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	21	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	600	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	21	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6722

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	21	1
10727	2-Methylphenol	95-48-7	N.D.	20	40	1
10727	4-Methylphenol	106-44-5	N.D.	20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	21	1
10727	2-Nitroaniline	88-74-4	N.D.	20	40	1
10727	3-Nitroaniline	99-09-2	N.D.	81	200	1
10727	4-Nitroaniline	100-01-6	N.D.	81	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	40	1
10727	2-Nitrophenol	88-75-5	N.D.	20	40	1
10727	4-Nitrophenol	100-02-7	N.D.	200	600	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	40	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	81	200	1
10727	Pentachlorophenol	87-86-5	N.D.	40	210	1
10727	Phenanthrene	85-01-8	N.D.	4	21	1
10727	Phenol	108-95-2	77	20	40	1
10727	Pyrene	129-00-0	N.D.	4	21	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:

Hexachlorocyclopentadiene

<b>Pesticides/PCBs</b>	<b>SW-846 8081A</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>		
10738	Aldrin	309-00-2	N.D.	0.21	1.0	1
10738	Alpha BHC	319-84-6	N.D.	0.21	1.0	1
10738	Beta BHC	319-85-7	N.D.	0.36	1.2	1
10738	Gamma BHC - Lindane	58-89-9	N.D.	0.21	1.0	1
10738	Alpha Chlordane	5103-71-9	N.D.	0.21	1.0	1
10738	Gamma Chlordane	5103-74-2	N.D.	0.21	1.0	1
10738	p,p-DDD	72-54-8	N.D.	0.40	2.1	1
10738	p,p-DDE	72-55-9	N.D.	0.40	2.1	1
10738	p,p-DDT	50-29-3	N.D.	0.42	2.1	1
10738	Delta BHC	319-86-8	N.D.	0.55	1.1	1
10738	Dieldrin	60-57-1	N.D.	0.40	2.1	1
10738	Endosulfan I	959-98-8	N.D.	0.27	1.0	1
10738	Endosulfan II	33213-65-9	N.D.	0.40	2.1	1
10738	Endosulfan Sulfate	1031-07-8	N.D.	0.40	2.1	1
10738	Endrin	72-20-8	N.D.	0.40	2.1	1
10738	Endrin Aldehyde	7421-93-4	N.D.	0.40	2.1	1
10738	Endrin Ketone	53494-70-5	N.D.	0.73	2.2	1
10738	Heptachlor	76-44-8	N.D.	0.21	1.0	1

\*=This limit was used in the evaluation of the final result



Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6722

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Pesticides/PCBs SW-846 8081A ug/kg</b>						
10738	Heptachlor Epoxide	1024-57-3	N.D.	0.21	1.0	1
10738	Methoxychlor	72-43-5	N.D.	2.1	8.1	1
10738	Toxaphene	8001-35-2	N.D.	17	40	1
<b>Pesticides/PCBs SW-846 8082 ug/kg</b>						
10736	PCB-1016	12674-11-2	N.D.	4.4	21	1
10736	PCB-1221	11104-28-2	N.D.	5.6	21	1
10736	PCB-1232	11141-16-5	N.D.	9.8	21	1
10736	PCB-1242	53469-21-9	N.D.	4.0	21	1
10736	PCB-1248	12672-29-6	N.D.	4.0	21	1
10736	PCB-1254	11097-69-1	N.D.	4.0	21	1
10736	PCB-1260	11096-82-5	N.D.	6.0	21	1
10736	Total PCBs	1336-36-3	N.D.	4.0	21	1
<b>GC Petroleum SW-846 8015B modified mg/kg</b>						
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.8	15	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.8	15	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.8	15	1
<b>Metals SW-846 6010B mg/kg</b>						
06944	Antimony	7440-36-0	N.D.	0.665	1.90	1
06935	Arsenic	7440-38-2	6.16	0.921	1.90	1
06946	Barium	7440-39-3	243	0.0313	0.475	1
06947	Beryllium	7440-41-7	0.533	0.0636	0.475	1
06949	Cadmium	7440-43-9	0.553	0.0465	0.475	1
06951	Chromium	7440-47-3	38.9	0.133	1.42	1
06952	Cobalt	7440-48-4	12.1	0.114	0.475	1
06953	Copper	7440-50-8	21.0	0.218	0.950	1
06955	Lead	7439-92-1	8.32	0.522	1.42	1
06960	Molybdenum	7439-98-7	2.36	0.161	0.950	1
06961	Nickel	7440-02-0	42.9	0.285	0.950	1
06936	Selenium	7782-49-2	2.11	0.855	1.90	1
06966	Silver	7440-22-4	0.244 J	0.142	0.475	1
06925	Thallium	7440-28-0	5.51	0.779	2.85	1
06971	Vanadium	7440-62-2	53.6	0.133	0.475	1
06972	Zinc	7440-66-6	58.1	0.646	1.90	1
<b>SW-846 7471A mg/kg</b>						
00159	Mercury	7439-97-6	0.0277 J	0.0119	0.119	1
<b>Wet Chemistry SM 2540 G-1997 %</b>						
00111	Moisture	n.a.	18.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS Stantec  
15575 Los Gatos Boulevard  
Submitted: 03/18/2017 10:10 Building C  
Reported: 04/17/2017 16:38 Los Gatos CA 95032

C6722

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 16:46	Angela D Sneeringer	1
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:30	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 03:52	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
10738	Pesticides in Soil (microwave)	SW-846 8081A	1	170810021A	03/31/2017 03:11	Anita M Dale	1
10736	PCBs in Soil (microwave)	SW-846 8082	1	170810030A	03/26/2017 00:45	Kirby B Turner	1
10496	PPL Pest. Microwave Extraction	SW-846 3546	1	170810021A	03/22/2017 18:30	Sally L Appleyard	1
10497	PCB Microwave Soil Extraction	SW-846 3550B modified	1	170810030A	03/23/2017 08:00	Kayla A Yuditsky	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 18:11	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:30	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890862  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6722

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017	19:30	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017	19:30	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017	19:30	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017	19:30	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017	19:30	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017	09:31	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017	23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017	02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17082820004B	03/23/2017	23:00	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890866  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6723

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	22	0.98
10237	Benzene	71-43-2	N.D.	0.5	5	0.98
10237	Bromodichloromethane	75-27-4	N.D.	1	5	0.98
10237	Bromoform	75-25-2	N.D.	1	5	0.98
10237	Bromomethane	74-83-9	N.D.	2	5	0.98
10237	2-Butanone	78-93-3	N.D.	4	11	0.98
10237	C6-C10-TPH-GRO	n.a.	N.D.	48	120	0.98
10237	Carbon Disulfide	75-15-0	N.D.	1	5	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	1	5	0.98
10237	Chlorobenzene	108-90-7	N.D.	1	5	0.98
10237	Chloroethane	75-00-3	N.D.	2	5	0.98
10237	Chloroform	67-66-3	N.D.	1	5	0.98
10237	Chloromethane	74-87-3	N.D.	2	5	0.98
10237	Cyclohexane	110-82-7	N.D.	1	5	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	0.98
10237	Dibromochloromethane	124-48-1	N.D.	1	5	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	1	5	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	0.98
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	5	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	1	5	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	1	5	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	1	5	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	1	5	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	0.98
10237	Ethylbenzene	100-41-4	N.D.	1	5	0.98
10237	Freon 113	76-13-1	N.D.	2	11	0.98
10237	2-Hexanone	591-78-6	N.D.	3	11	0.98
10237	Isopropylbenzene	98-82-8	N.D.	1	5	0.98
10237	Methyl Acetate	79-20-9	N.D.	2	5	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5	0.98
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.98
10237	Methylcyclohexane	108-87-2	N.D.	1	5	0.98
10237	Methylene Chloride	75-09-2	4	2	5	0.98
10237	Styrene	100-42-5	N.D.	1	5	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	0.98
10237	Tetrachloroethene	127-18-4	N.D.	1	5	0.98
10237	Toluene	108-88-3	N.D.	1	5	0.98
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	0.98
10237	Trichloroethene	79-01-6	N.D.	1	5	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	2	5	0.98
10237	Vinyl Chloride	75-01-4	N.D.	1	5	0.98
10237	Xylene (Total)	1330-20-7	N.D.	1	5	0.98

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890866  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6723

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	19	1
10727	Acenaphthylene	208-96-8	N.D.	4	19	1
10727	Acetophenone	98-86-2	N.D.	18	37	1
10727	Anthracene	120-12-7	N.D.	4	19	1
10727	Atrazine	1912-24-9	N.D.	37	180	1
10727	Benzaldehyde	100-52-7	N.D.	74	180	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	19	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	19	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	19	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	19	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	19	1
10727	1,1'-Biphenyl	92-52-4	N.D.	18	37	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	18	37	1
10727	Butylbenzylphthalate	85-68-7	N.D.	74	180	1
10727	Di-n-butylphthalate	84-74-2	N.D.	74	180	1
10727	Caprolactam	105-60-2	N.D.	37	180	1
10727	Carbazole	86-74-8	N.D.	18	37	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	18	37	1
10727	4-Chloroaniline	106-47-8	N.D.	37	74	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	18	37	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	18	37	1
10727	2-Chloronaphthalene	91-58-7	N.D.	7	37	1
10727	2-Chlorophenol	95-57-8	N.D.	18	37	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	18	37	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	19	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	19	1
10727	Dibenzofuran	132-64-9	N.D.	18	37	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	110	370	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	18	37	1
10727	Diethylphthalate	84-66-2	N.D.	74	180	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	18	37	1
10727	Dimethylphthalate	131-11-3	N.D.	74	180	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	180	550	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	330	1,100	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	74	180	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	18	37	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	74	190	1
10727	Fluoranthene	206-44-0	N.D.	4	19	1
10727	Fluorene	86-73-7	N.D.	4	19	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	19	1
10727	Hexachlorobutadiene	87-68-3	N.D.	18	37	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	180	550	1
10727	Hexachloroethane	67-72-1	N.D.	37	180	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	19	1
10727	Isophorone	78-59-1	N.D.	18	37	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890866  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6723

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	19	1
10727	2-Methylphenol	95-48-7	N.D.	18	37	1
10727	4-Methylphenol	106-44-5	N.D.	18	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	19	1
10727	2-Nitroaniline	88-74-4	N.D.	18	37	1
10727	3-Nitroaniline	99-09-2	N.D.	74	180	1
10727	4-Nitroaniline	100-01-6	N.D.	74	180	1
10727	Nitrobenzene	98-95-3	N.D.	18	37	1
10727	2-Nitrophenol	88-75-5	N.D.	18	37	1
10727	4-Nitrophenol	100-02-7	N.D.	180	550	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	18	37	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	18	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	74	180	1
10727	Pentachlorophenol	87-86-5	N.D.	37	190	1
10727	Phenanthrene	85-01-8	N.D.	4	19	1
10727	Phenol	108-95-2	N.D.	18	37	1
10727	Pyrene	129-00-0	N.D.	4	19	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	18	37	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	18	37	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:

Hexachlorocyclopentadiene

<b>GC Petroleum</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
<b>Hydrocarbons w/Si</b>						
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.4	13	1
00071	Total TPH w/Si Gel	n.a.	N.D.	4.4	13	1
<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06944	Antimony	7440-36-0	1.01 J	0.623	1.78	1
06935	Arsenic	7440-38-2	5.42	0.863	1.78	1
06946	Barium	7440-39-3	167	0.0294	0.445	1
06947	Beryllium	7440-41-7	0.516	0.0596	0.445	1
06949	Cadmium	7440-43-9	0.438 J	0.0436	0.445	1
06951	Chromium	7440-47-3	56.4	0.125	1.33	1
06952	Cobalt	7440-48-4	8.69	0.107	0.445	1
06953	Copper	7440-50-8	21.7	0.205	0.890	1
06955	Lead	7439-92-1	5.14	0.489	1.33	1
06960	Molybdenum	7439-98-7	2.65	0.151	0.890	1
06961	Nickel	7440-02-0	36.0	0.267	0.890	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890866  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:56 by SS

Stantec  
15575 Los Gatos Boulevard  
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Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6723

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	2.51	0.801	1.78	1
06966	Silver	7440-22-4	0.144 J	0.133	0.445	1
06925	Thallium	7440-28-0	8.88	0.730	2.67	1
06971	Vanadium	7440-62-2	61.9	0.125	0.445	1
06972	Zinc	7440-66-6	57.1	0.605	1.78	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0272 J	0.0105	0.105	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	10.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 18:40	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
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06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 12:59	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 04:17	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
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11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06935	Arsenic	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06946	Barium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-30 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890866  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:56 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6723

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06960	Molybdenum	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06936	Selenium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06925	Thallium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010B	1	170825708001	03/26/2017 19:34	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471A	1	170825711001	03/24/2017 09:34	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170825708001	03/23/2017 23:45	Denise L Trimby	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170825711001	03/24/2017 02:30	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890870  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6724

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	8	23	0.95
10237	Benzene	71-43-2	N.D.	0.6	6	0.95
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.95
10237	Bromoform	75-25-2	N.D.	1	6	0.95
10237	Bromomethane	74-83-9	N.D.	2	6	0.95
10237	2-Butanone	78-93-3	N.D.	5	11	0.95
10237	C6-C10-TPH-GRO	n.a.	N.D.	50	130	0.95
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.95
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.95
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.95
10237	Chloroethane	75-00-3	N.D.	2	6	0.95
10237	Chloroform	67-66-3	N.D.	1	6	0.95
10237	Chloromethane	74-87-3	N.D.	2	6	0.95
10237	Cyclohexane	110-82-7	N.D.	1	6	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	6	0.95
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.95
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.95
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.95
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.95
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.95
10237	Dichlorodifluoromethane	75-71-8	N.D.	2	6	0.95
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.95
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.95
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.95
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.95
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.95
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.95
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.95
10237	Freon 113	76-13-1	N.D.	2	11	0.95
10237	2-Hexanone	591-78-6	N.D.	3	11	0.95
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.95
10237	Methyl Acetate	79-20-9	N.D.	2	6	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.95
10237	4-Methyl-2-pentanone	108-10-1	N.D.	3	11	0.95
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.95
10237	Methylene Chloride	75-09-2	5	2	6	0.95
10237	Styrene	100-42-5	N.D.	1	6	0.95
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.95
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.95
10237	Toluene	108-88-3	N.D.	1	6	0.95
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.95
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.95
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.95
10237	Trichloroethene	79-01-6	N.D.	1	6	0.95
10237	Trichlorofluoromethane	75-69-4	N.D.	2	6	0.95
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.95
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.95

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890870  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6724

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	N.D.	4	20	1
10727	Acenaphthylene	208-96-8	N.D.	4	20	1
10727	Acetophenone	98-86-2	N.D.	20	40	1
10727	Anthracene	120-12-7	N.D.	4	20	1
10727	Atrazine	1912-24-9	N.D.	40	200	1
10727	Benzaldehyde	100-52-7	N.D.	80	200	1
10727	Benzo(a)anthracene	56-55-3	N.D.	4	20	1
10727	Benzo(a)pyrene	50-32-8	N.D.	4	20	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	20	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	20	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	20	1
10727	1,1'-Biphenyl	92-52-4	N.D.	20	40	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	20	40	1
10727	Butylbenzylphthalate	85-68-7	N.D.	80	200	1
10727	Di-n-butylphthalate	84-74-2	350	80	200	1
10727	Caprolactam	105-60-2	N.D.	40	200	1
10727	Carbazole	86-74-8	N.D.	20	40	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	20	40	1
10727	4-Chloroaniline	106-47-8	N.D.	40	80	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20	40	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	20	40	1
10727	2-Chloronaphthalene	91-58-7	N.D.	8	39	1
10727	2-Chlorophenol	95-57-8	N.D.	20	40	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20	40	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	N.D.	4	20	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	20	1
10727	Dibenzofuran	132-64-9	N.D.	20	40	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	120	400	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	20	40	1
10727	Diethylphthalate	84-66-2	N.D.	80	200	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	20	40	1
10727	Dimethylphthalate	131-11-3	N.D.	80	200	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	200	600	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	360	1,200	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	80	200	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	20	40	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	80	200	1
10727	Fluoranthene	206-44-0	N.D.	4	20	1
10727	Fluorene	86-73-7	N.D.	4	20	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	20	1
10727	Hexachlorobutadiene	87-68-3	N.D.	20	40	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	200	600	1
10727	Hexachloroethane	67-72-1	N.D.	40	200	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	20	1
10727	Isophorone	78-59-1	N.D.	20	40	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890870  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6724

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	N.D.	4	20	1
10727	2-Methylphenol	95-48-7	N.D.	20	40	1
10727	4-Methylphenol	106-44-5	N.D.	20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	N.D.	4	20	1
10727	2-Nitroaniline	88-74-4	N.D.	20	40	1
10727	3-Nitroaniline	99-09-2	N.D.	80	200	1
10727	4-Nitroaniline	100-01-6	N.D.	80	200	1
10727	Nitrobenzene	98-95-3	N.D.	20	40	1
10727	2-Nitrophenol	88-75-5	N.D.	20	40	1
10727	4-Nitrophenol	100-02-7	N.D.	200	600	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20	40	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	20	40	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	80	200	1
10727	Pentachlorophenol	87-86-5	N.D.	40	200	1
10727	Phenanthrene	85-01-8	N.D.	4	20	1
10727	Phenol	108-95-2	28 J	20	40	1
10727	Pyrene	129-00-0	N.D.	4	20	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	20	40	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	20	40	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>		<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
<b>Hydrocarbons w/Si</b>					
00071	C13-C22 w/Si Gel	n.a.	N.D.	4.8	14
00071	C23-C40 w/Si Gel	n.a.	N.D.	4.8	14
00071	Total TPH w/Si Gel	n.a.	N.D.	4.8	14

<b>Metals</b>		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
06944	Antimony	7440-36-0	1.52 J	0.696	1.99
06935	Arsenic	7440-38-2	6.12	0.965	1.99
06946	Barium	7440-39-3	116	0.0328	0.497
06947	Beryllium	7440-41-7	0.540	0.0666	0.497
06949	Cadmium	7440-43-9	0.332 J	0.0487	0.497
06951	Chromium	7440-47-3	72.0	0.139	1.49
06952	Cobalt	7440-48-4	10.5	0.119	0.497
06953	Copper	7440-50-8	6.05	0.229	0.995
06955	Lead	7439-92-1	5.17	0.547	1.49
06960	Molybdenum	7439-98-7	1.50	0.169	0.995
06961	Nickel	7440-02-0	42.0	0.298	0.995

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890870  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6724

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	2.75	0.895	1.99	1
06966	Silver	7440-22-4	0.576	0.149	0.497	1
06925	Thallium	7440-28-0	4.27	0.816	2.98	1
06971	Vanadium	7440-62-2	76.2	0.139	0.497	1
06972	Zinc	7440-66-6	73.4	0.676	1.99	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0378 J	0.0113	0.113	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	16.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 20:50	Patrick T Herres	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 13:03	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 04:42	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 20:20	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-35 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890870  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:06 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6724

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 02:48	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:52	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890874  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6725

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10237	Acetone	67-64-1	N.D.	9	25	0.96
10237	Benzene	71-43-2	N.D.	0.6	6	0.96
10237	Bromodichloromethane	75-27-4	N.D.	1	6	0.96
10237	Bromoform	75-25-2	N.D.	1	6	0.96
10237	Bromomethane	74-83-9	N.D.	3	6	0.96
10237	2-Butanone	78-93-3	N.D.	5	13	0.96
10237	C6-C10-TPH-GRO	n.a.	N.D.	56	140	0.96
10237	Carbon Disulfide	75-15-0	N.D.	1	6	0.96
10237	Carbon Tetrachloride	56-23-5	N.D.	1	6	0.96
10237	Chlorobenzene	108-90-7	N.D.	1	6	0.96
10237	Chloroethane	75-00-3	N.D.	3	6	0.96
10237	Chloroform	67-66-3	N.D.	1	6	0.96
10237	Chloromethane	74-87-3	N.D.	3	6	0.96
10237	Cyclohexane	110-82-7	N.D.	1	6	0.96
10237	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	3	6	0.96
10237	Dibromochloromethane	124-48-1	N.D.	1	6	0.96
10237	1,2-Dibromoethane	106-93-4	N.D.	1	6	0.96
10237	1,2-Dichlorobenzene	95-50-1	N.D.	1	6	0.96
10237	1,3-Dichlorobenzene	541-73-1	N.D.	1	6	0.96
10237	1,4-Dichlorobenzene	106-46-7	N.D.	1	6	0.96
10237	Dichlorodifluoromethane	75-71-8	N.D.	3	6	0.96
10237	1,1-Dichloroethane	75-34-3	N.D.	1	6	0.96
10237	1,2-Dichloroethane	107-06-2	N.D.	1	6	0.96
10237	1,1-Dichloroethene	75-35-4	N.D.	1	6	0.96
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	1	6	0.96
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	1	6	0.96
10237	1,2-Dichloropropane	78-87-5	N.D.	1	6	0.96
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	6	0.96
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	6	0.96
10237	Ethylbenzene	100-41-4	N.D.	1	6	0.96
10237	Freon 113	76-13-1	N.D.	3	13	0.96
10237	2-Hexanone	591-78-6	N.D.	4	13	0.96
10237	Isopropylbenzene	98-82-8	N.D.	1	6	0.96
10237	Methyl Acetate	79-20-9	N.D.	3	6	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.6	6	0.96
10237	4-Methyl-2-pentanone	108-10-1	N.D.	4	13	0.96
10237	Methylcyclohexane	108-87-2	N.D.	1	6	0.96
10237	Methylene Chloride	75-09-2	N.D.	3	6	0.96
10237	Styrene	100-42-5	N.D.	1	6	0.96
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	6	0.96
10237	Tetrachloroethene	127-18-4	N.D.	1	6	0.96
10237	Toluene	108-88-3	N.D.	1	6	0.96
10237	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	6	0.96
10237	1,1,1-Trichloroethane	71-55-6	N.D.	1	6	0.96
10237	1,1,2-Trichloroethane	79-00-5	N.D.	1	6	0.96
10237	Trichloroethene	79-01-6	N.D.	1	6	0.96
10237	Trichlorofluoromethane	75-69-4	N.D.	3	6	0.96
10237	Vinyl Chloride	75-01-4	N.D.	1	6	0.96
10237	Xylene (Total)	1330-20-7	N.D.	1	6	0.96

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890874  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6725

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	Acenaphthene	83-32-9	44	4	22	1
10727	Acenaphthylene	208-96-8	7	J	4	1
10727	Acetophenone	98-86-2	N.D.	22	44	1
10727	Anthracene	120-12-7	39	4	22	1
10727	Atrazine	1912-24-9	N.D.	44	220	1
10727	Benzaldehyde	100-52-7	N.D.	87	220	1
10727	Benzo(a)anthracene	56-55-3	5	J	4	1
10727	Benzo(a)pyrene	50-32-8	5	J	4	1
10727	Benzo(b)fluoranthene	205-99-2	N.D.	4	22	1
10727	Benzo(g,h,i)perylene	191-24-2	N.D.	4	22	1
10727	Benzo(k)fluoranthene	207-08-9	N.D.	4	22	1
10727	1,1'-Biphenyl	92-52-4	N.D.	22	44	1
10727	4-Bromophenyl-phenylether	101-55-3	N.D.	22	44	1
10727	Butylbenzylphthalate	85-68-7	N.D.	87	220	1
10727	Di-n-butylphthalate	84-74-2	N.D.	87	220	1
10727	Caprolactam	105-60-2	N.D.	44	220	1
10727	Carbazole	86-74-8	N.D.	22	44	1
10727	4-Chloro-3-methylphenol	59-50-7	N.D.	22	44	1
10727	4-Chloroaniline	106-47-8	N.D.	44	87	1
10727	bis(2-Chloroethoxy)methane	111-91-1	N.D.	22	44	1
10727	bis(2-Chloroethyl)ether	111-44-4	N.D.	22	44	1
10727	2-Chloronaphthalene	91-58-7	N.D.	9	43	1
10727	2-Chlorophenol	95-57-8	N.D.	22	44	1
10727	4-Chlorophenyl-phenylether	7005-72-3	N.D.	22	44	1
10727	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	22	44	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10727	Chrysene	218-01-9	6	J	4	1
10727	Dibenz(a,h)anthracene	53-70-3	N.D.	4	22	1
10727	Dibenzofuran	132-64-9	52	22	44	1
10727	3,3'-Dichlorobenzidine	91-94-1	N.D.	130	440	1
10727	2,4-Dichlorophenol	120-83-2	N.D.	22	44	1
10727	Diethylphthalate	84-66-2	N.D.	87	220	1
10727	2,4-Dimethylphenol	105-67-9	N.D.	22	44	1
10727	Dimethylphthalate	131-11-3	N.D.	87	220	1
10727	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	220	650	1
10727	2,4-Dinitrophenol	51-28-5	N.D.	390	1,300	1
10727	2,4-Dinitrotoluene	121-14-2	N.D.	87	220	1
10727	2,6-Dinitrotoluene	606-20-2	N.D.	22	44	1
10727	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	87	220	1
10727	Fluoranthene	206-44-0	20	J	4	1
10727	Fluorene	86-73-7	36	4	22	1
10727	Hexachlorobenzene	118-74-1	N.D.	4	22	1
10727	Hexachlorobutadiene	87-68-3	N.D.	22	44	1
10727	Hexachlorocyclopentadiene	77-47-4	N.D.	220	650	1
10727	Hexachloroethane	67-72-1	N.D.	44	220	1
10727	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4	22	1
10727	Isophorone	78-59-1	N.D.	22	44	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890874  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6725

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Semivolatiles</b>	<b>SW-846 8270C</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/kg</b>	
10727	2-Methylnaphthalene	91-57-6	110	4	22	1
10727	2-Methylphenol	95-48-7	N.D.	22	44	1
10727	4-Methylphenol	106-44-5	N.D.	22	44	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10727	Naphthalene	91-20-3	2,600	4	22	1
10727	2-Nitroaniline	88-74-4	N.D.	22	44	1
10727	3-Nitroaniline	99-09-2	N.D.	87	220	1
10727	4-Nitroaniline	100-01-6	N.D.	87	220	1
10727	Nitrobenzene	98-95-3	N.D.	22	44	1
10727	2-Nitrophenol	88-75-5	N.D.	22	44	1
10727	4-Nitrophenol	100-02-7	N.D.	220	650	1
10727	N-Nitroso-di-n-propylamine	621-64-7	N.D.	22	44	1
10727	N-Nitrosodiphenylamine	86-30-6	N.D.	22	44	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10727	Di-n-octylphthalate	117-84-0	N.D.	87	220	1
10727	Pentachlorophenol	87-86-5	N.D.	44	220	1
10727	Phenanthrene	85-01-8	78	4	22	1
10727	Phenol	108-95-2	48	22	44	1
10727	Pyrene	129-00-0	22 J	4	22	1
10727	2,4,5-Trichlorophenol	95-95-4	N.D.	22	44	1
10727	2,4,6-Trichlorophenol	88-06-2	N.D.	22	44	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD Standards. The following analytes are accepted based on this allowance:  
Hexachlorocyclopentadiene

<b>GC Petroleum</b>	<b>SW-846 8015B modified</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
<b>Hydrocarbons w/Si</b>				
00071	C13-C22 w/Si Gel	n.a.	N.D.	5.2
00071	C23-C40 w/Si Gel	n.a.	N.D.	5.2
00071	Total TPH w/Si Gel	n.a.	N.D.	5.2

<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
06944	Antimony	7440-36-0	1.50 J	0.772
06935	Arsenic	7440-38-2	8.74	1.07
06946	Barium	7440-39-3	201	0.0364
06947	Beryllium	7440-41-7	1.01	0.0739
06949	Cadmium	7440-43-9	0.162 J	0.0540
06951	Chromium	7440-47-3	60.1	0.154
06952	Cobalt	7440-48-4	11.3	0.132
06953	Copper	7440-50-8	29.2	0.254
06955	Lead	7439-92-1	10.2	0.606
06960	Molybdenum	7439-98-7	2.01	0.187
06961	Nickel	7440-02-0	41.9	0.331

\*=This limit was used in the evaluation of the final result



REVISED

Sample Description: C7-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890874  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6725

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
<b>Metals</b>						
		<b>SW-846 6010B</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
06936	Selenium	7782-49-2	2.97	0.992	2.20	1
06966	Silver	7440-22-4	0.672	0.165	0.551	1
06925	Thallium	7440-28-0	3.79	0.904	3.31	1
06971	Vanadium	7440-62-2	76.9	0.154	0.551	1
06972	Zinc	7440-66-6	99.7	0.750	2.20	1
		<b>SW-846 7471A</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	
00159	Mercury	7439-97-6	0.0629 J	0.0124	0.124	1
<b>Wet Chemistry</b>						
		<b>SM 2540 G-1997</b>	<b>%</b>	<b>%</b>	<b>%</b>	
00111	Moisture	n.a.	24.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

### Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B170821AA	03/23/2017 19:25	Angela D Sneeringer	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	1	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5030A	2	201708044697	03/21/2017 14:51	Katelyn C Shober	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201708044697	03/21/2017 13:07	Katelyn C Shober	n.a.
10727	TCL 8270 (microwave)	SW-846 8270C	1	17081SLD026	03/24/2017 05:59	Edward C Monborne	1
10809	BNA Soil Microwave	SW-846 3546	1	17081SLD026	03/23/2017 08:00	Joshua Ruth	1
00071	DRO/ORO soil w/Si Gel	SW-846 8015B modified	1	170810034A	03/29/2017 20:42	Timothy M Emrick	1
11209	DRO/ORO Soils Extraction	SW-846 3550B	1	170810034A	03/23/2017 09:00	Michelle A Newswanger	1
06944	Antimony	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06935	Arsenic	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06946	Barium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06947	Beryllium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-40 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890874  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6725

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06951	Chromium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06952	Cobalt	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06953	Copper	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06955	Lead	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06960	Molybdenum	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06961	Nickel	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06936	Selenium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06966	Silver	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06925	Thallium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06971	Vanadium	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
06972	Zinc	SW-846 6010B	1	170865708001	03/28/2017 03:38	Matthew R Machtinger	1
00159	Mercury	SW-846 7471A	1	170865711001	03/28/2017 06:55	Damary Valentin	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	170865708001	03/27/2017 16:15	JoElla L Rice	1
05711	Hg-SW, 7471A - U3	SW-846 7471A	1	170865711001	03/27/2017 18:00	JoElla L Rice	1
00111	Moisture	SM 2540 G-1997	1	17081820006A	03/23/2017 00:55	Scott W Freisher	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-40 Soil  
TCLP NVE  
City of Palo Alto: Lots C-6 & C-7

LL Sample # TL 8890875  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:10 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C	ug/l	ug/l	ug/l	
14249	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
14249	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14249	Anthracene	120-12-7	N.D.	0.1	0.5	1
14249	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14249	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14249	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14249	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14249	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14249	Chrysene	218-01-9	N.D.	0.1	0.5	1
14249	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14249	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14249	Fluorene	86-73-7	N.D.	0.1	0.5	1
14249	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14249	Naphthalene	91-20-3	0.1 J	0.1	0.5	1
14249	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14249	Pyrene	129-00-0	N.D.	0.1	0.5	1

### Sample Comments

CA ELAP Lab Certification No. 2792

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14249	PAHs 8270C MINI	SW-846 8270C	1	17096WAT026	04/09/2017 02:58	Brandon H Smith	1
07807	BNA Water Extraction	SW-846 3510C	2	17096WAT026	04/07/2017 08:00	Oswaldo Sanchez	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	17093-9169-947	04/03/2017 17:25	Craig S Pfautz	n.a.

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890878  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10  
Reported: 04/17/2017 16:38

C6726

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Acetone	67-64-1	N.D.	6	20	1
10335	Benzene	71-43-2	N.D.	0.5	1	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
10335	Bromoform	75-25-2	N.D.	0.5	4	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	3	10	1
10335	C6-C10-TPH-GRO	n.a.	N.D.	22	50	1
10335	Carbon Disulfide	75-15-0	N.D.	1	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1	1
10335	Chloroethane	75-00-3	N.D.	0.5	1	1
10335	Chloroform	67-66-3	N.D.	0.5	1	1
10335	Chloromethane	74-87-3	N.D.	0.5	1	1
10335	Cyclohexane	110-82-7	N.D.	2	5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10335	Freon 113	76-13-1	N.D.	2	10	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Isopropylbenzene	98-82-8	N.D.	1	5	1
10335	Methyl Acetate	79-20-9	N.D.	1	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
10335	Methylcyclohexane	108-87-2	N.D.	1	5	1
10335	Methylene Chloride	75-09-2	N.D.	2	4	1
10335	Styrene	100-42-5	N.D.	1	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
10335	Toluene	108-88-3	N.D.	0.5	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

\*=This limit was used in the evaluation of the final result

REVISED

Sample Description: C7-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890878  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6726

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum</b>						
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
<b>Hydrocarbons w/Si</b>						
12917	DRO C10-C28 w/ SiGel	n.a.	N.D.	45	100	1
12917	ORO >C28-C35 w/ SiGel	n.a.	N.D.	45	100	1
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the sample surrogate is compliant. Both trials are reported.						
<b>Metals</b>						
	<b>SW-846 6010B</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07044	Antimony	7440-36-0	N.D.	0.0077	0.0200	1
07035	Arsenic	7440-38-2	0.0122 J	0.0097	0.0200	1
07046	Barium	7440-39-3	0.203	0.0011	0.0050	1
07047	Beryllium	7440-41-7	N.D.	0.00067	0.0050	1
07049	Cadmium	7440-43-9	0.00077 J	0.00049	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0018	0.0150	1
07052	Cobalt	7440-48-4	0.0096	0.0019	0.0050	1
07053	Copper	7440-50-8	0.0065 J	0.0041	0.0100	1
07055	Lead	7439-92-1	N.D.	0.0062	0.0150	1
07060	Molybdenum	7439-98-7	0.0496	0.0017	0.0100	1
07061	Nickel	7440-02-0	0.0224	0.0028	0.0100	1
07036	Selenium	7782-49-2	0.0103 J	0.0097	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0019	0.0050	1
07022	Thallium	7440-28-0	N.D.	0.0094	0.0300	1
07071	Vanadium	7440-62-2	N.D.	0.0016	0.0050	1
07072	Zinc	7440-66-6	N.D.	0.0054	0.0200	1
	<b>SW-846 7470A</b>		<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1

**Sample Comments**

CA ELAP Lab Certification No. 2792  
CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	W170861AA	03/27/2017 15:34	Nicole S Lamoreaux	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W170861AA	03/27/2017 15:34	Nicole S Lamoreaux	1

\*=This limit was used in the evaluation of the final result

Sample Description: C7-4-W Water  
City of Palo Alto: Lots C-6 & C-7

LL Sample # WW 8890878  
LL Group # 1778236  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 12:20 by SS

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Submitted: 03/18/2017 10:10

Reported: 04/17/2017 16:38

C6726

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12917	DRO/DX Mini-Ext, Column SiGel	SW-846 8015B	1	170790047A	03/30/2017 23:22	Amy Lehr	1
12923	Mini-Ext. DRO, Column SiGel	SW-846 3510C	1	170790047A	03/21/2017 08:00	Osvaldo Sanchez	1
07044	Antimony	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010B	1	170861848001	03/30/2017 19:21	Cindy M Gehman	1
07055	Lead	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07060	Molybdenum	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010B	1	170861848001	03/28/2017 20:01	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	170865713002	03/28/2017 07:01	Damary Valentin	1
01848	ICP-WW, 3005A (tot rec) - U3	SW-846 3005A	1	170861848001	03/27/2017 16:40	Barbara A Kane	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	170865713002	03/27/2017 17:45	Barbara A Kane	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL** ug/kg	LOQ ug/kg
Batch number: B170812AA	Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816, 8890821, 8890825		
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	N.D.	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	N.D.	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	1	5
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	N.D.	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
Batch number: B170821AA			
Sample number(s):			
8890829,8890833,8890837,8890841,8890845,8890850,8890854,8890858,8890862,8890866,8890870,8890874			
Acetone	N.D.	7	20
Benzene	N.D.	0.5	5
Bromodichloromethane	N.D.	1	5
Bromoform	N.D.	1	5
Bromomethane	N.D.	2	5
2-Butanone	N.D.	4	10
C6-C10-TPH-GRO	N.D.	44	110
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	1	5
Chlorobenzene	N.D.	1	5
Chloroethane	N.D.	2	5
Chloroform	N.D.	1	5
Chloromethane	N.D.	2	5
Cyclohexane	N.D.	1	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	1	5
1,2-Dibromoethane	N.D.	1	5
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	2	5
1,1-Dichloroethane	N.D.	1	5
1,2-Dichloroethane	N.D.	1	5
1,1-Dichloroethene	N.D.	1	5
cis-1,2-Dichloroethene	N.D.	1	5
trans-1,2-Dichloroethene	N.D.	1	5
1,2-Dichloropropane	N.D.	1	5
cis-1,3-Dichloropropene	N.D.	1	5
trans-1,3-Dichloropropene	N.D.	1	5
Ethylbenzene	N.D.	1	5
Freon 113	N.D.	2	10
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	2	5

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Methyl Tertiary Butyl Ether	N.D.	0.5	5
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	5
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	1	5
Tetrachloroethene	N.D.	1	5
Toluene	N.D.	1	5
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	1	5
1,1,2-Trichloroethane	N.D.	1	5
Trichloroethene	N.D.	1	5
Trichlorofluoromethane	N.D.	2	5
Vinyl Chloride	N.D.	1	5
Xylene (Total)	N.D.	1	5
	ug/l	ug/l	ug/l
Batch number: W170861AA	Sample number(s): 8890820,8890849,8890878		
Acetone	N.D.	6	20
Benzene	N.D.	0.5	1
Bromodichloromethane	N.D.	0.5	1
Bromoform	N.D.	0.5	4
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	3	10
C6-C10-TPH-GRO	N.D.	22	50
Carbon Disulfide	N.D.	1	5
Carbon Tetrachloride	N.D.	0.5	1
Chlorobenzene	N.D.	0.5	1
Chloroethane	N.D.	0.5	1
Chloroform	N.D.	0.5	1
Chloromethane	N.D.	0.5	1
Cyclohexane	N.D.	2	5
1,2-Dibromo-3-chloropropane	N.D.	2	5
Dibromochloromethane	N.D.	0.5	1
1,2-Dibromoethane	N.D.	0.5	1
1,2-Dichlorobenzene	N.D.	1	5
1,3-Dichlorobenzene	N.D.	1	5
1,4-Dichlorobenzene	N.D.	1	5
Dichlorodifluoromethane	N.D.	0.5	1
1,1-Dichloroethane	N.D.	0.5	1
1,2-Dichloroethane	N.D.	0.5	1
1,1-Dichloroethene	N.D.	0.5	1
cis-1,2-Dichloroethene	N.D.	0.5	1
trans-1,2-Dichloroethene	N.D.	0.5	1
1,2-Dichloropropane	N.D.	0.5	1
cis-1,3-Dichloropropene	N.D.	0.5	1
trans-1,3-Dichloropropene	N.D.	0.5	1
Ethylbenzene	N.D.	0.5	1
Freon 113	N.D.	2	10

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
2-Hexanone	N.D.	3	10
Isopropylbenzene	N.D.	1	5
Methyl Acetate	N.D.	1	5
Methyl Tertiary Butyl Ether	N.D.	0.5	1
4-Methyl-2-pentanone	N.D.	3	10
Methylcyclohexane	N.D.	1	5
Methylene Chloride	N.D.	2	4
Styrene	N.D.	1	5
1,1,2,2-Tetrachloroethane	N.D.	0.5	1
Tetrachloroethene	N.D.	0.5	1
Toluene	N.D.	0.5	1
1,2,4-Trichlorobenzene	N.D.	1	5
1,1,1-Trichloroethane	N.D.	0.5	1
1,1,2-Trichloroethane	N.D.	0.5	1
Trichloroethene	N.D.	0.5	1
Trichlorofluoromethane	N.D.	0.5	1
Vinyl Chloride	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
	ug/kg	ug/kg	ug/kg
Batch number: 17081SLC026	Sample number (s): 8890784, 8890788, 8890792, 8890796		
Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo(a)anthracene	N.D.	3	17
Benzo(a)pyrene	N.D.	3	17
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl)ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17
Dibenz(a,h)anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl)phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno(1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33
2,4,6-Trichlorophenol	N.D.	17	33
Batch number: 17081SLD026	Sample number(s):		
	8890800, 8890804, 8890808, 8890812, 8890816, 8890821, 8890825, 8890829, 8890833, 8890837, 8890841		
	, 8890845, 8890850, 8890854, 8890858, 8890862, 8890866, 8890870, 8890874		
Acenaphthene	N.D.	3	17
Acenaphthylene	N.D.	3	17
Acetophenone	N.D.	17	33
Anthracene	N.D.	3	17
Atrazine	N.D.	33	170
Benzaldehyde	N.D.	67	170
Benzo(a)anthracene	N.D.	3	17
Benzo(a)pyrene	N.D.	3	17

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	N.D.	3	17
Benzo(g,h,i)perylene	N.D.	3	17
Benzo(k)fluoranthene	N.D.	3	17
1,1'-Biphenyl	N.D.	17	33
4-Bromophenyl-phenylether	N.D.	17	33
Butylbenzylphthalate	N.D.	67	170
Di-n-butylphthalate	N.D.	67	170
Caprolactam	N.D.	33	170
Carbazole	N.D.	17	33
4-Chloro-3-methylphenol	N.D.	17	33
4-Chloroaniline	N.D.	33	67
bis(2-Chloroethoxy)methane	N.D.	17	33
bis(2-Chloroethyl)ether	N.D.	17	33
2-Chloronaphthalene	N.D.	7	33
2-Chlorophenol	N.D.	17	33
4-Chlorophenyl-phenylether	N.D.	17	33
2,2'-oxybis(1-Chloropropane)	N.D.	17	33
Chrysene	N.D.	3	17
Dibenz(a,h)anthracene	N.D.	3	17
Dibenzofuran	N.D.	17	33
3,3'-Dichlorobenzidine	N.D.	100	330
2,4-Dichlorophenol	N.D.	17	33
Diethylphthalate	N.D.	67	170
2,4-Dimethylphenol	N.D.	17	33
Dimethylphthalate	N.D.	67	170
4,6-Dinitro-2-methylphenol	N.D.	170	500
2,4-Dinitrophenol	N.D.	300	1,000
2,4-Dinitrotoluene	N.D.	67	170
2,6-Dinitrotoluene	N.D.	17	33
bis(2-Ethylhexyl)phthalate	N.D.	67	170
Fluoranthene	N.D.	3	17
Fluorene	N.D.	3	17
Hexachlorobenzene	N.D.	3	17
Hexachlorobutadiene	N.D.	17	33
Hexachlorocyclopentadiene	N.D.	170	500
Hexachloroethane	N.D.	33	170
Indeno(1,2,3-cd)pyrene	N.D.	3	17
Isophorone	N.D.	17	33
2-Methylnaphthalene	N.D.	3	17
2-Methylphenol	N.D.	17	33
4-Methylphenol	N.D.	17	33
Naphthalene	N.D.	3	17
2-Nitroaniline	N.D.	17	33
3-Nitroaniline	N.D.	67	170
4-Nitroaniline	N.D.	67	170
Nitrobenzene	N.D.	17	33
2-Nitrophenol	N.D.	17	33
4-Nitrophenol	N.D.	170	500
N-Nitroso-di-n-propylamine	N.D.	17	33

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
N-Nitrosodiphenylamine	N.D.	17	33
Di-n-octylphthalate	N.D.	67	170
Pentachlorophenol	N.D.	33	170
Phenanthrene	N.D.	3	17
Phenol	N.D.	17	33
Pyrene	N.D.	3	17
2,4,5-Trichlorophenol	N.D.	17	33
2,4,6-Trichlorophenol	N.D.	17	33
	ug/l	ug/l	ug/l
Batch number: 17096WAT026	Sample number(s): 8890875		
Acenaphthene	N.D.	0.1	0.5
Acenaphthylene	N.D.	0.1	0.5
Anthracene	N.D.	0.1	0.5
Benzo(a)anthracene	N.D.	0.1	0.5
Benzo(a)pyrene	N.D.	0.1	0.5
Benzo(b)fluoranthene	N.D.	0.1	0.5
Benzo(g,h,i)perylene	N.D.	0.1	0.5
Benzo(k)fluoranthene	N.D.	0.1	0.5
Chrysene	N.D.	0.1	0.5
Dibenz(a,h)anthracene	N.D.	0.1	0.5
Fluoranthene	N.D.	0.1	0.5
Fluorene	N.D.	0.1	0.5
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5
Naphthalene	N.D.	0.1	0.5
Phenanthrene	N.D.	0.1	0.5
Pyrene	N.D.	0.1	0.5
	ug/kg	ug/kg	ug/kg
Batch number: 170790038A	Sample number(s): 8890784, 8890788, 8890796		
PCB-1016	N.D.	3.6	17
PCB-1221	N.D.	4.6	17
PCB-1232	N.D.	8.0	17
PCB-1242	N.D.	3.3	17
PCB-1248	N.D.	3.3	17
PCB-1254	N.D.	3.3	17
PCB-1260	N.D.	4.9	17
Total PCBs	N.D.	3.3	17
Batch number: 170810021A	Sample number(s): 8890784, 8890788, 8890796, 8890804, 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862		
Aldrin	N.D.	0.17	0.83
Alpha BHC	N.D.	0.17	0.83
Beta BHC	N.D.	0.30	1.0
Gamma BHC - Lindane	N.D.	0.17	0.83
Alpha Chlordane	N.D.	0.17	0.83
Gamma Chlordane	N.D.	0.17	0.83
p,p-DDD	N.D.	0.33	1.7

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/kg	ug/kg	ug/kg
p,p-DDE	N.D.	0.33	1.7
p,p-DDT	N.D.	0.35	1.7
Delta BHC	N.D.	0.45	0.90
Dieldrin	N.D.	0.33	1.7
Endosulfan I	N.D.	0.22	0.83
Endosulfan II	N.D.	0.33	1.7
Endosulfan Sulfate	N.D.	0.33	1.7
Endrin	N.D.	0.33	1.7
Endrin Aldehyde	N.D.	0.33	1.7
Endrin Ketone	N.D.	0.60	1.8
Heptachlor	N.D.	0.17	0.83
Heptachlor Epoxide	N.D.	0.17	0.83
Methoxychlor	N.D.	1.7	6.7
Toxaphene	N.D.	14	33
Batch number: 170810030A	Sample number(s):	8890804, 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862	
PCB-1016	N.D.	3.6	17
PCB-1221	N.D.	4.6	17
PCB-1232	N.D.	8.0	17
PCB-1242	N.D.	3.3	17
PCB-1248	N.D.	3.3	17
PCB-1254	N.D.	3.3	17
PCB-1260	N.D.	4.9	17
Total PCBs	N.D.	3.3	17
	mg/kg	mg/kg	mg/kg
Batch number: 170800031A	Sample number(s):	8890804, 8890808, 8890812, 8890816	
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
Batch number: 170810034A	Sample number(s):	8890784, 8890788, 8890792, 8890796, 8890800, 8890821, 8890825, 8890829, 8890833, 8890837, 8890841, 8890845, 8890850, 8890854, 8890858, 8890862, 8890866, 8890870, 8890874	
C13-C22 w/Si Gel	N.D.	4.0	12
C23-C40 w/Si Gel	N.D.	4.0	12
Total TPH w/Si Gel	N.D.	4.0	12
	ug/l	ug/l	ug/l
Batch number: 170790047A	Sample number(s):	8890820, 8890849, 8890878	
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
Batch number: 170930009A			
DRO C10-C28 w/ SiGel	N.D.	45	100
ORO >C28-C35 w/ SiGel	N.D.	45	100
	mg/kg	mg/kg	mg/kg
Batch number: 170815708004	Sample number(s):	8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816	

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Antimony	N.D.	0.700	2.00
Arsenic	N.D.	0.970	2.00
Barium	0.0600 J	0.0330	0.500
Beryllium	N.D.	0.0670	0.500
Cadmium	N.D.	0.0490	0.500
Chromium	N.D.	0.140	1.50
Cobalt	N.D.	0.120	0.500
Copper	0.436 J	0.230	1.00
Lead	N.D.	0.550	1.50
Molybdenum	0.175 J	0.170	1.00
Nickel	N.D.	0.300	1.00
Selenium	0.915 J	0.900	2.00
Silver	N.D.	0.150	0.500
Thallium	N.D.	0.820	3.00
Vanadium	N.D.	0.140	0.500
Zinc	N.D.	0.680	2.00
Batch number: 170815711002			
Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816			
Mercury	N.D.	0.0100	0.100
Batch number: 170825708001			
Sample number(s): 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862, 8890866			
Antimony	N.D.	0.700	2.00
Arsenic	N.D.	0.970	2.00
Barium	0.0680 J	0.0330	0.500
Beryllium	N.D.	0.0670	0.500
Cadmium	N.D.	0.0490	0.500
Chromium	0.227 J	0.140	1.50
Cobalt	N.D.	0.120	0.500
Copper	0.231 J	0.230	1.00
Lead	N.D.	0.550	1.50
Molybdenum	N.D.	0.170	1.00
Nickel	N.D.	0.300	1.00
Selenium	N.D.	0.900	2.00
Silver	N.D.	0.150	0.500
Thallium	N.D.	0.820	3.00
Vanadium	0.214 J	0.140	0.500
Zinc	N.D.	0.680	2.00
Batch number: 170825711001			
Sample number(s): 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862, 8890866			
Mercury	N.D.	0.0100	0.100
Batch number: 170865708001			
Sample number(s): 8890837, 8890841, 8890845, 8890858, 8890870, 8890874			
Antimony	N.D.	0.700	2.00
Arsenic	N.D.	0.970	2.00
Barium	0.0530 J	0.0330	0.500
Beryllium	N.D.	0.0670	0.500
Cadmium	N.D.	0.0490	0.500
Chromium	N.D.	0.140	1.50
Cobalt	N.D.	0.120	0.500
Copper	N.D.	0.230	1.00

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/kg	mg/kg	mg/kg
Lead	N.D.	0.550	1.50
Molybdenum	N.D.	0.170	1.00
Nickel	N.D.	0.300	1.00
Selenium	N.D.	0.900	2.00
Silver	N.D.	0.150	0.500
Thallium	N.D.	0.820	3.00
Vanadium	N.D.	0.140	0.500
Zinc	N.D.	0.680	2.00
Batch number: 170865711001	Sample number(s): 8890837,8890841,8890845,8890858,8890870,8890874		
Mercury	0.0179 J	0.0100	0.100
	mg/l	mg/l	mg/l
Batch number: 170861848001	Sample number(s): 8890820,8890849,8890878		
Antimony	N.D.	0.0077	0.0200
Arsenic	N.D.	0.0097	0.0200
Barium	0.0014 J	0.0011	0.0050
Beryllium	N.D.	0.00067	0.0050
Cadmium	N.D.	0.00049	0.0050
Chromium	N.D.	0.0018	0.0150
Cobalt	N.D.	0.0019	0.0050
Copper	N.D.	0.0041	0.0100
Lead	N.D.	0.0062	0.0150
Molybdenum	N.D.	0.0017	0.0100
Nickel	N.D.	0.0028	0.0100
Selenium	N.D.	0.0097	0.0200
Silver	N.D.	0.0019	0.0050
Thallium	N.D.	0.0094	0.0300
Vanadium	N.D.	0.0016	0.0050
Zinc	N.D.	0.0054	0.0200
Batch number: 170865713002	Sample number(s): 8890820,8890849,8890878		
Mercury	N.D.	0.000050	0.00020
Batch number: 170895705004	Sample number(s): 8890787,8890853		
Chromium	N.D.	0.0450	0.375
Lead	N.D.	0.155	0.375
Batch number: 170955705003	Sample number(s): 8890824		
Chromium	N.D.	0.0450	0.375
Lead	N.D.	0.155	0.375

### LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/kg	ug/kg	ug/kg	ug/kg					

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B170812AA	Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816, 8890821, 8890825								
Acetone	150	108.68	150	105.42	72	70	32-144	3	30
Benzene	20	17.19	20	16.6	86	83	80-120	3	30
Bromodichloromethane	20	16.5	20	16.07	82	80	75-120	3	30
Bromoform	20	16.54	20	16.22	83	81	61-122	2	30
Bromomethane	20	16.44	20	15.79	82	79	39-155	4	30
2-Butanone	150	132.63	150	139.02	88	93	41-134	5	30
C6-C10-TPH-GRO	1000	976.66	1000	964.29	98	96	65-120	1	30
Carbon Disulfide	20	16.77	20	16.17	84	81	60-128	4	30
Carbon Tetrachloride	20	15.28	20	14.81	76	74	69-130	3	30
Chlorobenzene	20	18.1	20	17.73	91	89	80-120	2	30
Chloroethane	20	16.43	20	15.36	82	77	50-137	7	30
Chloroform	20	16.98	20	16.46	85	82	80-120	3	30
Chloromethane	20	15.42	20	14.78	77	74	56-120	4	30
Cyclohexane	20	16.11	20	14.97	81	75	58-126	7	30
1,2-Dibromo-3-chloropropane	20	17.4	20	16.76	87	84	54-120	4	30
Dibromochloromethane	20	16.68	20	16.52	83	83	71-120	1	30
1,2-Dibromoethane	20	18.72	20	18.43	94	92	80-120	2	30
1,2-Dichlorobenzene	20	19.44	20	18.83	97	94	80-120	3	30
1,3-Dichlorobenzene	20	18.23	20	17.8	91	89	80-120	2	30
1,4-Dichlorobenzene	20	18.87	20	18.17	94	91	80-120	4	30
Dichlorodifluoromethane	20	14.19	20	13.4	71	67	30-127	6	30
1,1-Dichloroethane	20	16.51	20	16.05	83	80	77-120	3	30
1,2-Dichloroethane	20	16.84	20	16.48	84	82	78-127	2	30
1,1-Dichloroethene	20	16.93	20	16.3	85	81	73-129	4	30
cis-1,2-Dichloroethene	20	18.16	20	17.54	91	88	80-120	3	30
trans-1,2-Dichloroethene	20	17.11	20	16.5	86	83	80-125	4	30
1,2-Dichloropropane	20	16.89	20	16.26	84	81	76-120	4	30
cis-1,3-Dichloropropene	20	16.45	20	16.07	82	80	74-120	2	30
trans-1,3-Dichloropropene	20	17.06	20	16.92	85	85	70-120	1	30
Ethylbenzene	20	17.93	20	17.27	90	86	80-120	4	30
Freon 113	20	15.46	20	14.74	77	74	59-139	5	30
2-Hexanone	100	71.89	100	72.15	72	72	45-138	0	30
Isopropylbenzene	20	17.87	20	17.41	89	87	76-120	3	30
Methyl Acetate	20	16.19	20	15.64	81	78	54-155	3	30
Methyl Tertiary Butyl Ether	20	17.56	20	16.77	88	84	72-120	5	30
4-Methyl-2-pentanone	100	81.46	100	79.24	81	79	53-134	3	30
Methylcyclohexane	20	19.96	20	18.96	100	95	56-134	5	30
Methylene Chloride	20	17.95	20	17.73	90	89	76-122	1	30
Styrene	20	18.78	20	18.35	94	92	76-120	2	30
1,1,2,2-Tetrachloroethane	20	18.64	20	17.96	93	90	67-121	4	30
Tetrachloroethene	20	16.93	20	16.06	85	80	74-126	5	30
Toluene	20	18.3	20	17.66	92	88	80-120	4	30
1,2,4-Trichlorobenzene	20	19	20	18.42	95	92	63-121	3	30
1,1,1-Trichloroethane	20	14.78	20	13.83	74	69	66-128	7	30
1,1,2-Trichloroethane	20	19.44	20	19.07	97	95	80-120	2	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichloroethene	20	16.25	20	15.6	81	78*	80-120	4	30
Trichlorofluoromethane	20	16.51	20	15.92	83	80	63-132	4	30
Vinyl Chloride	20	16.29	20	15.89	81	79	59-120	2	30
Xylene (Total)	60	54.81	60	53.11	91	89	80-120	3	30
Batch number: B170821AA									
Sample number(s): 8890829, 8890833, 8890837, 8890841, 8890845, 8890850, 8890854, 8890858, 8890862, 8890866, 8890870, 8890874									
Acetone	150	145.47	150	125.71	97	84	32-144	15	30
Benzene	20	20.24	20	18.87	101	94	80-120	7	30
Bromodichloromethane	20	18.3	20	17.04	92	85	75-120	7	30
Bromoform	20	17.82	20	16.21	89	81	61-122	9	30
Bromomethane	20	15.4	20	14.7	77	73	39-155	5	30
2-Butanone	150	141.89	150	142.97	95	95	41-134	1	30
C6-C10-TPH-GRO	1000	1007.11	1000	794.53	101	79	65-120	24	30
Carbon Disulfide	20	20.19	20	18.88	101	94	60-128	7	30
Carbon Tetrachloride	20	19.24	20	17.77	96	89	69-130	8	30
Chlorobenzene	20	20.54	20	19.23	103	96	80-120	7	30
Chloroethane	20	15.1	20	14.3	76	72	50-137	5	30
Chloroform	20	19.66	20	18.42	98	92	80-120	7	30
Chloromethane	20	19.24	20	17.74	96	89	56-120	8	30
Cyclohexane	20	19.63	20	18.65	98	93	58-126	5	30
1,2-Dibromo-3-chloropropane	20	19.49	20	16.74	97	84	54-120	15	30
Dibromochloromethane	20	18.26	20	16.74	91	84	71-120	9	30
1,2-Dibromoethane	20	20.67	20	18.71	103	94	80-120	10	30
1,2-Dichlorobenzene	20	20.81	20	19.47	104	97	80-120	7	30
1,3-Dichlorobenzene	20	20.07	20	18.88	100	94	80-120	6	30
1,4-Dichlorobenzene	20	20.76	20	19.32	104	97	80-120	7	30
Dichlorodifluoromethane	20	15.27	20	14.05	76	70	30-127	8	30
1,1-Dichloroethane	20	19.59	20	18.3	98	92	77-120	7	30
1,2-Dichloroethane	20	19.18	20	17.4	96	87	78-127	10	30
1,1-Dichloroethene	20	20.88	20	19.62	104	98	73-129	6	30
cis-1,2-Dichloroethene	20	20.92	20	19.55	105	98	80-120	7	30
trans-1,2-Dichloroethene	20	20.96	20	19.44	105	97	80-125	8	30
1,2-Dichloropropane	20	19.17	20	17.74	96	89	76-120	8	30
cis-1,3-Dichloropropene	20	18.13	20	16.76	91	84	74-120	8	30
trans-1,3-Dichloropropene	20	18.66	20	17.48	93	87	70-120	7	30
Ethylbenzene	20	20.78	20	19.63	104	98	80-120	6	30
Freon 113	20	18.84	20	16.69	94	83	59-139	12	30
2-Hexanone	100	83.36	100	74.69	83	75	45-138	11	30
Isopropylbenzene	20	21.09	20	19.78	105	99	76-120	6	30
Methyl Acetate	20	18.91	20	16.04	95	80	54-155	16	30
Methyl Tertiary Butyl Ether	20	19.62	20	17.85	98	89	72-120	9	30
4-Methyl-2-pentanone	100	92.65	100	79.86	93	80	53-134	15	30
Methylcyclohexane	20	20.27	20	19	101	95	56-134	6	30
Methylene Chloride	20	20.95	20	19.43	105	97	76-122	8	30
Styrene	20	21.16	20	19.8	106	99	76-120	7	30
1,1,2,2-Tetrachloroethane	20	20.42	20	18.14	102	91	67-121	12	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	20	20.26	20	18.97	101	95	74-126	7	30
Toluene	20	21.36	20	19.99	107	100	80-120	7	30
1,2,4-Trichlorobenzene	20	19.94	20	18.41	100	92	63-121	8	30
1,1,1-Trichloroethane	20	19.31	20	18.5	97	93	66-128	4	30
1,1,2-Trichloroethane	20	21.37	20	19.32	107	97	80-120	10	30
Trichloroethene	20	19.58	20	18.25	98	91	80-120	7	30
Trichlorofluoromethane	20	16.71	20	16.07	84	80	63-132	4	30
Vinyl Chloride	20	17.2	20	15.96	86	80	59-120	8	30
Xylene (Total)	60	63.25	60	58.99	105	98	80-120	7	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: W170861AA	Sample number(s): 8890820, 8890849, 8890878								
Acetone	150	142.74	150	148.36	95	99	50-168	4	30
Benzene	20	20.16	20	19.99	101	100	78-120	1	30
Bromodichloromethane	20	19.29	20	19.05	96	95	80-120	1	30
Bromoform	20	17.35	20	17.34	87	87	64-120	0	30
Bromomethane	20	16.92	20	16.53	85	83	49-121	2	30
2-Butanone	150	151.08	150	147.59	101	98	53-140	2	30
C6-C10-TPH-GRO	1000	993.06	1000	965.25	99	97	75-120	3	30
Carbon Disulfide	20	19.69	20	18.9	98	94	63-122	4	30
Carbon Tetrachloride	20	19.01	20	18.59	95	93	76-123	2	30
Chlorobenzene	20	19.44	20	19.44	97	97	80-120	0	30
Chloroethane	20	17.84	20	17.62	89	88	51-121	1	30
Chloroform	20	20.26	20	20.08	101	100	80-120	1	30
Chloromethane	20	18.26	20	17.72	91	89	57-120	3	30
Cyclohexane	20	17.74	20	17.08	89	85	67-121	4	30
1,2-Dibromo-3-chloropropane	20	16.78	20	16.72	84	84	59-120	0	30
Dibromochloromethane	20	17.67	20	17.41	88	87	78-120	1	30
1,2-Dibromoethane	20	19.96	20	19.99	100	100	75-120	0	30
1,2-Dichlorobenzene	20	18.8	20	18.69	94	93	80-120	1	30
1,3-Dichlorobenzene	20	18.46	20	18.43	92	92	80-120	0	30
1,4-Dichlorobenzene	20	18.68	20	18.9	93	95	80-120	1	30
Dichlorodifluoromethane	20	16	20	15.41	80	77	54-122	4	30
1,1-Dichloroethane	20	20.34	20	20.5	102	102	80-120	1	30
1,2-Dichloroethane	20	20.39	20	19.97	102	100	66-128	2	30
1,1-Dichloroethene	20	20.8	20	20.48	104	102	76-124	2	30
cis-1,2-Dichloroethene	20	20.52	20	20.39	103	102	80-120	1	30
trans-1,2-Dichloroethene	20	21.07	20	20.72	105	104	80-120	2	30
1,2-Dichloropropane	20	20.3	20	20.29	102	101	80-120	0	30
cis-1,3-Dichloropropene	20	19	20	18.95	95	95	75-120	0	30
trans-1,3-Dichloropropene	20	19.06	20	18.99	95	95	76-120	0	30
Ethylbenzene	20	19.56	20	19.4	98	97	78-120	1	30
Freon 113	20	18.77	20	18.04	94	90	68-129	4	30
2-Hexanone	100	99.89	100	99.63	100	100	49-137	0	30
Isopropylbenzene	20	19.18	20	18.97	96	95	80-120	1	30
Methyl Acetate	20	20.41	20	19.76	102	99	61-137	3	30
Methyl Tertiary Butyl Ether	20	19.63	20	19.1	98	95	75-120	3	30
4-Methyl-2-pentanone	100	103.22	100	105.01	103	105	56-131	2	30

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylcyclohexane	20	18.22	20	18.05	91	90	66-126	1	30
Methylene Chloride	20	20.27	20	19.88	101	99	80-120	2	30
Styrene	20	18.71	20	18.54	94	93	80-120	1	30
1,1,2,2-Tetrachloroethane	20	18.75	20	19.02	94	95	72-120	1	30
Tetrachloroethene	20	19.61	20	19.55	98	98	80-129	0	30
Toluene	20	19.94	20	19.84	100	99	80-120	0	30
1,2,4-Trichlorobenzene	20	18.26	20	18.45	91	92	58-120	1	30
1,1,1-Trichloroethane	20	19.14	20	18.68	96	93	67-120	2	30
1,1,2-Trichloroethane	20	19.54	20	19.26	98	96	80-120	1	30
Trichloroethene	20	20.72	20	20.39	104	102	80-120	2	30
Trichlorofluoromethane	20	18.63	20	18.17	93	91	57-134	3	30
Vinyl Chloride	20	18.82	20	18.29	94	91	63-121	3	30
Xylene (Total)	60	58.85	60	57.91	98	97	80-120	2	30
	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 17081SLC026	Sample number (s): 8890784, 8890788, 8890792, 8890796								
Acenaphthene	1666.67	1648.79			99		83-116		
Acenaphthylene	1666.67	1580.19			95		83-119		
Acetophenone	1666.67	1439.56			86		70-107		
Anthracene	1666.67	1607.99			96		82-118		
Atrazine	1666.67	1698.39			102		52-142		
Benzaldehyde	1666.67	1370.41			82		10-93		
Benzo(a)anthracene	1666.67	1513.26			91		76-119		
Benzo(a)pyrene	1666.67	1569.8			94		78-117		
Benzo(b)fluoranthene	1666.67	1585.91			95		79-121		
Benzo(g,h,i)perylene	1666.67	1790.61			107		71-123		
Benzo(k)fluoranthene	1666.67	1635.38			98		71-123		
1,1'-Biphenyl	1666.67	1640.01			98		78-115		
4-Bromophenyl-phenylether	1666.67	1775.42			107		78-122		
Butylbenzylphthalate	1666.67	1484.81			89		80-118		
Di-n-butylphthalate	1666.67	1529.33			92		84-120		
Caprolactam	1666.67	1330.12			80		63-121		
Carbazole	1666.67	1511.26			91		80-120		
4-Chloro-3-methylphenol	1666.67	1429.87			86		78-124		
4-Chloroaniline	1666.67	1331.24			80		10-110		
bis(2-Chloroethoxy)methane	1666.67	1401.35			84		77-116		
bis(2-Chloroethyl)ether	1666.67	1449.18			87		68-115		
2-Chloronaphthalene	1666.67	1983.38			119		57-148		
2-Chlorophenol	1666.67	1604.36			96		80-121		
4-Chlorophenyl-phenylether	1666.67	1541.33			92		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1412.47			85		60-123		
Chrysene	1666.67	1553.42			93		72-121		
Dibenz(a,h)anthracene	1666.67	1786.33			107		72-129		
Dibenzofuran	1666.67	1569.88			94		79-114		
3,3'-Dichlorobenzidine	1666.67	1308.75			79		12-125		
2,4-Dichlorophenol	1666.67	1616.82			97		86-125		
Diethylphthalate	1666.67	1475.55			89		81-118		
2,4-Dimethylphenol	1666.67	1196.82			72		57-109		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dimethylphthalate	1666.67	1518.32			91		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1043.65			63		53-130		
2,4-Dinitrophenol	3333.33	1260.69			38		27-136		
2,4-Dinitrotoluene	1666.67	1447.18			87		81-122		
2,6-Dinitrotoluene	1666.67	1553.7			93		80-120		
bis(2-Ethylhexyl)phthalate	1666.67	1431.4			86		81-121		
Fluoranthene	1666.67	1445.83			87		72-120		
Fluorene	1666.67	1499.41			90		75-118		
Hexachlorobenzene	1666.67	1679.58			101		73-120		
Hexachlorobutadiene	1666.67	1622.23			97		72-120		
Hexachlorocyclopentadiene	3333.33	2759.56			83		57-142		
Hexachloroethane	1666.67	1445.1			87		69-116		
Indeno(1,2,3-cd)pyrene	1666.67	1717.75			103		69-125		
Isophorone	1666.67	1456.01			87		70-118		
2-Methylnaphthalene	1666.67	1540.45			92		77-116		
2-Methylphenol	1666.67	1454.46			87		74-128		
4-Methylphenol	1666.67	1285.14			77		72-120		
Naphthalene	1666.67	1572.02			94		75-113		
2-Nitroaniline	1666.67	1597.91			96		84-126		
3-Nitroaniline	1666.67	1481.8			89		60-125		
4-Nitroaniline	1666.67	1141.89			69		50-112		
Nitrobenzene	1666.67	1502.34			90		70-122		
2-Nitrophenol	1666.67	1637.17			98		83-120		
4-Nitrophenol	1666.67	1232.82			74		52-133		
N-Nitroso-di-n-propylamine	1666.67	1403.3			84		67-121		
N-Nitrosodiphenylamine	1666.67	1690.87			101		83-118		
Di-n-octylphthalate	1666.67	1511.18			91		80-140		
Pentachlorophenol	1666.67	1651.57			99		56-131		
Phenanthrene	1666.67	1561.46			94		74-114		
Phenol	1666.67	1484.34			89		73-122		
Pyrene	1666.67	1559.43			94		74-112		
2,4,5-Trichlorophenol	1666.67	1665.52			100		86-123		
2,4,6-Trichlorophenol	1666.67	1706.02			102		81-123		
Batch number: 17081SLD026	Sample number(s): 8890800,8890804,8890808,8890812,8890816,8890821,8890825,8890829,8890833,8890837,8890841,8890845,8890850,8890854,8890858,8890862,8890866,8890870,8890874								
Acenaphthene	1666.67	1557.13			93		83-116		
Acenaphthylene	1666.67	1546.5			93		83-119		
Acetophenone	1666.67	1486.43			89		70-107		
Anthracene	1666.67	1621.26			97		82-118		
Atrazine	1666.67	1498.64			90		52-142		
Benzaldehyde	1666.67	424.38			25		10-93		
Benzo(a)anthracene	1666.67	1577.53			95		76-119		
Benzo(a)pyrene	1666.67	1614.16			97		78-117		
Benzo(b)fluoranthene	1666.67	1568.14			94		79-121		
Benzo(g,h,i)perylene	1666.67	1565.51			94		71-123		
Benzo(k)fluoranthene	1666.67	1714.6			103		71-123		

\*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1'-Biphenyl	1666.67	1526.8			92		78-115		
4-Bromophenyl-phenylether	1666.67	1711.81			103		78-122		
Butylbenzylphthalate	1666.67	1515			91		80-118		
Di-n-butylphthalate	1666.67	1590.49			95		84-120		
Caprolactam	1666.67	1503.02			90		63-121		
Carbazole	1666.67	1548.19			93		80-120		
4-Chloro-3-methylphenol	1666.67	1666.53			100		78-124		
4-Chloroaniline	1666.67	1172.22			70		10-110		
bis(2-Chloroethoxy)methane	1666.67	1451.96			87		77-116		
bis(2-Chloroethyl)ether	1666.67	1422.24			85		68-115		
2-Chloronaphthalene	1666.67	1709.03			103		57-148		
2-Chlorophenol	1666.67	1578.85			95		80-121		
4-Chlorophenyl-phenylether	1666.67	1575.16			95		73-119		
2,2'-oxybis(1-Chloropropane)	1666.67	1386.88			83		60-123		
Chrysene	1666.67	1586.31			95		72-121		
Dibenz(a,h)anthracene	1666.67	1599.24			96		72-129		
Dibenzofuran	1666.67	1588.58			95		79-114		
3,3'-Dichlorobenzidine	1666.67	1013.41			61		12-125		
2,4-Dichlorophenol	1666.67	1712.98			103		86-125		
Diethylphthalate	1666.67	1525.94			92		81-118		
2,4-Dimethylphenol	1666.67	1243.22			75		57-109		
Dimethylphthalate	1666.67	1545.61			93		82-113		
4,6-Dinitro-2-methylphenol	1666.67	1650.5			99		53-130		
2,4-Dinitrophenol	3333.33	3288.09			99		27-136		
2,4-Dinitrotoluene	1666.67	1641.16			98		81-122		
2,6-Dinitrotoluene	1666.67	1635.73			98		80-120		
bis(2-Ethylhexyl)phthalate	1666.67	1503.6			90		81-121		
Fluoranthene	1666.67	1591.04			95		72-120		
Fluorene	1666.67	1551.25			93		75-118		
Hexachlorobenzene	1666.67	1597.2			96		73-120		
Hexachlorobutadiene	1666.67	1557.3			93		72-120		
Hexachlorocyclopentadiene	3333.33	1529.97			46*		57-142		
Hexachloroethane	1666.67	1389.03			83		69-116		
Indeno(1,2,3-cd)pyrene	1666.67	1558.76			94		69-125		
Isophorone	1666.67	1509.52			91		70-118		
2-Methylnaphthalene	1666.67	1545.27			93		77-116		
2-Methylphenol	1666.67	1643.75			99		74-128		
4-Methylphenol	1666.67	1642.41			99		72-120		
Naphthalene	1666.67	1523.1			91		75-113		
2-Nitroaniline	1666.67	1594.79			96		84-126		
3-Nitroaniline	1666.67	1596.39			96		60-125		
4-Nitroaniline	1666.67	1192.05			72		50-112		
Nitrobenzene	1666.67	1491.18			89		70-122		
2-Nitrophenol	1666.67	1573.46			94		83-120		
4-Nitrophenol	1666.67	1333.88			80		52-133		
N-Nitroso-di-n-propylamine	1666.67	1457.94			87		67-121		
N-Nitrosodiphenylamine	1666.67	1628.85			98		83-118		
Di-n-octylphthalate	1666.67	1722.47			103		80-140		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Pentachlorophenol	1666.67	1612.74			97		56-131		
Phenanthrene	1666.67	1551.77			93		74-114		
Phenol	1666.67	1520.92			91		73-122		
Pyrene	1666.67	1544.47			93		74-112		
2,4,5-Trichlorophenol	1666.67	1643.56			99		86-123		
2,4,6-Trichlorophenol	1666.67	1691.79			102		81-123		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17096WAT026	Sample number(s): 8890875								
Acenaphthene	50	46.8	50	49.19	94	98	64-121	5	30
Acenaphthylene	50	47.32	50	49.52	95	99	63-120	5	30
Anthracene	50	49.67	50	50.32	99	101	72-120	1	30
Benzo(a)anthracene	50	50.18	50	50.7	100	101	74-124	1	30
Benzo(a)pyrene	50	47.73	50	48.92	95	98	71-119	2	30
Benzo(b)fluoranthene	50	48.28	50	50.2	97	100	72-124	4	30
Benzo(g,h,i)perylene	50	56.32	50	57.77	113	116	61-124	3	30
Benzo(k)fluoranthene	50	50.72	50	50.41	101	101	73-121	1	30
Chrysene	50	50.13	50	51.28	100	103	75-129	2	30
Dibenz(a,h)anthracene	50	56.38	50	57.69	113	115	65-126	2	30
Fluoranthene	50	51.15	50	51.63	102	103	74-126	1	30
Fluorene	50	47.46	50	50.06	95	100	67-120	5	30
Indeno(1,2,3-cd)pyrene	50	55.03	50	56.82	110	114	63-122	3	30
Naphthalene	50	41.58	50	44.27	83	89	54-109	6	30
Phenanthrene	50	47.55	50	49.11	95	98	72-117	3	30
Pyrene	50	48.87	50	49.74	98	99	69-119	2	30
	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170790038A	Sample number(s): 8890784, 8890788, 8890796								
PCB-1016	168	173.24			103		76-121		
PCB-1260	167	176.6			106		79-130		
Batch number: 170810021A	Sample number(s): 8890784, 8890788, 8890796, 8890804, 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862								
Aldrin	3.33	3.18			95		60-117		
Alpha BHC	3.33	3.36			101		65-124		
Beta BHC	3.27	3.46			106		68-129		
Gamma BHC - Lindane	3.33	3.45			103		47-140		
Alpha Chlordane	3.33	3.68			111		73-131		
Gamma Chlordane	3.33	3.84			115		76-134		
p,p-DDD	6.60	7.88			119		69-138		
p,p-DDE	6.60	7.60			115		68-146		
p,p-DDT	6.60	7.75			117		67-135		
Delta BHC	3.27	2.17			66		45-151		
Dieldrin	6.60	7.30			111		63-126		
Endosulfan I	3.33	3.49			105		62-119		
Endosulfan II	6.67	7.34			110		65-126		
Endosulfan Sulfate	6.60	7.49			113		71-132		

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/kg	LCS Conc ug/kg	LCSD Spike Added ug/kg	LCSD Conc ug/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Endrin	6.67	7.39			111		65-125		
Endrin Aldehyde	6.60	7.13			108		59-122		
Endrin Ketone	6.60	7.55			114		64-121		
Heptachlor	3.33	3.53			106		66-118		
Heptachlor Epoxide	3.33	3.65			109		74-128		
Methoxychlor	33.1	39.86			120		65-131		
Batch number: 170810030A	Sample number(s): 8890804, 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862								
PCB-1016	168	160.78			96		76-121		
PCB-1260	167	174.16			104		79-130		
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 170800031A	Sample number(s): 8890804, 8890808, 8890812, 8890816								
Total TPH w/Si Gel	134	120.74	134	128.67	90	96	53-123	6	50
Batch number: 170810034A	Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890821, 8890825, 8890829, 8890833, 8890837, 8890841, 8890845, 8890850, 8890854, 8890858, 8890862, 8890866, 8890870, 8890874								
Total TPH w/Si Gel	134	136.97			102		53-123		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170790047A	Sample number(s): 8890820, 8890849, 8890878								
DRO C10-C28 w/ SiGel	601	316.91	601	255.14	53	42	33-115	22*	20
Batch number: 170930009A	Sample number(s): 8890820, 8890849, 8890878								
DRO C10-C28 w/ SiGel	601	331.13	601	287.57	55	48	33-115	14	20
	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 170815708004	Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816								
Antimony	50	53.15			106		80-120		
Arsenic	15	14.4			96		80-120		
Barium	200	199.7			100		80-120		
Beryllium	5.00	5.02			100		80-120		
Cadmium	5.00	5.23			105		80-120		
Chromium	20	19.47			97		80-120		
Cobalt	50	50.67			101		80-120		
Copper	25	26.25			105		80-120		
Lead	15	15.63			104		80-120		
Molybdenum	200	200.32			100		80-120		
Nickel	50	52.76			106		80-120		
Selenium	15	17.09			114		80-120		
Silver	5.00	5.34			107		80-120		
Thallium	15	16.57			110		80-120		
Vanadium	50	52.23			104		80-120		
Zinc	50	52.3			105		80-120		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 170815711002	Sample number(s):								
Mercury	0.100	0.0887			89		80-120		
Batch number: 170825708001	Sample number(s): 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862, 8890866								
Antimony	50	49.56			99		80-120		
Arsenic	15	15.42			103		80-120		
Barium	200	202.32			101		80-120		
Beryllium	5.00	5.00			100		80-120		
Cadmium	5.00	5.18			104		80-120		
Chromium	20	20.68			103		80-120		
Cobalt	50	52			104		80-120		
Copper	25	25.28			101		80-120		
Lead	15	15.56			104		80-120		
Molybdenum	200	201.21			101		80-120		
Nickel	50	52.8			106		80-120		
Selenium	15	15.7			105		80-120		
Silver	5.00	5.03			101		80-120		
Thallium	15	16.25			108		80-120		
Vanadium	50	51.43			103		80-120		
Zinc	50	52.47			105		80-120		
Batch number: 170825711001	Sample number(s): 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862, 8890866								
Mercury	0.100	0.0842			84		80-120		
Batch number: 170865708001	Sample number(s): 8890837, 8890841, 8890845, 8890858, 8890870, 8890874								
Antimony	50	51.2			102		80-120		
Arsenic	15	15.02			100		80-120		
Barium	200	203.96			102		80-120		
Beryllium	5.00	5.09			102		80-120		
Cadmium	5.00	5.14			103		80-120		
Chromium	20	20.13			101		80-120		
Cobalt	50	51.53			103		80-120		
Copper	25	25.35			101		80-120		
Lead	15	15.39			103		80-120		
Molybdenum	200	202.5			101		80-120		
Nickel	50	52.01			104		80-120		
Selenium	15	15.9			106		80-120		
Silver	5.00	5.06			101		80-120		
Thallium	15	15.56			104		80-120		
Vanadium	50	50.78			102		80-120		
Zinc	50	50.92			102		80-120		
Batch number: 170865711001	Sample number(s): 8890837, 8890841, 8890845, 8890858, 8890870, 8890874								
Mercury	0.100	0.0935			93		80-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 170861848001	Sample number(s): 8890820, 8890849, 8890878								
Antimony	0.500	0.517			103		80-120		

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Arsenic	0.150	0.157			105		80-120		
Barium	2.00	2.08			104		80-120		
Beryllium	0.0500	0.0492			98		80-120		
Cadmium	0.0500	0.0523			105		80-120		
Chromium	0.200	0.201			101		80-120		
Cobalt	0.500	0.517			103		80-120		
Copper	0.250	0.247			99		80-120		
Lead	0.150	0.155			103		80-120		
Molybdenum	2.00	2.02			101		80-120		
Nickel	0.500	0.530			106		80-120		
Selenium	0.150	0.143			95		80-120		
Silver	0.0500	0.0533			107		80-120		
Thallium	0.150	0.156			104		80-120		
Vanadium	0.500	0.516			103		80-120		
Zinc	0.500	0.511			102		80-120		
Batch number: 170865713002	Sample number(s): 8890820,8890849,8890878								
Mercury	0.00100	0.000824			82		80-120		
Batch number: 170895705004	Sample number(s): 8890787,8890853								
Chromium	0.200	0.203			102		80-120		
Lead	0.150	0.149			99		80-120		
Batch number: 170955705003	Sample number(s): 8890824								
Chromium	0.200	0.196			98		80-120		
Lead	0.150	0.156			104		80-120		
	%	%	%	%					
Batch number: 17081820006A	Sample number(s): 8890866,8890870,8890874								
Moisture	89.5	89.41			100		99-101		
Batch number: 17082820004A	Sample number(s): 8890784,8890788,8890792,8890796,8890800,8890804,8890808,8890812,8890816,8890821								
Moisture	89.5	89			99		99-101		
Batch number: 17082820004B	Sample number(s): 8890825,8890829,8890833,8890837,8890841,8890845,8890850,8890854,8890858,8890862								
Moisture	89.5	89			99		99-101		

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: W170861AA	Sample number(s): 8890820,8890849,8890878 UNSPK: P887927									
Acetone	N.D.	3000	2975.99	3000	2713.21	99	90	50-168	9	30
Benzene	N.D.	400	402.11	400	404.98	101	101	78-120	1	30
Bromodichloromethane	N.D.	400	377.43	400	380.82	94	95	80-120	1	30
Bromoform	N.D.	400	343.69	400	334.96	86	84	64-120	3	30
Bromomethane	N.D.	400	351.64	400	338.87	88	85	49-121	4	30
2-Butanone	N.D.	3000	3038.7	3000	3016.72	101	101	53-140	1	30
Carbon Disulfide	N.D.	400	371.57	400	373.91	93	93	63-122	1	30
Carbon Tetrachloride	N.D.	400	356	400	364.29	89	91	76-123	2	30
Chlorobenzene	N.D.	400	388.83	400	388.24	97	97	80-120	0	30
Chloroethane	N.D.	400	376.9	400	362.06	94	91	51-121	4	30
Chloroform	N.D.	400	407.71	400	403.68	102	101	80-120	1	30
Chloromethane	N.D.	400	356.87	400	346.38	89	87	57-120	3	30
Cyclohexane	N.D.	400	336.14	400	339.15	84	85	67-121	1	30
1,2-Dibromo-3-chloropropane	N.D.	400	355.05	400	354.97	89	89	59-120	0	30
Dibromochloromethane	N.D.	400	344.83	400	344.63	86	86	78-120	0	30
1,2-Dibromoethane	N.D.	400	396.55	400	399.3	99	100	75-120	1	30
1,2-Dichlorobenzene	N.D.	400	380.78	400	379.71	95	95	80-120	0	30
1,3-Dichlorobenzene	N.D.	400	371.39	400	376.06	93	94	80-120	1	30
1,4-Dichlorobenzene	N.D.	400	376.94	400	377.63	94	94	80-120	0	30
Dichlorodifluoromethane	N.D.	400	309.42	400	307.04	77	77	54-122	1	30
1,1-Dichloroethane	N.D.	400	405.99	400	407.05	101	102	80-120	0	30
1,2-Dichloroethane	N.D.	400	404.82	400	400.98	101	100	66-128	1	30
1,1-Dichloroethene	N.D.	400	405.28	400	410.25	101	103	76-124	1	30
cis-1,2-Dichloroethene	N.D.	400	408.01	400	403.87	102	101	80-120	1	30
trans-1,2-Dichloroethene	N.D.	400	414.79	400	416.32	104	104	80-120	0	30
1,2-Dichloropropane	N.D.	400	400.96	400	400.17	100	100	80-120	0	30
cis-1,3-Dichloropropene	N.D.	400	372.79	400	373.53	93	93	75-120	0	30
trans-1,3-Dichloropropene	N.D.	400	370.96	400	370.47	93	93	76-120	0	30
Ethylbenzene	62.66	400	451.09	400	456.9	97	99	78-120	1	30
Freon 113	N.D.	400	357.98	400	356.63	89	89	68-129	0	30
2-Hexanone	N.D.	2000	1897.37	2000	1928.67	95	96	49-137	2	30
Isopropylbenzene	N.D.	400	392.69	400	394.94	98	99	80-120	1	30
Methyl Acetate	32.84	400	445.34	400	437.45	103	101	61-137	2	30
Methyl Tertiary Butyl Ether	N.D.	400	395.44	400	392.78	99	98	75-120	1	30
4-Methyl-2-pentanone	N.D.	2000	2034.36	2000	2045.43	102	102	56-131	1	30
Methylcyclohexane	N.D.	400	356.05	400	366.89	89	92	66-126	3	30
Methylene Chloride	N.D.	400	412.28	400	398.82	103	100	80-120	3	30
Styrene	N.D.	400	382.31	400	383.54	96	96	80-120	0	30
1,1,2,2-Tetrachloroethane	N.D.	400	378.92	400	380.27	95	95	72-120	0	30
Tetrachloroethene	N.D.	400	382.55	400	387.72	96	97	80-129	1	30
Toluene	49.92	400	444.18	400	446.57	99	99	80-120	1	30
1,2,4-Trichlorobenzene	N.D.	400	385.63	400	388.91	96	97	58-120	1	30
1,1,1-Trichloroethane	N.D.	400	363.45	400	373.4	91	93	67-120	3	30
1,1,2-Trichloroethane	N.D.	400	383.58	400	386.82	96	97	80-120	1	30
Trichloroethene	N.D.	400	408.99	400	409.76	102	102	80-120	0	30

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Trichlorofluoromethane	N.D.	400	362.66	400	360.79	91	90	57-134	1	30
Vinyl Chloride	N.D.	400	363.31	400	363.37	91	91	63-121	0	30
Xylene (Total)	439.01	1200	1631.5	1200	1629.35	99	99	80-120	0	30
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 17081SLC026	Sample number(s): 8890784,8890788,8890792,8890796 UNSPK: P893023									
Acenaphthene	N.D.	1665.56	1644.7	1645.28	1621.04	99	99	83-116	1	30
Acenaphthylene	N.D.	1665.56	1566.51	1645.28	1566.85	94	95	83-119	0	30
Acetophenone	N.D.	1665.56	1469.87	1645.28	1374.36	88	84	70-107	7	30
Anthracene	N.D.	1665.56	1563.51	1645.28	1596.46	94	97	82-118	2	30
Atrazine	N.D.	1665.56	1695.06	1645.28	1759.89	102	107	52-142	4	30
Benzaldehyde	N.D.	1665.56	1506.15	1645.28	1397.02	90	85	10-93	8	30
Benzo(a)anthracene	N.D.	1665.56	1479.31	1645.28	1512.77	89	92	76-119	2	30
Benzo(a)pyrene	N.D.	1665.56	1579.93	1645.28	1494.77	95	91	78-117	6	30
Benzo(b)fluoranthene	N.D.	1665.56	1585.15	1645.28	1548.95	95	94	79-121	2	30
Benzo(g,h,i)perylene	N.D.	1665.56	1836.48	1645.28	1964.54	110	119	71-123	7	30
Benzo(k)fluoranthene	N.D.	1665.56	1623.94	1645.28	1370.6	98	83	71-123	17	30
1,1'-Biphenyl	N.D.	1665.56	1639.05	1645.28	1640.97	98	100	78-115	0	30
4-Bromophenyl-phenylether	N.D.	1665.56	1748.44	1645.28	1815.86	105	110	78-122	4	30
Butylbenzylphthalate	N.D.	1665.56	1551.01	1645.28	1632.33	93	99	80-118	5	30
Di-n-butylphthalate	N.D.	1665.56	1539.8	1645.28	1615.48	92	98	84-120	5	30
Caprolactam	N.D.	1665.56	999.83	1645.28	884.34	60*	54*	63-121	12	30
Carbazole	N.D.	1665.56	1470.3	1645.28	1475.39	88	90	80-120	0	30
4-Chloro-3-methylphenol	N.D.	1665.56	1400.46	1645.28	1310.93	84	80	78-124	7	30
4-Chloroaniline	N.D.	1665.56	462.98	1645.28	831.13	28	51	10-110	57*	30
bis(2-Chloroethoxy)methane	N.D.	1665.56	1399.89	1645.28	1376.44	84	84	77-116	2	30
bis(2-Chloroethyl)ether	N.D.	1665.56	1476.01	1645.28	1444.64	89	88	68-115	2	30
2-Chloronaphthalene	N.D.	1665.56	1948.93	1645.28	1348.35	117	82	57-148	36*	30
2-Chlorophenol	N.D.	1665.56	1619.06	1645.28	1525.55	97	93	80-121	6	30
4-Chlorophenyl-phenylether	N.D.	1665.56	1545.85	1645.28	1510.87	93	92	73-119	2	30
2,2'-oxybis(1-Chloropropane)	N.D.	1665.56	1464.26	1645.28	1374.29	88	84	60-123	6	30
Chrysene	N.D.	1665.56	1533.54	1645.28	1460.44	92	89	72-121	5	30
Dibenz(a,h)anthracene	N.D.	1665.56	1780.95	1645.28	1903.47	107	116	72-129	7	30
Dibenzofuran	N.D.	1665.56	1576.97	1645.28	1542.41	95	94	79-114	2	30
3,3'-Dichlorobenzidine	N.D.	1665.56	365.49	1645.28	676.21	22	41	12-125	60*	30
2,4-Dichlorophenol	N.D.	1665.56	1555.59	1645.28	1521.22	93	92	86-125	2	30
Diethylphthalate	N.D.	1665.56	1505.59	1645.28	1473.81	90	90	81-118	2	30
2,4-Dimethylphenol	N.D.	1665.56	1176.06	1645.28	1116.93	71	68	57-109	5	30
Dimethylphthalate	N.D.	1665.56	1542.26	1645.28	1546.34	93	94	82-113	0	30
4,6-Dinitro-2-methylphenol	N.D.	1665.56	1221.29	1645.28	1042.8	73	63	53-130	16	30
2,4-Dinitrophenol	N.D.	3331.11	1917.23	3290.56	1389.09	58	42	27-136	32*	30
2,4-Dinitrotoluene	N.D.	1665.56	1457.3	1645.28	1380.18	87	84	81-122	5	30
2,6-Dinitrotoluene	N.D.	1665.56	1548.22	1645.28	1491.01	93	91	80-120	4	30
bis(2-Ethylhexyl)phthalate	N.D.	1665.56	1495.5	1645.28	1767.01	90	107	81-121	17	30
Fluoranthene	N.D.	1665.56	1427.78	1645.28	1358.3	86	83	72-120	5	30
Fluorene	N.D.	1665.56	1509.2	1645.28	1465.22	91	89	75-118	3	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Hexachlorobenzene	N.D.	1665.56	1607.78	1645.28	1651.84	97	100	73-120	3	30
Hexachlorobutadiene	N.D.	1665.56	1635.24	1645.28	1656.08	98	101	72-120	1	30
Hexachlorocyclopentadiene	N.D.	3331.11	1531.36	3290.56	1479.79	46*	45*	57-142	3	30
Hexachloroethane	N.D.	1665.56	1477.62	1645.28	1423.74	89	87	69-116	4	30
Indeno(1,2,3-cd)pyrene	N.D.	1665.56	1732.72	1645.28	1846.49	104	112	69-125	6	30
Isophorone	N.D.	1665.56	1442.31	1645.28	1399.67	87	85	70-118	3	30
2-Methylnaphthalene	N.D.	1665.56	1508	1645.28	1478.31	91	90	77-116	2	30
2-Methylphenol	N.D.	1665.56	1466.97	1645.28	1360.26	88	83	74-128	8	30
4-Methylphenol	N.D.	1665.56	1296.33	1645.28	1192.72	78	72	72-120	8	30
Naphthalene	N.D.	1665.56	1563.99	1645.28	1556.5	94	95	75-113	0	30
2-Nitroaniline	N.D.	1665.56	1587.52	1645.28	1571.37	95	96	84-126	1	30
3-Nitroaniline	N.D.	1665.56	1396.64	1645.28	1411.65	84	86	60-125	1	30
4-Nitroaniline	N.D.	1665.56	1019.93	1645.28	1030.71	61	63	50-112	1	30
Nitrobenzene	N.D.	1665.56	1511.65	1645.28	1474.72	91	90	70-122	2	30
2-Nitrophenol	N.D.	1665.56	1621.24	1645.28	1576.85	97	96	83-120	3	30
4-Nitrophenol	N.D.	1665.56	1307.33	1645.28	1198.25	78	73	52-133	9	30
N-Nitroso-di-n-propylamine	N.D.	1665.56	1440.73	1645.28	1326.43	87	81	67-121	8	30
N-Nitrosodiphenylamine	N.D.	1665.56	1679.78	1645.28	1760.21	101	107	83-118	5	30
Di-n-octylphthalate	N.D.	1665.56	1625.53	1645.28	1494.26	98	91	80-140	8	30
Pentachlorophenol	N.D.	1665.56	1561.67	1645.28	1544.38	94	94	56-131	1	30
Phenanthrene	N.D.	1665.56	1528.93	1645.28	1548.16	92	94	74-114	1	30
Phenol	N.D.	1665.56	1524.14	1645.28	1389.87	92	84	73-122	9	30
Pyrene	N.D.	1665.56	1549.7	1645.28	1585.48	93	96	74-112	2	30
2,4,5-Trichlorophenol	N.D.	1665.56	1614.3	1645.28	1576.76	97	96	86-123	2	30
2,4,6-Trichlorophenol	N.D.	1665.56	1648.87	1645.28	1612.47	99	98	81-123	2	30

Batch number: 17081SLD026

Sample number(s):

8890800, 8890804, 8890808, 8890812, 8890816, 8890821, 8890825, 8890829, 8890833, 8890837, 8890841, 8890845, 8890850, 8890854, 8890858, 8890862, 8890866, 8890870, 8890874 UNSPK: 8890870

Acenaphthene	N.D.	1644.74	1579.74	1661.13	1624.81	96	98	83-116	3	30
Acenaphthylene	N.D.	1644.74	1533.69	1661.13	1603.55	93	97	83-119	4	30
Acetophenone	N.D.	1644.74	1470.88	1661.13	1569.52	89	94	70-107	6	30
Anthracene	N.D.	1644.74	1547.21	1661.13	1583.46	94	95	82-118	2	30
Atrazine	N.D.	1644.74	869.78	1661.13	1027.04	53	62	52-142	17	30
Benzaldehyde	N.D.	1644.74	831.69	1661.13	1429.17	51	86	10-93	53*	30
Benzo(a)anthracene	N.D.	1644.74	1473.63	1661.13	1519.83	90	91	76-119	3	30
Benzo(a)pyrene	N.D.	1644.74	1509.19	1661.13	1559.3	92	94	78-117	3	30
Benzo(b)fluoranthene	N.D.	1644.74	1510.39	1661.13	1574.7	92	95	79-121	4	30
Benzo(g,h,i)perylene	N.D.	1644.74	1536.04	1661.13	1624.73	93	98	71-123	6	30
Benzo(k)fluoranthene	N.D.	1644.74	1600.64	1661.13	1651.05	97	99	71-123	3	30
1,1'-Biphenyl	N.D.	1644.74	1545.06	1661.13	1581.58	94	95	78-115	2	30
4-Bromophenyl-phenylether	N.D.	1644.74	1660.04	1661.13	1723.3	101	104	78-122	4	30
Butylbenzylphthalate	N.D.	1644.74	1516.92	1661.13	1572.78	92	95	80-118	4	30
Di-n-butylphthalate	291.52	1644.74	1533.07	1661.13	1593.55	75*	78*	84-120	4	30
Caprolactam	N.D.	1644.74	1418.72	1661.13	1489.38	86	90	63-121	5	30

\*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Carbazole	N.D.	1644.74	1446.1	1661.13	1480.93	88	89	80-120	2	30
4-Chloro-3-methylphenol	N.D.	1644.74	1609.32	1661.13	1692.75	98	102	78-124	5	30
4-Chloroaniline	N.D.	1644.74	916.69	1661.13	909.83	56	55	10-110	1	30
bis(2-Chloroethoxy)methane	N.D.	1644.74	1408.05	1661.13	1513.22	86	91	77-116	7	30
bis(2-Chloroethyl) ether	N.D.	1644.74	1411.21	1661.13	1503.46	86	91	68-115	6	30
2-Chloronaphthalene	N.D.	1644.74	1841.28	1661.13	1857.7	112	112	57-148	1	30
2-Chlorophenol	N.D.	1644.74	1553.77	1661.13	1665.95	94	100	80-121	7	30
4-Chlorophenyl-phenylether	N.D.	1644.74	1561.34	1661.13	1605.16	95	97	73-119	3	30
2,2'-oxybis(1-Chloropropane)	N.D.	1644.74	1364.7	1661.13	1451.87	83	87	60-123	6	30
Chrysene	N.D.	1644.74	1492.23	1661.13	1503.65	91	91	72-121	1	30
Dibenz(a,h)anthracene	N.D.	1644.74	1586.49	1661.13	1641.82	96	99	72-129	3	30
Dibenzofuran	N.D.	1644.74	1607.65	1661.13	1644	98	99	79-114	2	30
3,3'-Dichlorobenzidine	N.D.	1644.74	1116.73	1661.13	1215.84	68	73	12-125	8	30
2,4-Dichlorophenol	N.D.	1644.74	1693.96	1661.13	1782.22	103	107	86-125	5	30
Diethylphthalate	N.D.	1644.74	1489.3	1661.13	1546.17	91	93	81-118	4	30
2,4-Dimethylphenol	N.D.	1644.74	1142.26	1661.13	1227.76	69	74	57-109	7	30
Dimethylphthalate	N.D.	1644.74	1518.35	1661.13	1565.29	92	94	82-113	3	30
4,6-Dinitro-2-methylphenol	N.D.	1644.74	1504.5	1661.13	1591.06	91	96	53-130	6	30
2,4-Dinitrophenol	N.D.	3289.47	2965.35	3322.26	3201.42	90	96	27-136	8	30
2,4-Dinitrotoluene	N.D.	1644.74	1550.72	1661.13	1601.42	94	96	81-122	3	30
2,6-Dinitrotoluene	N.D.	1644.74	1553.16	1661.13	1665.41	94	100	80-120	7	30
bis(2-Ethylhexyl)phthalate	N.D.	1644.74	1557.87	1661.13	1593.69	95	96	81-121	2	30
Fluoranthene	N.D.	1644.74	1460.7	1661.13	1496.48	89	90	72-120	2	30
Fluorene	N.D.	1644.74	1519.62	1661.13	1580.46	92	95	75-118	4	30
Hexachlorobenzene	N.D.	1644.74	1537.29	1661.13	1573.37	93	95	73-120	2	30
Hexachlorobutadiene	N.D.	1644.74	1587.59	1661.13	1649.7	97	99	72-120	4	30
Hexachlorocyclopentadiene	N.D.	3289.47	461.32	3322.26	1829.06	14*	55*	57-142	119*	30
Hexachloroethane	N.D.	1644.74	1405.81	1661.13	1444.33	85	87	69-116	3	30
Indeno(1,2,3-cd)pyrene	N.D.	1644.74	1541.25	1661.13	1598.62	94	96	69-125	4	30
Isophorone	N.D.	1644.74	1465.76	1661.13	1555.63	89	94	70-118	6	30
2-Methylnaphthalene	N.D.	1644.74	1541.96	1661.13	1621.99	94	98	77-116	5	30
2-Methylphenol	N.D.	1644.74	1612.11	1661.13	1720.21	98	104	74-128	6	30
4-Methylphenol	N.D.	1644.74	1580.71	1661.13	1656.17	96	100	72-120	5	30
Naphthalene	N.D.	1644.74	1545.29	1661.13	1626.3	94	98	75-113	5	30
2-Nitroaniline	N.D.	1644.74	1619.23	1661.13	1600.34	98	96	84-126	1	30
3-Nitroaniline	N.D.	1644.74	1428.75	1661.13	1576.85	87	95	60-125	10	30
4-Nitroaniline	N.D.	1644.74	1308.85	1661.13	1353.03	80	81	50-112	3	30
Nitrobenzene	N.D.	1644.74	1470.07	1661.13	1581.13	89	95	70-122	7	30
2-Nitrophenol	N.D.	1644.74	1473.68	1661.13	1657.58	90	100	83-120	12	30
4-Nitrophenol	N.D.	1644.74	1301.54	1661.13	1297.61	79	78	52-133	0	30
N-Nitroso-di-n-propylamine	N.D.	1644.74	1422.83	1661.13	1534.82	87	92	67-121	8	30
N-Nitrosodiphenylamine	N.D.	1644.74	1567.84	1661.13	1629.37	95	98	83-118	4	30
Di-n-octylphthalate	N.D.	1644.74	1798.74	1661.13	1837.12	109	111	80-140	2	30
Pentachlorophenol	N.D.	1644.74	1333.34	1661.13	1386.26	81	83	56-131	4	30
Phenanthrene	N.D.	1644.74	1512.16	1661.13	1552.48	92	93	74-114	3	30
Phenol	23.14	1644.74	1601.2	1661.13	1679.33	96	100	73-122	5	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/kg	MS Spike Added ug/kg	MS Conc ug/kg	MSD Spike Added ug/kg	MSD Conc ug/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Pyrene	N.D.	1644.74	1483	1661.13	1527.81	90	92	74-112	3	30
2,4,5-Trichlorophenol	N.D.	1644.74	1579.71	1661.13	1667.6	96	100	86-123	5	30
2,4,6-Trichlorophenol	N.D.	1644.74	1622.16	1661.13	1726.38	99	104	81-123	6	30
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg					
Batch number: 170790038A	Sample number(s): 8890784,8890788,8890796 UNSPK: P887210									
PCB-1016	N.D.	167	144.56	166	145.35	87	88	76-121	1	50
PCB-1260	N.D.	166	153.48	165	155.11	92	94	79-130	1	50
Batch number: 170810021A	Sample number(s): 8890784,8890788,8890796,8890804,8890821,8890825,8890829,8890833,8890850,8890854,8890862 UNSPK: P890724									
Aldrin	N.D.	3.33	2.60	3.30	2.78	78	84	60-117	7	50
Alpha BHC	N.D.	3.33	2.61	3.30	2.78	78	84	65-124	6	50
Beta BHC	N.D.	3.26	2.75	3.23	3.00	84	93	68-129	9	50
Gamma BHC - Lindane	N.D.	3.33	2.76	3.30	2.85	83	86	47-140	3	50
Alpha Chlordane	N.D.	3.33	2.66	3.30	2.92	80	88	73-131	9	50
Gamma Chlordane	N.D.	3.33	2.75	3.30	3.13	83	95	76-134	13	50
p,p-DDD	N.D.	6.60	5.78	6.53	6.67	88	102	69-138	14	50
p,p-DDE	N.D.	6.60	5.59	6.53	6.20	85	95	68-146	10	50
p,p-DDT	N.D.	6.60	5.53	6.53	6.34	84	97	67-135	14	50
Delta BHC	N.D.	3.26	2.51	3.23	2.99	77	93	45-151	17	50
Dieldrin	N.D.	6.60	5.38	6.53	6.07	82	93	63-126	12	50
Endosulfan I	N.D.	3.33	2.37	3.30	2.80	71	85	62-119	16	50
Endosulfan II	N.D.	6.66	4.79	6.59	5.84	72	89	65-126	20	50
Endosulfan Sulfate	N.D.	6.60	4.95	6.53	6.12	75	94	71-132	21	50
Endrin	N.D.	6.66	5.25	6.59	5.89	79	89	65-125	12	50
Endrin Aldehyde	N.D.	6.60	4.34	6.53	5.54	66	85	59-122	24	35
Endrin Ketone	N.D.	6.60	5.13	6.53	5.87	78	90	64-121	14	50
Heptachlor	N.D.	3.33	2.67	3.30	2.97	80	90	66-118	10	50
Heptachlor Epoxide	N.D.	3.33	2.73	3.30	3.00	82	91	74-128	10	50
Methoxychlor	N.D.	33.1	29.87	32.8	35.06	90	107	65-131	16	50
Batch number: 170810030A	Sample number(s): 8890804,8890821,8890825,8890829,8890833,8890850,8890854,8890862 UNSPK: 8890804									
PCB-1016	N.D.	167	152.72	166	153.33	91	92	76-121	0	50
PCB-1260	N.D.	166	162.96	166	162.35	98	98	79-130	0	50
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
Batch number: 170810034A	Sample number(s): 8890784,8890788,8890792,8890796,8890800,8890821,8890825,8890829,8890833,8890837,8890841,8890845,8890850,8890854,8890858,8890862,8890866,8890870,8890874 UNSPK: 8890862									
Total TPH w/Si Gel	N.D.	132	75.74	132	87.69	57	66	53-123	15	50
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 170815708004      Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816 UNSPK: P890396										
Antimony	4.69	48.08	40.94	43.86	39.5	75	79	75-125	4	20
Arsenic	34.77	14.42	48.39	13.16	53.16	94	140*	75-125	9	20
Barium	291.77	192.31	551.89	175.44	464.18	135*	98	75-125	17	20
Beryllium	2.20	4.81	6.51	4.39	6.14	90	90	75-125	6	20
Cadmium	2.24	4.81	6.43	4.39	6.47	87	96	75-125	1	20
Chromium	95.58	19.23	123.18	17.54	109.77	144 (2)	81 (2)	75-125	12	20
Cobalt	19.49	48.08	59.32	43.86	59.48	83	91	75-125	0	20
Copper	448.48	24.04	417.87	21.93	503.42	-127 (2)	250 (2)	75-125	19	20
Lead	87.65	14.42	81.36	13.16	120.4	-44 (2)	249 (2)	75-125	39*	20
Molybdenum	107.51	192.31	252.18	175.44	280.71	75	99	75-125	11	20
Nickel	31.63	48.08	69.75	43.86	70.54	79	89	75-125	1	20
Selenium	1.08	14.42	19.78	13.16	18.39	130*	132*	75-125	7	20
Silver	N.D.	4.81	4.51	4.39	3.75	94	86	75-125	18	20
Thallium	2.01	14.42	15.18	13.16	13.28	91	86	75-125	13	20
Vanadium	48.48	48.08	96.87	43.86	89.73	101	94	75-125	8	20
Zinc	626.02	48.08	718.92	43.86	729.22	193 (2)	235 (2)	75-125	1	20
Batch number: 170815711002      Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816 UNSPK: P892445										
Mercury	0.0879	0.159	0.268	0.164	0.260	113	105	80-120	3	20
Batch number: 170825708001      Sample number(s): 8890821, 8890825, 8890829, 8890833, 8890850, 8890854, 8890862, 8890866 UNSPK: P892445										
Antimony	0.876	48.54	24.87	48.54	37.42	49*	75	75-125	40*	20
Arsenic	2.76	14.56	14.16	14.56	14.11	78	78	75-125	0	20
Barium	160.78	194.17	1740.61	194.17	3182.18	814*	1556*	75-125	59*	20
Beryllium	N.D.	4.85	5.18	4.85	5.18	107	107	75-125	0	20
Cadmium	0.208	4.85	5.25	4.85	5.09	104	100	75-125	3	20
Chromium	16.77	19.42	29.63	19.42	83.16	66*	342*	75-125	95*	20
Cobalt	1.04	48.54	51.55	48.54	52.57	104	106	75-125	2	20
Copper	4.74	24.27	32.11	24.27	38.33	113	138*	75-125	18	20
Lead	1391.19	14.56	94.05	14.56	982.93	-8907 (2)	-2803 (2)	75-125	165*	20
Molybdenum	0.345	194.17	177.45	194.17	181.95	91	94	75-125	3	20
Nickel	8.54	48.54	58.6	48.54	90.5	103	169*	75-125	43*	20
Selenium	0.736	14.56	14.72	14.56	15.54	96	102	75-125	5	20
Silver	N.D.	4.85	5.13	4.85	5.12	106	106	75-125	0	20
Thallium	N.D.	14.56	15.83	14.56	16.48	109	113	75-125	4	20
Vanadium	11.22	48.54	66.43	48.54	136.11	114	257*	75-125	69*	20
Zinc	44.82	48.54	267.74	48.54	109.33	459*	133*	75-125	84*	20

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 170825711001	Sample number(s): 8890821,8890825,8890829,8890833,8890850,8890854,8890862,8890866 UNSPK: P886522									
Mercury	0.0619	0.167	0.226	0.167	0.231	99	101	80-120	2	20
Batch number: 170865708001	Sample number(s): 8890837,8890841,8890845,8890858,8890870,8890874 UNSPK: 8890870									
Antimony	1.26	47.62	39.77	33.78	25.56	81	72*	75-125	44*	20
Arsenic	5.08	14.29	18.54	10.14	15.01	94	98	75-125	21*	20
Barium	96.52	190.48	294.36	135.14	241.3	104	107	75-125	20	20
Beryllium	0.449	4.76	5.03	3.38	3.60	96	93	75-125	33*	20
Cadmium	0.276	4.76	4.64	3.38	3.25	92	88	75-125	35*	20
Chromium	59.8	19.05	68.97	13.51	62.35	48*	19 (2)	75-125	10	20
Cobalt	8.71	47.62	51.21	33.78	40.95	89	95	75-125	22*	20
Copper	5.03	23.81	31.4	16.89	21.96	111	100	75-125	35*	20
Lead	4.29	14.29	16.96	10.14	13.51	89	91	75-125	23*	20
Molybdenum	1.25	190.48	176.23	135.14	123	92	90	75-125	36*	20
Nickel	34.88	47.62	76.58	33.78	75.84	88	121	75-125	1	20
Selenium	2.29	14.29	15.71	10.14	12.45	94	100	75-125	23*	20
Silver	0.479	4.76	4.92	3.38	4.06	93	106	75-125	19	20
Thallium	3.55	14.29	17.02	10.14	13.34	94	97	75-125	24*	20
Vanadium	63.3	47.62	106.86	33.78	103.09	91	118	75-125	4	20
Zinc	61.02	47.62	107.42	33.78	92.3	97	93	75-125	15	20
Batch number: 170865711001	Sample number(s): 8890837,8890841,8890845,8890858,8890870,8890874 UNSPK: P898157									
Mercury	0.0250	0.161	0.158	0.161	0.162	82	85	80-120	2	20
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 170861848001	Sample number(s): 8890820,8890849,8890878 UNSPK: P894626									
Antimony	N.D.	0.500	0.520	0.500	0.531	104	106	75-125	2	20
Arsenic	N.D.	0.150	0.162	0.150	0.164	108	109	75-125	1	20
Barium	0.131	2.00	2.15	2.00	2.17	101	102	75-125	1	20
Beryllium	N.D.	0.0500	0.0506	0.0500	0.0510	101	102	75-125	1	20
Cadmium	N.D.	0.0500	0.0512	0.0500	0.0515	102	103	75-125	1	20
Chromium	N.D.	0.200	0.202	0.200	0.205	101	102	75-125	1	20
Cobalt	0.00226	0.500	0.506	0.500	0.509	101	101	75-125	0	20
Copper	N.D.	0.250	0.253	0.250	0.255	101	102	75-125	1	20
Lead	N.D.	0.150	0.151	0.150	0.155	100	103	75-125	3	20
Molybdenum	0.00580	2.00	2.01	2.00	2.07	100	103	75-125	3	20
Nickel	N.D.	0.500	0.515	0.500	0.519	103	104	75-125	1	20
Selenium	N.D.	0.150	0.143	0.150	0.146	95	98	75-125	3	20
Silver	N.D.	0.0500	0.0539	0.0500	0.0546	108	109	75-125	1	20
Thallium	N.D.	0.150	0.150	0.150	0.160	100	106	75-125	6	20
Vanadium	0.00369	0.500	0.526	0.500	0.529	104	105	75-125	1	20
Zinc	0.00566	0.500	0.516	0.500	0.517	102	102	75-125	0	20
Batch number: 170865713002	Sample number(s): 8890820,8890849,8890878 UNSPK: P894624									
Mercury	N.D.	0.00100	0.000801	0.00100	0.000772	80	77*	80-120	4	20

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 170895705004	Sample number(s): 8890787,8890853 UNSPK: P884187									
Chromium	0.199	5.00	5.22	5.00	5.25	100	101	75-125	1	20
Lead	0.436	3.75	4.12	3.75	4.17	98	100	75-125	1	20
Batch number: 170955705003	Sample number(s): 8890824 UNSPK: 8890824									
Chromium	0.213	5.00	5.31	5.00	5.29	102	102	75-125	0	20
Lead	N.D.	3.75	4.18	3.75	4.10	111	109	75-125	2	20

### Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Batch number: 170815708004	Sample number(s): 8890784,8890788,8890792,8890796,8890800,8890804,8890808,8890812,8890816 BKG: P890396			
Antimony	4.69	5.44	15 (1)	20
Arsenic	34.77	41.12	17	20
Barium	291.77	290.66	0	20
Beryllium	2.20	2.25	2 (1)	20
Cadmium	2.24	2.41	7	20
Chromium	95.58	92.65	3	20
Cobalt	19.49	18.38	6	20
Copper	448.48	412.32	8	20
Lead	87.65	79.94	9	20
Molybdenum	107.51	95.93	11	20
Nickel	31.63	28.63	10	20
Selenium	1.08	N.D.	200* (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	2.01	1.76	13 (1)	20
Vanadium	48.48	47.75	2	20
Zinc	626.02	663.82	6	20
Batch number: 170815711002	Sample number(s): 8890784,8890788,8890792,8890796,8890800,8890804,8890808,8890812,8890816 BKG: P892445			
Mercury	0.0879	0.0810	8 (1)	20
Batch number: 170825708001	Sample number(s): 8890821,8890825,8890829,8890833,8890850,8890854,8890862,8890866 BKG: P892445			
Antimony	0.876	2.15	84* (1)	20
Arsenic	2.76	N.D.	200* (1)	20
Barium	160.78	4208.72	185*	20

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/kg	DUP Conc mg/kg	DUP RPD	DUP RPD Max
Beryllium	N.D.	0.167	200* (1)	20
Cadmium	0.208	0.115	58* (1)	20
Chromium	16.77	70.53	123*	20
Cobalt	1.04	2.36	77* (1)	20
Copper	4.74	9.48	67*	20
Lead	1391.19	554.75	86*	20
Molybdenum	0.345	0.242	35* (1)	20
Nickel	8.54	35.15	122*	20
Selenium	0.736	1.40	62* (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	N.D.	2.25	200* (1)	20
Vanadium	11.22	82.62	152*	20
Zinc	44.82	124.6	94*	20
Batch number: 170825711001      Sample number(s): 8890821,8890825,8890829,8890833,8890850,8890854,8890862,8890866 BKG: P886522				
Mercury	0.0619	0.140	77* (1)	20
Batch number: 170865708001      Sample number(s): 8890837,8890841,8890845,8890858,8890870,8890874 BKG: 8890870				
Antimony	1.26	0.980	25* (1)	20
Arsenic	5.08	4.14	21* (1)	20
Barium	96.52	120.8	22*	20
Beryllium	0.449	0.373	18 (1)	20
Cadmium	0.276	0.115	83* (1)	20
Chromium	59.8	35.43	51*	20
Cobalt	8.71	6.74	25*	20
Copper	5.03	7.20	35*	20
Lead	4.29	3.51	20 (1)	20
Molybdenum	1.25	1.15	8 (1)	20
Nickel	34.88	28.18	21*	20
Selenium	2.29	1.85	21* (1)	20
Silver	0.479	0.328	37* (1)	20
Thallium	3.55	3.02	16 (1)	20
Vanadium	63.3	49.56	24*	20
Zinc	61.02	51.29	17	20
Batch number: 170865711001      Sample number(s): 8890837,8890841,8890845,8890858,8890870,8890874 BKG: P898157				
Mercury	0.0250	0.0176	35* (1)	20
Batch number: 170861848001      Sample number(s): 8890820,8890849,8890878 BKG: P894626				
Antimony	N.D.	N.D.	0 (1)	20
Arsenic	N.D.	N.D.	0 (1)	20
Barium	0.131	0.129	2	20
Beryllium	N.D.	N.D.	0 (1)	20
Cadmium	N.D.	N.D.	0 (1)	20
Chromium	N.D.	N.D.	0 (1)	20
Cobalt	0.00226	0.00216	5 (1)	20

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Copper	N.D.	N.D.	0 (1)	20
Lead	N.D.	N.D.	0 (1)	20
Molybdenum	0.00580	0.00401	36* (1)	20
Nickel	N.D.	0.00293	200* (1)	20
Selenium	N.D.	N.D.	0 (1)	20
Silver	N.D.	N.D.	0 (1)	20
Thallium	N.D.	0.00944	200* (1)	20
Vanadium	0.00369	0.00400	8 (1)	20
Zinc	0.00566	0.00559	1 (1)	20
Batch number: 170865713002	Sample number(s): 8890820, 8890849, 8890878 BKG: P894624			
Mercury	N.D.	N.D.	0 (1)	20
Batch number: 170895705004	Sample number(s): 8890787, 8890853 BKG: P884187			
Chromium	0.199	0.213	7 (1)	20
Lead	0.436	0.456	5 (1)	20
Batch number: 170955705003	Sample number(s): 8890824 BKG: 8890824			
Chromium	0.213	0.203	5 (1)	20
Lead	N.D.	N.D.	0 (1)	20
	%	%		
Batch number: 17081820006A	Sample number(s): 8890866, 8890870, 8890874 BKG: P890740			
Moisture	19.94	19.08	4	5
Batch number: 17082820004A	Sample number(s): 8890784, 8890788, 8890792, 8890796, 8890800, 8890804, 8890808, 8890812, 8890816, 8890821 BKG: 8890796			
Moisture	13.8	13.8	0	5
Batch number: 17082820004B	Sample number(s): 8890825, 8890829, 8890833, 8890837, 8890841, 8890845, 8890850, 8890854, 8890858, 8890862 BKG: 8890837			
Moisture	23.91	23.76	1	5

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170812AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890784	100	99	106	81
8890788	100	101	103	88
8890792	100	99	102	86

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170812AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890796	100	100	102	87
8890800	100	99	102	87
8890804	99	100	101	97
8890808	100	96	103	88
8890812	100	99	102	87
8890816	100	97	104	84
8890821	101	99	106	80
8890825	102	106	101	89
Blank	97	100	102	90
LCS	97	98	104	96
LCSD	97	100	104	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- Solid by 8260B  
Batch number: B170821AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890829	98	101	102	91
8890833	99	104	100	91
8890837	97	98	102	87
8890841	102	101	102	85
8890845	99	96	102	88
8890850	101	103	101	88
8890854	102	103	102	87
8890858	102	104	100	88
8890862	101	102	101	87
8890866	103	106	100	85
8890870	105	105	104	81
8890874	104	106	101	89
Blank	98	104	101	92
LCS	99	105	104	98
LCSD	98	100	105	98
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: W170861AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8890820	102	102	97	95
8890849	102	104	98	94
8890878	102	104	97	95
Blank	100	102	98	95
LCS	101	104	100	99
LCSD	100	103	99	99
MS	101	103	99	98

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: W170861AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
MSD	101	98	99	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TCL 8270 (microwave)  
Batch number: 17081SLC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8890784	81	87	74	88	98	96
8890788	73	81	70	80	90	88
8890792	70	76	64	78	84	82
8890796	78	82	69	87	93	93
Blank	68	76	71	74	78	78
LCS	89	98	89	90	99	95
MS	90	98	83	90	97	96
MSD	84	93	80	89	99	100
Limits:	46-125	43-130	28-141	45-125	50-124	43-132

Analysis Name: TCL 8270 (microwave)  
Batch number: 17081SLD026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8890800	74	76	72	69	72	73
8890804	83	84	87	82	85	86
8890808	84	84	63	77	80	80
8890812	94	97	73	86	89	90
8890816	92	92	76	85	90	90
8890821	93	90	87	90	93	93
8890825	90	90	81	82	87	87
8890829	98	99	86	91	95	95
8890833	87	89	52	84	89	89
8890837	84	85	75	79	83	89
8890841	91	95	83	87	90	95
8890845	91	91	86	87	92	91
8890850	96	90	84	87	97	94
8890854	74	69	78	73	81	85
8890858	90	90	83	88	92	90
8890862	86	86	71	79	83	86
8890866	94	95	86	88	95	92
8890870	93	93	88	88	96	96
8890874	72	71	54	69	72	70
Blank	91	95	98	92	97	99
LCS	95	95	93	87	94	95
MS	93	94	82	87	96	93
MSD	99	100	85	94	99	95

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL 8270 (microwave)  
Batch number: 17081SLD026

Limits: 46-125                      43-130                      28-141                      45-125                      50-124                      43-132

Analysis Name: PAHs 8270C MINI  
Batch number: 17096WAT026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
8890875	72	79	71
Blank	53	55	68
LCS	78	84	83
LCSD	83	89	82

Limits: 29-119                      41-112                      38-125

Analysis Name: PCBs in Soil (microwave)  
Batch number: 170790038A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890784	86	93
8890788	96	101
8890796	96	102
Blank	108	109
LCS	107	109
MS	94	96
MSD	96	100

Limits: 53-140                      45-143

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170810021A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890784	77	94
8890788	92	99
8890796	86	98
8890804	84	94
8890821	90	86
8890825	86	93
8890829	86	97
8890833	88	106
8890850	84	79
8890854	80	92
8890862	46	61
Blank	92	109
LCS	94	108
MS	72	71
MSD	80	88

\*- Outside of specification

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## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Pesticides in Soil (microwave)  
Batch number: 170810021A

Limits: 26-145 39-152

Analysis Name: PCBs in Soil (microwave)  
Batch number: 170810030A

	Tetrachloro-m-xylene	Decachlorobiphenyl
8890804	104	111
8890821	105	101
8890825	103	104
8890829	101	104
8890833	106	107
8890850	109	107
8890854	112	112
8890862	96	91
Blank	108	110
LCS	104	111
MS	101	108
MSD	104	105

Limits: 53-140 45-143

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170790047A

	Orthoterphenyl	Capric Acid
8890820	33*	0
8890849	32*	0
8890878	33*	0
Blank	64	
LCS	70	
LCSD	58	

Limits: 50-150 0-1

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170800031A

	Orthoterphenyl
8890804	87
8890808	82
8890812	88
8890816	88
Blank	93
LCS	91
LCSD	102

Limits: 44-128

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Stantec  
Reported: 04/17/2017 16:38

Group Number: 1778236

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DRO/ORO soil w/Si Gel  
Batch number: 170810034A

	Orthoterphenyl
8890784	91
8890788	91
8890792	97
8890796	91
8890800	100
8890821	61
8890825	89
8890829	88
8890833	66
8890837	80
8890841	89
8890845	90
8890850	88
8890854	87
8890858	85
8890862	77
8890866	83
8890870	77
8890874	78
Blank	104
LCS	106
MS	82
MSD	90

Limits: 44-128

Analysis Name: DRO/DX Mini-Ext, Column SiGel  
Batch number: 170930009A

	Orthoterphenyl	Capric Acid
8890820RE	54	0
8890849RE	59	0
8890878RE	60	0
Blank	74	
LCS	73	
LCSD	64	

Limits: 50-150                      0-1

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 1 of 6  
4 of 455

13439/1778236/8890784-78 <sup>-878</sup> <sub>3/20/17</sub>

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

**Sampling**

**Container**

**Preservative**

**Matrix**

Sample Name

Date

Time

40 ml VOA x3

POLY

AMBER

Sleeve (Acetate)

HCl

HNO<sub>3</sub>

ICE

NONE

WATER

SOIL

EPA Method 8260 (VOCs)

EPA Method 8260 (TPH-gas)

EPA Method 8015 (TPHD) w/Si-Gel Cleanup

EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup

EPA Method 8270 (SVOCs)

EPA Method 6010 / 7471 (CAM-17 Metals)

EPA Method 8081 (Organochlorine Pesticide)

EPA Method 8082 (PCBs)

CARB Method 435 (Asbestos)

CA Waste Extraction Test (3 soluble metals)

Toxicity Characteristic Leaching Procedure

Number of Containers

12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)

For Lab Use Only

Sample Name	Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHD) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only
C6-1-1	3/16/17	1406	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-5		1420	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-10		1426	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-15		1438	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-20		1438	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-25		1444	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-30		1450	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-35		1455	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
C6-1-40		1500	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			1	STD	
<del>C6-1-W</del>		1510	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X			6	STD	

Relinquished by:

*[Signature]*

Date

3/16/17

Time

1700

Received by:

FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:10

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439/1778236/8890784-878



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 2 of 6

Project Contact (Hardcopy or PDF To):

Madelaïne Montilla

California EDF Report?

Yes  No

Chain-of-Custody Record and Analysis Request

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaïne.Montilla@stantec.com

Analysis Request

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaïne Montilla  
Phone: 408-827-3534

Sampling

Container

Preservative

Matrix

Sample Name

Date

Time

40 ml VOA X3

POLY

AMBER

Sleeve (Acetate)

HCl

HNO<sub>3</sub>

ICE

NONE

WATER

SOIL

EPA Method 8260 (VOCs)

EPA Method 8260 (TPH-gas)

EPA Method 8015 (TPHd) w/Si-Gel Cleanup

EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup

EPA Method 8270 (SVOCs)

EPA Method 6010 / 7471 (CAM-17 Metals)

EPA Method 8081 (Organochlorine Pesticide)

EPA Method 8082 (PCBs)

CARB Method 435 (Asbestos)

CA Waste Extraction Test (3 soluble metals)

Toxicity Characteristic Leaching Procedure

Number of Containers

12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)

TAT

For Lab Use Only

Relinquished by:

Date

3/16/17

Time

1510

Received by:

FedEX

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

Bill To: Madelaïne Montilla

Stantec

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Los Gatos, CA 95032

13439/1778236/8890784-878



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Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 3 of 6

Project Contact (Hardcopy or PDF To): Madeline Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																																																		
Laboratory / Address: Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): Madeline.Montilla@stantec.com		<b>Analysis Request</b>																																																		
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="12"></td> <td style="text-align: center;">TAT</td> </tr> <tr> <td colspan="12"></td> <td style="text-align: center;">12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)</td> </tr> <tr> <td colspan="12"></td> <td style="text-align: center;">For Lab Use Only</td> </tr> </table>																								TAT													12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)													For Lab Use Only
																TAT																																						
												12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)																																										
												For Lab Use Only																																										
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa																																																				
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA																																																				
Project Manager: Madeline Montilla Phone: 408-827-3534		<b>Sampling</b>		<b>Container</b>			<b>Preservative</b>				<b>Matrix</b>																																											
<b>Sample Name</b>		<b>Date</b>	<b>Time</b>	40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (\$ soluble metals)	Toxicity Characteristic Leaching Procedure								Number of Containers																						
C7-3-1		3/15/17	1640	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X													1	STD																		
C7-3-5		3/16/17	0926	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X													1	STD																		
<del>SS C7-3-10</del>				X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														1	STD																		
<del>SS C7-3-15</del>				X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														1	STD																		
C7-3-20		3/16/17	0856	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X													1	STD																		
C7-3-25		3/16/17	0907	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X													1	STD																		
C7-3-30		3/16/17	0913	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														1	STD																		
C7-3-35		3/16/17	0920	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														1	STD																		
C7-3-40		3/16/17	0940	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														1	STD																		
<del>SS C7-3-W</del>		3/16/17	0955	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X														6	STD																		
Relinquished by: 		Date 3/16/17	Time 1700	Received by: Fed Ex		Remarks: Hold ALL samples for further TCLP or STLC analysis.																																																
Relinquished by:		Date	Time	Received by:																																																		
Relinquished by:		Date	Time	Received by Laboratory: 3/18/17 10:10																																																		
												Bill To: Madeline Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																																										

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15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 4 of 6

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

Chain-of-Custody Record and Analysis Request

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

Analysis Request

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

Sampling

Container

Preservative

Matrix

Sample Name

Date

Time

40 ml VOA x3

POLY

AMBER

Sleeve (Acetate)

HCl

HNO<sub>3</sub>

ICE

NONE

WATER

SOIL

EPA Method 8260 (VOCs)

EPA Method 8260 (TPH-gas)

EPA Method 8015 (TPHd) w/Si-Gel Cleanup

EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup

EPA Method 8270 (SVOCs)

EPA Method 6010 / 7471 (CAM-17 Metals)

EPA Method 8081 (Organochlorine Pesticide)

EPA Method 8082 (PCBs)

CARB Method 435 (Asbestos)

CA Waste Extraction Test (3 soluble metals)

Toxicity Characteristic Leaching Procedure

Number of Containers

12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)

TAT

For Lab Use Only

Relinquished by:

*[Signature]*

Date

3/16/17

Time

0955

Received by:

FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:10

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439/1778236/8890784-878



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 5 of 6

Project Contact (Hardcopy or PDF To): Madelaine Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																												
Laboratory / Address: Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): Madelaine.Montilla@stantec.com		Analysis Request												TAT																
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:																														
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa																														
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA																														
Project Manager: Madelaine Montilla Phone: 408-827-3534		Sampling		Container			Preservative				Matrix																					
Sample Name		Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure					Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only	
C7-4-1	3/16/17	1107	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X							1	STD	
C7-4-5		1118	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
<del>C7-4-10</del> C7-4-9		1120	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
C7-4-15		1126	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
<del>C7-4-20</del>			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X	X	X							1	STD	
<del>C7-4-25</del>			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X	X	X							1	STD	
C7-4-30	3/16/17	1156	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
C7-4-35		1206	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
C7-4-40		1210	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X							1	STD	
<del>C7-4-W</del>		1220				X			X			X		X	X	X	X	X	X	X	X	X								1	STD	
Relinquished by:		Date	Time	Received by:		Remarks:																										
		3/16/17	1700	FedEx		Hold ALL samples for further TCLP or STLC analysis.																										
Relinquished by:		Date	Time	Received by:																												
Relinquished by:		Date	Time	Received by Laboratory:		Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																										
				3/18/17 10:10																												

13439/1778236/8890784-878



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 6 of 6

Project Contact (Hardcopy or PDF To): Madelaine Montilla		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																									
Laboratory / Address: Eurofins-Lancaster Labs. 2425 New Holland Pike, Lancaster, PA 17601		Electronic Deliverables To (Email Address): <u>Madelaine.Montilla@stantec.com</u>																											
Lab Phone No.: 717-656-2300 ext:1073	Lab PM: David Velasquez	Global ID No:		<b>Analysis Request</b>																									
Project Number: 185703649.200.0001	P.O. No.:	Samplers Name: Sergio Schirripa																											
Project Name: City of Palo Alto: Lots C-6 & C-7		Project Address: Birch Street Between Jacaranda and Sherman, Palo Alto, CA		<b>For Lab Use Only</b>																									
Project Manager: Madelaine Montilla Phone: 408-827-3534																													
<b>Sample Name</b>		<b>Sampling</b>		<b>Container</b>				<b>Preservative</b>				<b>Matrix</b>																	
		Date	Time	40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																
													EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHD) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure			Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)		
<del>C7-4-1</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>C7-4-5</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>C7-4-10</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>C7-4-15</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>C7-4-20</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X		X				1	STD	
<del>C7-4-25</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>G7-4-30</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>C7-4-35</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
<del>G7-4-40</del>				X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X						1	STD	
C7-4-W		3/16/17	1700	X	X	X	Box			X		X	X	X	X	X	X	X	X	X						6	STD		
Relinquished by: 		Date 3/16/17	Time 1700	Received by: 		Remarks: Hold ALL samples for further TCLP or STLC analysis.																							
Relinquished by:		Date	Time	Received by:																									
Relinquished by:		Date	Time	Received by Laboratory: 3/18/17 10:10																									
						Bill To: Madelaine Montilla Stantec 15575 Los Gatos Blvd., Building C Los Gatos, CA 95032																							



Client: Stantec

**Delivery and Receipt Information**

Delivery Method: Fed Ex                      Arrival Timestamp: 03/18/2017 10:10  
 Number of Packages: 4                              Number of Projects: 2  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Zane Hollinger (10251) at 14:08 on 03/18/2017*

**Samples Chilled Details**

Thermometer Types:    *DT = Digital (Temp. Bottle)*    *IR = Infrared (Surface Temp)*    *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	3.0	DT	Wet	Y	Bagged	N
2	DT146	1.7	DT	Wet	Y	Bagged	N
3	DT146	1.1	DT	Wet	Y	Bagged	N
4	DT146	1.4	DT	Wet	Y	Bagged	N



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Stantec  
15575 Los Gatos Boulevard  
Building C  
Los Gatos CA 95032

Report Date: April 12, 2017

**Project: City of Palo Alto: Lots C-6 & C-7**Submittal Date: 03/18/2017  
Group Number: 1778238  
PO Number: 185703649.200.0003

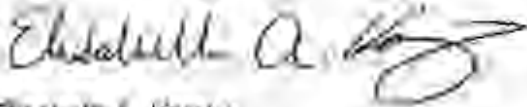
<u>Client Sample Description</u>	Lancaster Labs (LL) #
C6-1-1 Soil	8890881
C6-1-5 Soil	8890882
C6-1-20 Soil	8890883
C7-3-1 Soil	8890884
C7-3-5 Soil	8890885
C7-3-20 Soil	8890886
C7-4-1 Soil	8890887
C7-4-5 Soil	8890888
C7-4-15 Soil	8890889

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Stantec

Attn: Madelaine Montilla

Respectfully Submitted,

  
Elizabeth A. Kinsley  
Project Manager

(717) 556-7262

Sample Description: C6-1-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890881  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:06

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C6-1-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890882  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:20

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

Sample Description: C6-1-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890883  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 14:38

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

Sample Description: C7-3-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890884  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/15/2017 16:40

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-3-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890885  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:26

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in Cinnaminson, NJ.  
See attached report.

Sample Description: C7-3-20 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890886  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 08:56

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.



Sample Description: C7-4-1 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890887  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:07

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-4-5 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890888  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:18

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

Sample Description: C7-4-15 Soil  
City of Palo Alto: Lots C-6 & C-7

LL Sample # SW 8890889  
LL Group # 1778238  
Account # 13439

Project Name: City of Palo Alto: Lots C-6 & C-7

Collected: 03/16/2017 11:26

Stantec

Submitted: 03/18/2017 10:10

15575 Los Gatos Boulevard

Reported: 04/12/2017 09:12

Building C

Los Gatos CA 95032

---

### Sample Comments

The analysis for Asbestos was subcontracted to EMSL Analytical, Inc. in  
Cinnaminson, NJ.  
See attached report.

## Quality Control Summary

Client Name: Stantec  
Reported: 04/12/2017 09:12

Group Number: 1778238

---

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page \_\_\_\_\_

1 of 6  
4 of 455

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

Chain-of-Custody Record and Analysis Request

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

Analysis Request

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

Sampling

Container

Preservative

Matrix

Sample Name	Date	Time	Sampling				Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPH) w/Sl-Gel Cleanup	EPA Method 8015 (TPH-ot) w/Sl-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure			Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	TAT	For Lab Use Only			
			40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																								
C6-1-1	3/16/17	1406	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C6-1-5		1420	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD	
C6-1-10		1426	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-15		1430	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-20		1438	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-25		1444	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-30		1450	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-35		1455	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
C6-1-40		1500	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	STD		
<del>C6-1-W</del>		<del>1510</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>6</del>	<del>STD</del>			

Relinquished by:

*[Signature]*

Date

3/16/17

Time

1700

Received by:

*[Signature]* FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:20

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439 | 1778238 | 8890881-89



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 2 of 6

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

**Sampling**

**Container**

**Preservative**

**Matrix**

Sample Name	Date	Time	Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-ol) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure			Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	TAT	For Lab Use Only	
			40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																		
<del>44</del> C6-1-1			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X							1	STD	
<del>45</del> C6-1-5			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X							1	STD	
<del>45</del> G6-1-10			X	X	X			X	X	X			X	X	X	X	X											1	STD	
<del>45</del> C6-1-15			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X							1	STD	
<del>45</del> C6-1-20			X	X	X			X	X	X			X	X	X	X	X			X								1	STD	
<del>45</del> G6-1-25			X	X	X			X	X	X			X	X	X	X	X	X	X	X	X							1	STD	
<del>45</del> C6-1-30			X	X	X			X	X	X			X	X	X	X	X											1	STD	
<del>45</del> C6-1-35			X	X	X			X	X	X			X	X	X	X	X											1	STD	
<del>45</del> C6-1-40			X	X	X			X	X	X			X	X	X	X	X											1	STD	
C6-1-W	3/16/17	1510	X	X	X			X	X	X			X	X	X	X	X										6	STD		

Relinquished by:

Date

3/16/17

Time

1700

Received by:

FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

3/16/17 10:10

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439 | 1778238 | 8890881-89



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 3 of 6

**Project Contact (Hardcopy or PDF To):**  
Madelaine Montilla

**Laboratory / Address:**  
Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

**Lab Phone No.:** 717-656-2300 ext:1073  
**Lab PM:** David Velasquez

**Project Number:** 185703649.200.0001  
**P.O. No.:**

**Project Name:** City of Palo Alto: Lots C-6 & C-7

**California EDF Report?**  Yes  No

**Electronic Deliverables To (Email Address):**  
Madelaine.Montilla@stantec.com

**Global ID No:**

**Samplers Name:** Sergio Schirripa

**Project Address:** Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Chain-of-Custody Record and Analysis Request																	TAT	For Lab Use Only								
Analysis Request																										
Sample Name	Date	Time	40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCS)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	
C7-3-1	3/15/17	1640	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
C7-3-5	3/16/17	0826	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
<del>SS-C7-3-10</del>			<del>X</del>	<del>X</del>	<del>XSS</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>			<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>			1	STD
<del>SS-C7-3-15</del>			<del>X</del>	<del>X</del>	<del>XSS</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>			<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>			1	STD
C7-3-20	3/16/17	0856	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
C7-3-25	3/16/17	0907	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
C7-3-30	3/16/17	0913	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
C7-3-35	3/16/17	0920	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
C7-3-40	3/16/17	0940	X	X	XSS	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			1	STD
<del>SS-C7-3-W</del>	3/16/17	0955	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X			6	STD

**Relinquished by:** [Signature] **Date:** 3/16/17 **Time:** 1700 **Received by:** FED EX

**Relinquished by:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_ **Received by:** \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_ **Received by Laboratory:** [Signature] 3/18/17 10:10

**Remarks:**  
Hold ALL samples for further TCLP or STLC analysis.

**Bill To:** Madelaine Montilla  
Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 4 of 6

13439 / 1778238 / 8890881 - 89

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

**Analysis Request**

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

**Sampling**

**Container**

**Preservative**

**Matrix**

Sample Name	Date	Time	Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPH) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oi) w/Si-Gel Clean.	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/ STD (1 wk)	For Lab Use Only
			40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL														
<del>C7-3-1</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-5</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-10</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-15</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-20</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-25</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-30</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-35</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
<del>C7-3-40</del>			X	X	X					X	X	X			X	X	X	X	X	X	X			1	STD	
C7-3-W	3/16/17	0955	X	X	X					X	X	X			X	X	X	X	X	X	X				STD	

Relinquished by:

*[Signature]*

Date

3/16/17

Time

1700

Received by:

*[Signature]* FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:10

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032



13439/1778238/8890881-89



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 5 of 6

Project Contact (Hardcopy or PDF To):

Madeline Montilla

California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madeline.Montilla@stantec.com

**Analysis Request**

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madeline Montilla  
Phone: 408-827-3534

**Sampling**

**Container**

**Preservative**

**Matrix**

Sample Name	Date	Time	Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	TAT	For Lab Use Only
			40 ml VOA X3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL															
C7-4-1	3/16/17	1107	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
C7-4-5		1118	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
<del>587-4-10</del> C7-4-9		1120	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
C7-4-15		1126	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
<del>C7-4-20</del>			X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
<del>SS-C7-4-25</del>			X	X	X		X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
C7-4-30	3/16/17	1156	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
C7-4-35		1206	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
C7-4-40		1210	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X			1	STD		
<del>C7-4-W</del>		1220				X			X			X	X	X	X			X							STD		

Relinquished by:

*[Signature]*

Date

3/16/17

Time

1700

Received by:

*[Signature]* FedEX

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:10

Bill To: Madeline Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

13439 | 1778238 | 8890881-89



Stantec Consulting Corporation  
15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

Lab No. \_\_\_\_\_

Page 6 of 6

Project Contact (Hardcopy or PDF To):

Madelaine Montilla

California EDF Report?  Yes  No

Chain-of-Custody Record and Analysis Request

Laboratory / Address:

Eurofins-Lancaster Labs.  
2425 New Holland Pike, Lancaster, PA 17601

Electronic Deliverables To (Email Address):

Madelaine.Montilla@stantec.com

Analysis Request

Lab Phone No.:

717-656-2300 ext:1073

Lab PM:

David Velasquez

Global ID No:

Project Number:

185703649.200.0001

P.O. No.:

Samplers Name:

Sergio Schirripa

Project Name:

City of Palo Alto: Lots C-6 & C-7

Project Address:

Birch Street Between Jacaranda and Sherman, Palo Alto, CA

Project Manager:

Madelaine Montilla  
Phone: 408-827-3534

Sampling

Container

Preservative

Matrix

Sample Name	Date	Time	Sampling				Container				Preservative				Matrix		EPA Method 8260 (VOCs)	EPA Method 8260 (TPH-gas)	EPA Method 8015 (TPHd) w/Si-Gel Cleanup	EPA Method 8015 (TPH-oil) w/Si-Gel Cleanup	EPA Method 8270 (SVOCs)	EPA Method 6010 / 7471 (CAM-17 Metals)	EPA Method 8081 (Organochlorine Pesticide)	EPA Method 8082 (PCBs)	CARB Method 435 (Asbestos)	CA Waste Extraction Test (3 soluble metals)	Toxicity Characteristic Leaching Procedure	Number of Containers	12 hr/ 24 hr/ 48 hr/ 72 hr/STD (1 wk)	For Lab Use Only		
			40 ml VOA x3	POLY	AMBER	Sleeve (Acetate)	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																				
<del>C7-4-1</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-5</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-10</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-15</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-20</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-25</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-30</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-35</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
<del>C7-4-40</del>	<del>3/16/17</del>	<del>1700</del>	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					1	STD	
C7-4-W	3/16/17	1700	X	X	X					X	X	X				X	X	X	X	X	X	X	X	X	X					6	STD	

Relinquished by:

*[Signature]*

Date

3/16/17

Time

1700

Received by:

*[Signature]* FedEx

Remarks:

Hold ALL samples for further TCLP or STLC analysis.

Relinquished by:

*[Signature]*

Date

Time

Received by:

Relinquished by:

*[Signature]*

Date

Time

Received by Laboratory:

*[Signature]* 3/18/17  
10:10

Bill To: Madelaine Montilla

Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032



Client: Stantec

**Delivery and Receipt Information**

Delivery Method: Fed Ex                      Arrival Timestamp: 03/18/2017 10:10  
 Number of Packages: 4                              Number of Projects: 2  
 State/Province of Origin: CA

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Zane Hollinger (10251) at 14:08 on 03/18/2017*

**Samples Chilled Details**

Thermometer Types:    DT = Digital (Temp. Bottle)    IR = Infrared (Surface Temp)    All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	3.0	DT	Wet	Y	Bagged	N
2	DT146	1.7	DT	Wet	Y	Bagged	N
3	DT146	1.1	DT	Wet	Y	Bagged	N
4	DT146	1.4	DT	Wet	Y	Bagged	N



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

**EMSL Order:** 041708148  
**Customer ID:** LANC55  
**Customer PO:**  
**Project ID:**

**Attention:** Janine Eaby  
Eurofins Lancaster Laboratories, Inc.  
2425 New Holland Pike  
Lancaster, PA 17601  
**Phone:** (717) 656-2300  
**Fax:** (717) 656-2681  
**Received:** 03/24/2017 9:30 AM  
**Analysis Date:** 04/07/2017  
**Collected:** 03/16/2017  
**Project:** Group 1778238

## Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
C6-1-1 041708148-0001		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C6-1-5 041708148-0002		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C6-1-20 041708148-0003		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-3-1 041708148-0004		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-3-5 041708148-0005		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-3-20 041708148-0006		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-4-1 041708148-0007		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-4-5 041708148-0008		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C7-4-15 041708148-0009		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from: 04/07/2017 11:21:42



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

**EMSL Order:** 041708148  
**Customer ID:** LANC55  
**Customer PO:**  
**Project ID:**

**Attention:** Janine Eaby  
Eurofins Lancaster Laboratories, Inc.  
2425 New Holland Pike  
Lancaster, PA 17601  
**Project:** Group 1778238

**Phone:** (717) 656-2300  
**Fax:** (717) 656-2681  
**Received:** 03/24/2017 9:30 AM  
**Analysis Date:** 04/07/2017  
**Collected:** 03/16/2017


## Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type

Analyst(s)  

---

Benjamin Verghese (9)

---

Benjamin Ellis, Laboratory Manager  
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from: 04/07/2017 11:21:42



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041708148

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (856) 858-4800  
FAX: (856) 858-4960

Company : Eurofins Lancaster Laboratories Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 2425 New Holland Pike		<i>Third Party Billing requires written authorization from third party</i>	
City: Lancaster	State/Province: PA	Zip/Postal Code: 17601	Country: USA
Report To (Name): Janine Eaby		Fax #: 717-656-6766	
Telephone #: 656-2300 x1520		Email Address: JanineEaby@eurofinsUS.com	
Project Name/Number: Group 1778238			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Purchase Order: <input type="checkbox"/> U.S. State Samples Taken: CA			

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input checked="" type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.1% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <b>Other:</b> <input type="checkbox"/>
--	--	--

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: N/A	Samplers Signature: <i>[Signature]</i>
--------------------	--

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
8890881	C6-1-1		03/16/2017 14:06
8890882	C6-1-5		03/16/2017 14:20
8890883	C6-1-20		03/16/2017 14:38
8890884	C7-3-1		03/15/2017 16:40
8890885	C7-3-5		03/16/2017 08:26
8890886	C7-3-20		03/16/2017 08:56
8890887	C7-4-1		03/16/2017 11:07
8890888	C7-4-5		03/16/2017 11:18

Client Sample # (s): 8890881 - 8890889      Total # of Samples: 9

Relinquished (Client): *Janine Eaby*      Date: 3/23/17      Time: 16:55

Received (Lab): *Bob*      Date: 3/24/17      Time: 9:30

Comments/Special Instructions: CA EDF Report required. Report multiple trials. Use client Id under Sample Description.

9



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041708148

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (856) 858-4800  
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
8890889	C7-4-15		03/16/2017 11:26

REMOVED  
EMSL  
CINNAMINSON, N.J.  
2017 MAR 24 P 10:56

\*Comments/Special Instructions:

James Eckert  
Beb \* 3/23/17 3/24/17 1615 930

(9)

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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# **ATTACHMENT 3**

## **Waste Disposal Documents**

NO. 733534

# NON-HAZARDOUS WASTE DATA FORM

BEST # 281691

GENERATOR	Generator's Name and Mailing Address CITY OF PALO ALTO PUBLIC WORKS 250 HAMILTON AVENUE PALO ALTO, CA 94301		Generator's Site Address (if different than mailing address) CITY OF PALO ALTO PARKING LOTS C-8 AND C-7 AREA BOUNDED BY ASH AVE., JACARANDA LN., SHERMAN AVE., AND PARK AVE. PALO ALTO, CA 94306																		
	Generator's Phone: _____		Container type transported to receiving facility:																		
	Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		<input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____																		
	Quantity <u>001</u>		Quantity _____ Volume _____																		
	WASTE DESCRIPTION <u>NON-HAZARDOUS SOIL</u>		GENERATING PROCESS <u>SITE INVESTIGATION (DRILL CUTTINGS)</u>																		
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">COMPONENTS OF WASTE</th> <th style="width:10%;">PPM</th> <th style="width:10%;">%</th> </tr> </thead> <tbody> <tr> <td>1. <u>SOIL</u></td> <td></td> <td><u>100%</u></td> </tr> <tr> <td>2. _____</td> <td></td> <td></td> </tr> </tbody> </table>		COMPONENTS OF WASTE	PPM	%	1. <u>SOIL</u>		<u>100%</u>	2. _____			<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">COMPONENTS OF WASTE</th> <th style="width:10%;">PPM</th> <th style="width:10%;">%</th> </tr> </thead> <tbody> <tr> <td>3. _____</td> <td></td> <td></td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> </tr> </tbody> </table>		COMPONENTS OF WASTE	PPM	%	3. _____			4. _____		
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1. <u>SOIL</u>		<u>100%</u>																			
2. _____																					
COMPONENTS OF WASTE	PPM	%																			
3. _____																					
4. _____																					
Waste Profile <u>070129043-13199</u> PROPERTIES: pH _____		<input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____																			
HANDLING INSTRUCTIONS: _____																					
Generator Printed/Typed Name <u>COLETTE CHEW</u>		Signature <u>COLETTE CHEW</u>																			
		Month Day Year <u>5   31   17</u>																			
The Generator certifies that the waste as described is 100% non-hazardous																					
TRANSPORTER	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-480-5200</u>																		
	Transporter 1 Printed/Typed Name <u>Frank Torres</u>		Signature <u>Frank Torres</u>																		
			Month Day Year <u>5   31   17</u>																		
	Transporter 2 Company Name		Phone#																		
	Transporter 2 Printed/Typed Name		Signature																		
		Month Day Year 																			
Transporter Acknowledgment of Receipt of Materials																					
RECEIVING FACILITY	Designated Facility Name and Site Address U.S. ECOLOGY, NEVADA OPERATIONS HIGHWAY 95, 11 MILES S. OF BEATTY BEATTY, NV 89003		Phone# <u>775-503-2203</u>																		
	Printed/Typed Name		Signature																		
			Month Day Year 																		
Designated Facility Owner or Operator; Certification of receipt of materials covered by this data form.																					

NON-HAZARDOUS WASTE DATA FORM

BEST # 281691

GENERATOR	Generator's Name and Mailing Address CITY OF PALO ALTO PUBLIC WORKS 250 HAMILTON AVENUE PALO ALTO, CA 94301		Generator's Site Address (if different than mailing address) CITY OF PALO ALTO PARKING LOTS C-6 AND C-7 AREA BOUNDED BY ASH AVE., JACARANDA LN., SHERMAN AVE., AND PARK AVE. PALO ALTO, CA 94306																		
	Generator's Phone:																				
	Container type removed from site: <input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck  <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck  <input type="checkbox"/> Other _____																		
	Quantity _____		Quantity _____ Volume _____																		
	WASTE DESCRIPTION <u>NON-HAZARDOUS WASTE LIQUIDS</u>		GENERATING PROCESS <u>DECON WATER</u>																		
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COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%																
1. <u>WATER</u>		<u>95-100%-</u>	3. <u>SOLIDS</u>		<u>0-5%</u>																
2. <u>TPH</u>		<u>&lt; 1%</u>	4. _____		_____																
Generator Printed/Typed Name <u>COLETTE CHEW</u>		Signature <u>Collette</u>		Month _____ Day _____ Year _____																	
The Generator certifies that the waste as described is 100% non-hazardous																					
TRANSPORTER	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-460-5200</u>																		
	Transporter 1 Printed/Typed Name		Signature		Month _____ Day _____ Year _____																
	Transporter Acknowledgment of Receipt of Materials																				
	Transporter 2 Company Name <u>NIETO &amp; SONS TRUCKING, INC.</u>		Phone# <u>714-990-6855</u>																		
	Transporter 2 Printed/Typed Name		Signature		Month _____ Day _____ Year _____																
Transporter Acknowledgment of Receipt of Materials																					
RECEIVING FACILITY	Designated Facility Name and Site Address <u>DEMENNO KERDOON</u> <u>2000 N. ALAMEDA ST.</u> <u>COMPTON, CA 90222</u>		Phone# <u>310-537-7100</u>																		
	Printed/Typed Name		Signature		Month _____ Day _____ Year _____																
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.																				

NO. 733535

NON-HAZARDOUS WASTE DATA FORM

BESI # 281691

GENERATOR	Generator's Name and Mailing Address CITY OF PALO ALTO PUBLIC WORKS 250 HAMILTON AVENUE PALO ALTO, CA 94301		Generator's Site Address (if different than mailing address) CITY OF PALO ALTO PARKING LOTS C-8 AND C-7 AREA BOUNDED BY ASH AVE., JACARANDA LN., SHERMAN AVE., AND PARK AVE. PALO ALTO, CA 94308	
	Generator's Phone:			
	Container type removed from site: <input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____	
	Quantity <u>001</u>		Quantity <u>001</u> Volume <u>0.10 gal</u>	
	WASTE DESCRIPTION <u>NON-HAZARDOUS WASTE LIQUIDS</u>		GENERATING PROCESS <u>DECON WATER</u>	

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. <u>WATER</u>		<u>95-100%</u>	3. <u>SOLIDS</u>		<u>0-5%</u>
2. <u>TPH</u>		<u>&lt; 1%</u>	4. _____		

Waste Profile \_\_\_\_\_ PROPERTIES: pH 4-10     SOLID     LIQUID     SLUDGE     SLURRY     OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: \_\_\_\_\_

Generator Printed/Typed Name <u>COLETTE CHEW</u>	Signature <u>[Signature]</u>	Month <u>5</u>	Day <u>31</u>	Year <u>17</u>
---	---------------------------------	-------------------	------------------	-------------------

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-460-6200</u>	
	Transporter 1 Printed/Typed Name <u>Frank Jones</u>		Signature <u>[Signature]</u>	
	Transporter 2 Company Name <u>NIETO &amp; SONS TRUCKING, INC.</u>		Phone# <u>714-990-6855</u>	
	Transporter 2 Printed/Typed Name		Signature	

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY	Designated Facility Name and Site Address <u>DEMENNO KERDOON</u> <u>2000 N. ALAMEDA ST.</u> <u>COMPTON, CA 90222</u>		Phone# <u>310-637-7100</u>	
	Printed/Typed Name		Signature	
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.			

NO. 733534

NON-HAZARDOUS WASTE DATA FORM

BEST # 281691

GENERATOR

Generator's Name and Mailing Address: CITY OF PALO ALTO PUBLIC WORKS, 250 HAMILTON AVENUE, PALO ALTO, CA 94301

Generator's Site Address (if different than mailing address): CITY OF PALO ALTO PARKING LOTS C-6 AND C-7 AREA BOUNDED BY ASH AVE., JACARANDA LN., SHERMAN AVE., AND PARK AVE. PALO ALTO, CA 94308

Generator's Phone: \_\_\_\_\_

Container type removed from site:  Drums  Vacuum Truck  Roll-off Truck  Dump Truck  Other \_\_\_\_\_

Container type transported to receiving facility:  Drums  Vacuum Truck  Roll-off Truck  Dump Truck  Other \_\_\_\_\_

Quantity \_\_\_\_\_ Volume \_\_\_\_\_

WASTE DESCRIPTION: NON-HAZARDOUS SOIL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		100%	3. _____		
2. _____			4. _____		

GENERATING PROCESS: SITE INVESTIGATION (DRILL CUTTINGS)

Waste Profile \_\_\_\_\_ PROPERTIES:  SOLID  LIQUID  SLUDGE  SLURRY  OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: \_\_\_\_\_

Generator Printed/Typed Name: COLETTE CHEW

Signature: *Colette Chew*

Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE

Transporter 1 Printed/Typed Name: \_\_\_\_\_

Transporter 1 Signature: \_\_\_\_\_

Transporter 1 Phone#: 949-480-5200

Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

Transporter 2 Company Name: \_\_\_\_\_

Transporter 2 Printed/Typed Name: \_\_\_\_\_

Transporter 2 Signature: \_\_\_\_\_

Transporter 2 Phone#: \_\_\_\_\_

Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

RECEIVING FACILITY

Designated Facility Name and Site Address: U.S. ECOLOGY, NEVADA OPERATIONS, HIGHWAY 95, 11 MILES S. OF BEATTY, BEATTY, NV 89003

Designated Facility Owner or Operator: \_\_\_\_\_

Signature: \_\_\_\_\_

Phone#: 775-553-2203

Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Summary: PSB Project EIR Potential Impact Topics and Mitigated Impacts

The potential impacts below discussed in the Draft EIR and Final EIR chapters are mitigated to “less than significant” levels.

**Air Quality:** The potential impacts from project construction emissions and construction health risks are identified in Section 5.3.6 of the Draft EIR. Mitigation Measure 5-1 is for the use of BAAQMD-recommended “Additional Construction Measures”, construction equipment restrictions, and preparation of a Construction Risk Reduction Plan before construction activity commences OR implementation of off-site mitigation.

**Biological Resources:** The potential impacts on nesting birds (from removal of 38 trees) discussed in Section 6.3.2 of the Draft EIR. Mitigation Measure 6-1 calls for a survey and for construction to occur outside the avian nesting season (that is, prior to February 1 or after August 31), with additional monitoring by a qualified biologist. Mitigation Measure 6-2 addresses the replacement of trees consistent with City of Palo Alto Tree Protection and Management Regulations (PAMC 8.10), the Tree Technical Manual (PAMC 8.10.130), and the protocols and standards of the Urban Forestry Division. The measure notes that, if the tree canopy cannot be replaced on-site, the canopy shall be replaced off-site as close to the project site as feasible. Tree removal permit is required, and if trees are being replaced off-site, a Tree Planting Plan is required prior to issuance of a building permit and replacement trees are to be monitored by a qualified arborist for two years after initial planting.

**Cultural and Historic Resources:** The potential disturbance of (as-yet undiscovered) archaeological or paleontological resources by construction (e.g., excavation for underground parking and utilities) and unanticipated discovery of tribal cultural resources are discussed in Sections 7.3.2 of the Draft EIR. Mitigation Measure 7-1 requires retention of a qualified professional archaeologist and a professionally qualified paleontologist, sensitivity training for construction personnel prior to commencement of excavation activities, cessation of ground-disturbing activities upon any discovery, implementation of a treatment plan by a qualified professional archaeologist, conducting spot checks, monitoring excavation activities, and collection and preparation of paleontological resources by a qualified paleontologist. Mitigation measure 7-2 includes measures to protect as-yet undiscovered tribal cultural resources, including evaluation by a qualified archaeologist, consultation with an appropriate Native American representative, and implementing a mitigation plan.

**Geology and Soils:** The Project's proposed excavation and grading activities potential impacts with respect to safety or stability (geotechnical hazards) are discussed in Section 8.3.3 of the Draft EIR. A construction-level geotechnical investigation is noted as needed to adequately address all grading and excavation activities along with supervision by an engineering geologist or geotechnical engineer during Project grading and construction.

Mitigation Measure 8-1 includes measures to ensure the safety and stability of all Project improvements, including the structures and associated infrastructure.

**Hazards and Hazardous Materials:** The potential Project-related exposure to existing soil or groundwater contamination is discussed in Section 10.3.3 of the Draft EIR. The Mitigation Measure 10-1 includes measures to ensure that the Project would not result in soil or groundwater contamination.

**Noise:** Project construction noise is discussed in Section 13.3.2 of the Draft EIR. Noise would be from site preparation, excavation and grading, utility trenching, construction of a new parking garage and public safety building, and application of architectural coatings would be in excess of 10 dB above ambient conditions at sensitive receptor locations for several hours a day for a period of approximately 16 to 21 months. Mitigation Measure 13-1 mandates that specific noise control measures be included in contract specifications, such as work hour and construction noise restrictions; construction equipment care, siting, and design measures; temporary noise barriers; a Construction Noise Control Plan; and a Construction Noise Monitoring Plan.

**Project Ground-borne Vibration Levels:** Project construction activities that could generate perceptible ground-borne vibration are discussed in Section 13.3.2 of the Draft EIR. Perceptible ground-borne vibration at adjacent buildings, including residential buildings for a period of approximately 8 months would be mitigated with implementation of Mitigation Measure 13-2, which mandates that specific ground-borne vibration control measures be included in contract specifications, such as vibratory equipment prohibitions, notice to adjacent property owners and occupants, and a Construction Vibration Mitigation Plan.

**Project Operational Noise:** The impact from noise generated by the parking garage ventilation fans and the Public Safety Building generator, fire pump, and heating and air conditioning equipment and shielding or other means of attenuation is discussed in Section 13.3.2 of the Draft EIR. Mitigation Measure 13-3 mandates that specific operational noise control measures be included in contract specifications, such as the siting of noise-generating equipment away from residential areas; enclosing and shielding noise-generating equipment; and a subsequent acoustical analysis based on the final project design.

**Table 2-1  
SUMMARY OF POTENTIALLY SIGNIFICANT IMPACTS AND RECOMMENDED MITIGATION MEASURES**

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<i>AIR QUALITY</i>				
<p><b>Impact 5-1: Construction Toxic Air Contaminant Emissions.</b> Project construction would expose sensitive receptors located adjacent to and in close proximity of the proposed project site to localized, outdoor concentrations of DPM and PM<sub>2.5</sub> that could exceed BAAQMD risk thresholds even with the implementation of feasible mitigation measures. This project-related effect is considered to represent a <b>potentially significant impact</b>.</p>	S	<p><b>Mitigation 5-1.</b> To reduce potential short-term adverse health risks associated with PM2.5 emissions, including emissions of diesel particulate matter (DPM), generated during project construction activities, the City and/or it's designated contractors, contractor's representatives, or other appropriate personnel shall:</p> <p>1. <i>Implement BAAQMD-recommended "Additional Construction Measures".</i> The City shall implement the following BAAQMD-recommended additional construction mitigation measures during construction activities:</p> <ol style="list-style-type: none"> <li>1. All exposed surfaces shall be watered at a frequency adequate to maintain minimum soil moisture of 12 percent, to be verified by lab samples or moisture probe.</li> <li>2. All excavation, grading, and/or demolition activities shall be suspended when average winds speeds exceed 20 miles per hour.</li> <li>3. Temporary wind breaks (e.g., fences) shall be installed on the windward</li> </ol>	City	LS

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S = Significant  
 LS = Less than significant  
 SU = Significant unavoidable impact  
 NA = Not applicable



Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>(generally the north / northwest) of actively disturbed areas of construction. The wind breaks should have at maximum 50 percent air porosity</p> <p>4. Vegetative ground cover (e.g., fast-germinating native grass seed) shall be planted in disturbed areas as soon as possible and watered appropriately until vegetation is established</p> <p>5. Simultaneous occurrence of excavation, grading, and ground-disturbing construction activities in the same area at any one time shall be limited and/or phased to reduce the amount of disturbed surfaces at any one time.</p> <p>6. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.</p> <p>7. Site access to a distance of 100 feet from the paved road, or as much as feasible, shall be treated with a compacted layer of wood chips, mulch, gravel, or other cover as feasible to reduce track-out.</p> <p>8. Minimize the idling time for diesel-powered construction equipment to two minutes provided such idling restrictions are consistent with manufacturer's</p>		

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 NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>equipment specifications.</p> <p>2. <i>Construction equipment restrictions.</i> The City shall apply the following construction equipment restrictions to the proposed project:</p> <ol style="list-style-type: none"> <li>1. Electric-powered and liquefied or compressed natural gas equipment shall be employed instead of diesel powered equipment to the maximum extent feasible.</li> <li>2. All construction equipment with a rated power-output of 25 horsepower or greater shall meet U.S. EPA and CARB Tier IV Final Emission Standards for particulate matter. This may be achieved via the use of equipment with engines that have been certified to meet Tier IV emission standards, or through the use of equipment that has been retrofitted with a CARB-verified diesel emission control strategy (e.g., oxidation catalyst, particulate filter) capable of reducing exhaust PM emissions to levels that meet Tier IV standards.</li> <li>3. <i>Prepare Construction Risk Reduction Plan.</i> Prior to the start of construction activity, the City and/or its contractor shall prepare a Construction Risk Reduction Plan for the project which:</li> </ol>		

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 SU = Significant unavoidable impact  
 NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<ol style="list-style-type: none"> <li>1. Identifies the final planned construction phasing schedule and anticipated equipment operations.</li>   <li>2. Estimates the proposed project's construction emissions based on the final phasing and equipment plan. Any emission update shall be performed using the latest-recommended emissions estimator model recommended by the BAAQMD or other standard, acceptable methodology (e.g., contractor-specific fleet emission factors and estimates of equipment operating hours)</li>   <li>3. Models the potential diesel particulate matter and total PM2.5 concentrations resulting from refined emissions estimates. Any modeling shall be performed using an accepted screening or refined dispersion-model recommended for use by the BAAQMD. The modeling shall focus on discrete, residential receptors located at and near the proposed project site.</li>   <li>4. Estimates potential adverse health effects associated with exposure to DPM. Risk estimates shall follow the latest recommendations of the BAAQMD. The goal of the risk estimation shall be to</li> </ol>		

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 NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>identify the receptor(s) or areas of receptors where carcinogenic and non-carcinogenic risk thresholds may be exceeded. If risks are exceeded, the plan shall identify feasible on- and off-site measures to reduce risks to levels below BAAQMD thresholds. On-site measures may include the BAAQMD “Additional Construction Measures” and construction equipment restrictions included in Mitigation Measure 5-1, as well as phasing / activity restrictions. Off-site measures may include coordinating with all impacted receptors to replace and upgrade existing HVAC systems to provide high-performance panel filters capable of reducing potential modeled outdoor PM2.5 concentrations / risks to levels that are below BAAQMD thresholds.</p> <p><i>4. Implement Off-Site Mitigation.</i> In-lieu of preparing the Construction Risk Reduction Plan identified above, the City may, prior to the start of construction activities, coordinate directly with impacted residential receptors to replace and upgrade existing residential HVAC systems with a high-performance panel filter with a rated minimum efficiency reporting value (MERV) for particles in the range of 0.3 to 1.0 μm of 70% (presumed to be a minimum MERV-14), or equivalent system upgrade. This level of</p>		

S = Significant  
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 NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>control would reduce risks to levels below current BAAQMD thresholds. Based on the results of the modeling conducted for the EIR, the City shall coordinate with residential receptors located in the area bound by Park Boulevard to the north, Ash Street to the south, Sheridan Avenue to the east, and Sherman Avenue to the west.</p> <p>The implementation of these measures would limit construction activities and require the implementation of controls that would reduce predicted adverse construction health risks to less than significant levels. Therefore, toxic air contaminant emissions generated during construction of the proposed project is considered <b><i>less-than-significant with mitigation.</i></b></p>		

**BIOLOGICAL RESOURCES**

**Impact 6-1: Potential Impacts on Nesting Birds.** The proposed PSB project is intended to improve the natural environment on the project site with an extensive array of coordinated new landscaping and trees. However, 38 existing trees are proposed to be removed. Without a proactive mitigation procedure in place, project construction could inadvertently result in the removal of trees containing nests or eggs of migratory birds,

S

**Mitigation 6-1.** To avoid impacts to nesting birds and violation of State and federal laws pertaining to birds, all construction-related activities (including but not limited to mobilization and staging, clearing, grubbing, vegetation removal, fence installation, demolition, and grading) should occur outside the avian nesting season (that is, prior to February 1 or after August 31). If construction and construction noise occurs within the avian

City

LS

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- NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<p>raptors, or bird species during the nesting season, which would be considered an "unlawful take" under the Federal Migratory Bird Treaty Act and USFW provisions protecting migratory and nesting birds (see Regulatory Setting above). This is considered a <b>potentially significant impact</b>.</p>		<p>nesting season (from February 1 to August 31), all suitable habitats located within the project's area of disturbance, including staging and storage areas plus a 150-foot buffer around these areas, shall be thoroughly surveyed, as feasible, for the presence of active nests by a qualified biologist no more than five days before commencement of any site disturbance activities and equipment mobilization. If project activities are delayed by more than five days, an additional nesting bird survey shall be performed. Active nesting is present if a bird is sitting in a nest, a nest has eggs or chicks in it, or adults are observed carrying food to the nest. The results of the surveys shall be documented. If it is determined that birds are actively nesting within the survey area, the additional procedures below shall apply. Conversely, if the survey area is found to be absent of nesting birds, the additional procedures shall not be required.</p> <p><b>Additional Procedures.</b> If pre-construction nesting bird surveys result in the location of active nests, no site disturbance and mobilization of heavy equipment (including but not limited to equipment staging, fence installation, clearing, grubbing, vegetation removal, fence installation, demolition, and grading) shall take place within 150 feet of</p>		

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  - NA = Not applicable

Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>nests, or as determined by a qualified biologist, until the chicks have fledged. Monitoring shall be required to insure compliance with the MBTA and relevant California Fish and Game Code requirements. Monitoring dates and findings shall be documented.</p> <p>Implementation of this measure would reduce the impact to a <b>less-than-significant level</b>.</p>		
<p><b>Impact 6-2: Removal of Protected and Street Trees.</b> Because 6 protected trees and 5 street trees (those within street rights-of-way) are proposed to be removed as part of the proposed PSB project, Palo Alto Municipal Code Title 8 (Trees and Vegetation) Chapters 8.04 and 8.10 would apply to the project to require on-site tree replacement or off-site replacement and mitigation in accordance with the standards in the City's Tree Technical Manual (Section 8.10.050(d)(2)). Without adequate replacement or other mitigation as set forth in the Tree Technical Manual, the project would be inconsistent with the Municipal Code tree protection provisions. This potential inconsistency with the tree protection policy and these tree removals are considered a <b>potentially significant impact</b>.</p>	S	<p><b>Mitigation 6-2.</b> Prior to removal of the protected trees and street trees, the applicant shall obtain a tree removal permit issued by the City of Palo Alto Urban Forestry Division for the removal of any and all protected, designated, or street trees (referred to collectively as "Regulated Trees"). In all cases, replacement trees would be required as a condition of the tree removal permit, and the project applicant must demonstrate to the satisfaction of the City that there is no alternative that could preserve the tree(s) on-site. The project applicant must provide an evaluation and summary for any Regulated Tree (the collective term for any protected, designated, or street tree) proposed to be removed.</p> <p>The applicant shall be required, in accordance with the Tree Protection and Management</p>	City	LS

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>Regulations (PAMC 8.10) and Tree Technical Manual (PAMC 8.10.130), to replace the tree canopy for the six (6) protected trees, in accordance with the tree canopy formula identified in the Tree Technical Manual (TTM, 3.20). If the tree canopy cannot be replaced on-site, the canopy shall be replaced off-site as close to the project site as feasible. If trees are being replaced off-site, the applicant must submit a Tree Planting Plan to the Urban Forestry Division and obtain the Urban Forestry Division's approval of the plan prior to issuance of a building permit. The Tree Planting Plan must include:</p> <ul style="list-style-type: none"> <li>▪ The canopy calculation for trees removed and the number of trees planned to replace them, consistent with the formula identified in the Tree Technical Manual</li> <li>▪ The specific location where the new trees would be planted with specific baseline information about that proposed site (e.g., surrounding vegetation or development)</li> <li>▪ The species of trees to be planted</li> <li>▪ Specific planting details (e.g., size of sapling, size of containers, irrigation plan)</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
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- Success criteria
- Monitoring and maintenance schedule

Replacement tree planting will be monitored by a qualified arborist. To verify the success of replacement trees, monitoring shall occur for two years after initial planting. After the two-year period, the arborist will determine if the trees are capable of surviving without further maintenance. Implementation of this measure would reduce the impact to a **less-than-significant level**.

*CULTURAL AND HISTORIC RESOURCES*

**Impact 7-1: Potential Disturbance of Archaeological or Paleontological Resources.** Project construction (e.g., excavation for underground parking and utilities) could disturb existing unrecorded sensitive archaeological or paleontological resources at the PSB project site. Although unlikely, this possibility represents a **potentially significant impact**.

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**Mitigation 7-1.** In the event of the unanticipated discovery of subsurface archaeological or paleontological resources during earth-moving operations, the following measures are recommended to reduce potentially significant impacts on these resources to a less-than- significant level:

City

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- Conduct Archaeological/Paleontological Sensitivity Training for Construction Personnel. The City shall retain a qualified professional archaeologist who meets U.S. Secretary of the Interior’s Professional Qualifications and Standards, and a professionally qualified paleontologist, to

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>conduct an Archaeological/Paleontological Sensitivity Training for construction personnel prior to commencement of excavation activities. The training session will include a written handout and will focus on how to identify archaeological and paleontological resources that may be encountered during earth-moving activities, including the procedures to be followed in such an event, the duties of archaeological and paleontological monitors, and the general steps a qualified professional archaeologist or paleontologist would follow in conducting a salvage investigation if one is necessary.</p> <ul style="list-style-type: none"> <li>▪ Cease Ground-Disturbing Activities and Implement Treatment Plan if Archaeological Resources Are Encountered. In the event that archaeological resources are unearthed during ground-disturbing activities, the ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A buffer area of at least 50 feet shall be established around the find, where construction activities will not be allowed to continue until a qualified archaeologist has examined the newly discovered artifact(s)</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>and has evaluated the area of the find. Work shall be allowed to continue outside the buffer area.</p> <p>All archaeological resources unearthed by project construction activities shall be evaluated by a qualified professional archaeologist, who meets the U.S. Secretary of the Interior's Professional Qualifications and Standards. Should the newly discovered artifacts be determined to be prehistoric, Native American Tribes/Individuals shall be contacted and consulted, and Native American construction monitoring should be initiated. The City shall coordinate with the archaeologist to develop an appropriate treatment plan for the resources. The plan may include implementation of archaeological data recovery excavations to address treatment of the resources, along with subsequent laboratory processing and analysis.</p> <ul style="list-style-type: none"> <li>▪ Conduct Periodic Archaeological Resources Spot Checks During Grading and Earth-Moving Activities in All Sediments. The City shall retain a qualified professional archaeologist who meets the U.S. Secretary of the Interior's Professional</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>Qualifications and Standards, to conduct periodic Archaeological Spot Checks beginning at depths below two (2) feet to determine if construction excavations have exposed, or have a high probability of exposing, archaeological resources. After the initial Archaeological Spot Check, further periodic checks shall be conducted at the discretion of the qualified archaeologist.</p> <p>If the qualified archaeologist determines that construction excavations have exposed, or have a high probability of exposing, archaeological artifacts, construction monitoring for archaeological resources will be required. The City shall retain a qualified archaeological monitor, who meets the qualifications set forth by the U.S. Secretary of the Interior's Professional Qualifications and Standards, who will work under the guidance and direction of a professional archaeologist. The archaeological monitor shall be present during all construction excavations (e.g., grading, trenching, or clearing/grubbing) into non-fill sediments. Multiple earth-moving construction activities may require multiple archaeological monitors.</p>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>The frequency of monitoring shall be based on the rate of excavation and grading activities, proximity to known archaeological resources, the materials being excavated (native versus artificial fill soils), the depth of excavation, and if found, the abundance and type of archaeological resources encountered. Full-time monitoring can be reduced to part-time inspections if determined adequate by the project archaeologist.</p> <ul style="list-style-type: none"> <li>▪ If subsurface paleontological resources are encountered, excavation shall halt in the vicinity of the resources and a qualified paleontologist shall evaluate the resource and its stratigraphic context. The monitor shall be empowered to temporarily halt or redirect construction activities to ensure avoidance of adverse impacts to paleontological resources. During monitoring, if potentially significant paleontological resources are found, "standard" samples shall be collected and processed by the qualified paleontologist to recover micro vertebrate fossils. If significant fossils are found and collected, they shall be prepared to a reasonable</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>point of identification. Excess sediment or matrix shall be removed from the specimens to reduce the bulk and cost of storage.</p> <p>Itemized catalogs of material collected and identified shall be provided to a museum repository with the specimens. Significant fossils collected during this work, along with the itemized inventory of these specimens, shall be deposited in a museum repository for permanent curation and storage. A report documenting the results of the monitoring and salvage activities, and the significance of the fossils, if any, shall be prepared. The report and inventory, when submitted to the lead agency, shall signify the completion of the program to mitigate impacts on paleontological resources.</p> <p>Implementation of these measures would reduce impacts on archaeological and paleontological resources to a <b>less-than-significant level</b>.</p>		
<p><b>Impact 7-2: Unanticipated Discovery of Tribal Cultural Resources.</b> Project construction activities (e.g., excavation) could disturb as yet unidentified and/or unrecorded tribal cultural resources, including possible</p>	S	<p><b>Mitigation 7-2.</b> In the event that cultural resources of Native American origin are identified during construction, all earth-disturbing work within the vicinity of the find must be temporarily suspended or redirected</p>	City	LS

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<p>human remains. This possibility represents a <b>potentially significant impact</b>.</p>		<p>until an archaeologist has evaluated the nature and significance of the find and an appropriate Native American representative, based on the nature of the find, is consulted. If the City determines that the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with State guidelines and in consultation with Native American groups. The plan would include avoidance of the resource or, if avoidance of the resource is infeasible, the plan would outline the appropriate treatment of the resource in coordination with the archaeologist and the appropriate Native American tribal representative.</p> <p>Implementation of this measure would reduce impacts on tribal cultural resources to a <b>less-than-significant level</b>.</p>		

**GEOLOGY AND SOILS**

**Impact 8-1: Geotechnical Hazards Associated with Project Excavation and Grading.** The project's proposed excavation and grading activities have the potential to create conditions that would potentially compromise the safety or stability of proposed project improvements. The preliminary site-

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**Mitigation 8-1.** As recommended by the project's preliminary geotechnical investigation, prior to City issuance of grading permits for individual project construction components, the City shall be required to retain a registered engineering geologist or geotechnical engineer to prepare detailed, construction-level

City

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<p>specific geotechnical investigation (Romig Engineers, May 2016) made initial assessments of these conditions, but a construction-level geotechnical investigation will be needed to adequately address all grading and excavation activities on the proposed Public Safety Building and California Avenue Parking Garage (PSB project) site. Without such a detailed study--and without the associated supervision of an engineering geologist or geotechnical engineer during project grading and construction--the safety and long-term stability of existing and proposed project improvements cannot be assured. These possible excavation and grading hazards represent a <b><i>potentially significant impact</i></b>.</p>		<p>geotechnical investigations to guide the construction of all project grading and excavation activities. The detailed, construction-level geotechnical investigations shall be performed for each of the structures proposed for the development site. Subsurface conditions shall be explored and laboratory tests conducted on selected soil samples to establish parameters for the design of excavations, foundations, shoring, and waterproofing. Recommendations from the investigations shall be incorporated into all plans for project grading, excavation, soil support (both temporary and long-term), and utility construction, to the satisfaction of the City Engineer.</p> <p>The detailed, construction-level investigations, relevant recommendations, and all associated project grading, excavation and foundation plans, shall be subject to review and approval by an independent engineering geologist or geotechnical engineer retained by the City Engineer. In addition, the project civil engineer shall certify to the City Engineer (e.g., through plan submittal for City review) that all relevant provisions of the investigations have been incorporated into the grading, excavation and construction plans, and all earthwork and site</p>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>preparation shall be performed under the direct supervision of a registered engineering geologist or geotechnical engineer. Implementation of these measures would reduce the potential excavation and grading impacts to a <b>less-than-significant level</b>.</p>		
<i>HAZARDS AND HAZARDOUS MATERIALS</i>				
<p><b>Impact 10-1: Potential Project-Related Exposure to Existing Soil or Groundwater Contamination.</b> Project-related excavation and construction activities could expose on-site construction personnel, employees, and members of the public to existing soil and groundwater contamination. This current situation is considered a <b>potentially significant impact</b>.</p>	S	<p><b>Mitigation 10-1.</b> Recommendations included in the Phase II ESA (Stantec, June 8, 2017) shall be implemented, based on construction-level project plans when more specific and precise design and construction activities are formulated. The Phase II ESA recommends additional assessment of local and regional groundwater conditions in advance of dewatering activities, combined with, as necessary, evaluation of pertinent and cost-effective water management strategies, including preparation of Site Management Plans. Likewise, the project must comply with the City's standard dewatering requirements. This assessment and mitigation process shall be subject to review and approval by the City Engineer.</p> <p>Implementation of these mitigations would reduce this impact to a <b>less-than-significant level</b>.</p>	City	LS

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<i>NOISE</i>				
<p><b>Impact 13-1: Project Construction Noise.</b>            Project construction would include site preparation, excavation and grading, utility trenching, construction of a new parking garage and public safety building, and application of architectural coatings. The noise levels generated by project construction would be in excess of 10 dB above ambient conditions at sensitive receptor locations for several hours a day for a period of approximately 16 to 21 months. Thus, the proposed project construction activities could result in a <b><i>potentially significant impact</i></b>.</p>	S	<p><b>Mitigation 13-1.</b> To reduce potential noise levels associated construction of the proposed project, the City and/or it's designated contractors, contractor's representatives, or other appropriate personnel shall:</p> <ul style="list-style-type: none"> <li>▪ <i>Restrict work hours/equipment noise.</i> All work shall be subject to the construction noise and time limits contained in City Municipal Code Chapter 9.10. Construction activities (including deliveries) shall only occur during the following time periods:               <ul style="list-style-type: none"> <li>– 8 AM to 6 PM Monday through Friday; and</li> <li>– 9 AM to 6 PM on Saturday</li> </ul> </li> </ul> <p>Construction activities shall be prohibited on Sundays and holidays. The City and/or its contractor shall post a sign at all entrances to the construction site informing contractors, subcontractors, construction workers, etc. of these requirements in accordance with Section 9.10.060(c). The sign shall also provide a name (or title) and phone number for an appropriate on-site and City representative to contact to submit a noise complaint.</p>	City	LS

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<ul style="list-style-type: none"> <li>▪ <i>Construction equipment care, siting, and design measures.</i> The following construction equipment care, siting, and design measures shall apply during construction activities:               <ul style="list-style-type: none"> <li>– Heavy equipment engines shall be covered and exhaust pipes shall include a muffler in good working condition. Pneumatic tools shall include a noise suppression device on the compressed air exhaust.</li> <li>– All stationary noise-generating equipment such as pumps, compressors, and welding machines shall be shielded and located as far from sensitive receptor locations as practical. At a minimum, such shielding shall consist of a three-sided sound enclosure (with a full or partial roof) that provides for proper ventilation, equipment operation, and effective noise control. The enclosure should be designed to achieve a 10 to 15 dB reduction in stationary equipment noise levels. The design of the enclosure shall be reviewed by a qualified acoustical consultant prior to installation to ensure the enclosure will achieve a minimum 10</li> </ul> </li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>dB reduction in stationary equipment noise levels.</p> <ul style="list-style-type: none"> <li>– The City shall connect to existing electrical service at the site to avoid the use of stationary, diesel- or other alternatively-fueled power generators.</li> <li>– No radios or other amplified sound devices shall be audible beyond the property line of the construction site.</li> </ul> <ul style="list-style-type: none"> <li>▪ <i>Construction traffic.</i> Construction truck traffic, including soil hauling, equipment deliveries, potential concrete deliveries, and other vendor deliveries shall follow designated delivery routes prepared for the project, which are anticipated to include travel on Oregon Expressway and Birch Road.</li> <li>▪ <i>Construct/Install Temporary Noise Barrier:</i> The City shall install and maintain throughout the duration of all site preparation, excavation, foundation construction, and building construction activities, one or more physical noise barriers capable of achieving a minimum reduction in predicted construction noise levels of 15.5 dB. Potential barrier options</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>would include:</p> <ul style="list-style-type: none"> <li>– A concrete, wood, or other barrier installed at-grade (or mounted to structures located at-grade, such as K-Rail) along the project property line. Such a wall/barrier shall consist of material that have a minimum rated transmission loss value of 25.5 dB (or equivalent rating), and shall contain no gaps in the structure through which noise may pass.</li> <li>– Commercially available acoustic panels or other products such as acoustic barrier blankets installed along the project property line, building envelope or, if feasible and necessary, at or near sensitive residential receptor areas.</li> <li>– Any combination of noise barriers and commercial products capable of achieving a 15.5 dB reduction in construction noise levels at sensitive receptor locations.</li> <li>– Prior to the start of the project, the City may prepare an acoustical analysis that reflects the final site plan, construction activities, equipment use and duration, and refines potential construction noise</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p style="text-align: center;">reductions required for the project.</p> <p>The final type, placement, and design of the project's temporary noise barrier(s) shall be reviewed by a qualified acoustical consultant prior to installation to ensure proper function and a minimum attenuation of 15.5 dBs in construction noise levels.</p> <ul style="list-style-type: none"> <li> <p>▪ <i>Prepare Project Construction Noise Control Plan.</i> Prior to the start of construction activity, the City or its contractor shall prepare a Construction Noise Complaint Plan for the project which:</p> <ul style="list-style-type: none"> <li>– Identifies the name and/or title and contact information (including phone number and email) of the Contractor and City-representatives responsible for addressing construction-noise related issues.</li> <li>– Contains a detailed construction schedule and predicted noise levels associated with construction activities.</li> <li>– Includes procedures describing how the construction contractor will receive, respond, and resolve to construction</li> </ul> </li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>noise complaints. At a minimum, upon receipt of a noise complaint, the Contractor and/or City representative described in the first sub-bullet above shall identify the noise source generating the complaint, determine the cause of the complaint, and take steps to resolve the complaint.</p> <ul style="list-style-type: none"> <li>▪ <i>Prepare Construction Noise Monitoring Plan.</i> Prior to the start of construction, the City or its contractor shall prepare a Construction Noise Monitoring Plan which identifies:               <ul style="list-style-type: none"> <li>– Construction activities, hours of operation, and predicted construction noise levels; and</li> <li>– Construction noise monitoring locations, duration, and frequency.</li> </ul> </li> </ul> <p>The intent of the Construction Noise Monitoring Plan is to document updated ambient noise levels, monitor construction noise levels, and verify compliance with the noise reduction requirements in mitigation measure 13-1. If monitoring indicates temporary noise barriers are not achieving a minimum 15.5 dB reduction in construction noise levels or otherwise indicates construction noise is resulting a 10 dB increase in noise levels above ambient</p>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>conditions, the City shall increase the height, size (length or width), density, and/or amount of noise barriers installed such that attenuation requirements are achieved. The Construction Noise Monitoring Plan may be combined with and/or incorporated into the Construction Noise Complaint Plan described above.</p> <p>The implementation of these measures would limit construction activities and require the implementation of controls that would reduce predicted construction noise levels to less than a 10 dB increase above existing ambient conditions. Therefore, the construction noise impact of the proposed project is considered <b><i>less than significant with mitigation.</i></b></p>		
<p><b>Impact 13-2: Project Groundborne Vibration Levels.</b> Project construction activities could generate perceptible groundborne vibration at adjacent buildings, including residential buildings, for a period of approximately 8 months. Thus, groundborne vibration generated during project construction could result in a <b><i>potentially significant impact.</i></b></p>	S	<p><b>Mitigation 13-2.</b> To reduce potential groundborne vibration levels associated with construction of the proposed project, the City and/or it's designated contractors, contractor's representatives, or other appropriate personnel shall:</p> <ul style="list-style-type: none"> <li>▪ <i>Prohibit Vibratory Equipment.</i> The City shall prohibit the use of large vibratory rollers (small plate compactors are acceptable) and vibratory pile driving equipment during construction. Any deep foundation piers or</li> </ul>	City	LS

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>caissons shall be auger drilled.</p> <ul style="list-style-type: none"> <li>▪ <i>Provide Notice to Adjacent Property Owners / Occupants.</i> Five (5) days advanced written notice shall be provided to adjacent property owners and building occupants before commencing all drilling and significant earthmoving activities within 65 feet of adjacent buildings. The notice shall provide the name (or title) and contact information (including phone number and email) of the Contractor and City-representatives responsible for addressing construction vibration-related concerns.</li> <li>▪ <i>Prepare Vibration Mitigation Plan.</i> Prior to the start of construction activity, the City or its contractor shall prepare a Construction Vibration Response Plan for the project which:               <ul style="list-style-type: none"> <li>– Identifies the name and/or title and contact information (including phone number and email) of the Contractor and City-representatives responsible for</li> </ul> </li> </ul>		
		<p>addressing construction vibration-related issues.</p> <ul style="list-style-type: none"> <li>– Contains a detailed schedule of drilling and substantial earth moving activities</li> </ul>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>expected to occur within 65 feet of adjacent buildings.</p> <ul style="list-style-type: none"> <li>– Includes procedures describing how the construction contractor will receive, respond, and resolve to construction vibration complaints. At a minimum, upon receipt of a vibration complaint, the Contractor and/or City representative described in the first sub-bullet above shall identify the vibration source generating the complaint, determine the cause of the complaint, and take steps to resolve the complaint by reducing groundborne vibration levels to less than 75 VdB and 0.04 in/sec PPV. Such measures may include the use of non-impact drivers, use of rubber-tired equipment instead of track equipment, or other measures that limit annoyance from groundborne vibration levels.</li> </ul> <p>The implementation of these measures would limit the potential for groundborne vibration during construction activities, require advanced notice to adjacent property owners and building occupants, and develop procedures designed to limit potential annoyance and interference with daily activities at adjacent buildings. Therefore, the construction vibration impact of the proposed project is considered <b><i>less than significant with</i></b></p>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
<b><i>mitigation.</i></b>				
<b>Impact 13-3: Project Operational Noise.</b> Noise generated by the parking garage ventilation fans and the public safety building generator, fire pump, and heating and air conditioning equipment may exceed standards contained in the City Municipal Code unless shielding or other means of attenuation is provided. This is considered a <b><i>potentially significant impact.</i></b>	S	<b>Mitigation 13-3.</b> To reduce potential stationary source noise levels associated with the operation of the proposed project, the City and/or it's designated contractors, contractor's representatives, or other appropriate personnel shall: <ul style="list-style-type: none"> <li>▪ <i>Site equipment away from residential areas.</i> Garage ventilation fans and public safety building generators, fire pumps, and heating and air conditioning equipment shall be located outside of setbacks and screened from view from residential areas.</li> <li>▪ <i>Enclose and/or Shield Stationary Noise-Generating Equipment.</i> The City shall enclose, shield, baffle, or otherwise attenuate noise generated from garage ventilation fans and public safety building generators, fire pumps, and heating and air conditioning equipment. The attenuation achieved through such enclosure, shielding, and/or baffling shall be sufficient to comply with Section 9.10.050(a) of the Municipal Code.</li> <li>▪ <i>Prepare Acoustical Study.</i> In accordance with Chapters 9.10 and 18.23 of the Municipal Code, the City shall have an</li> </ul>	City	LS

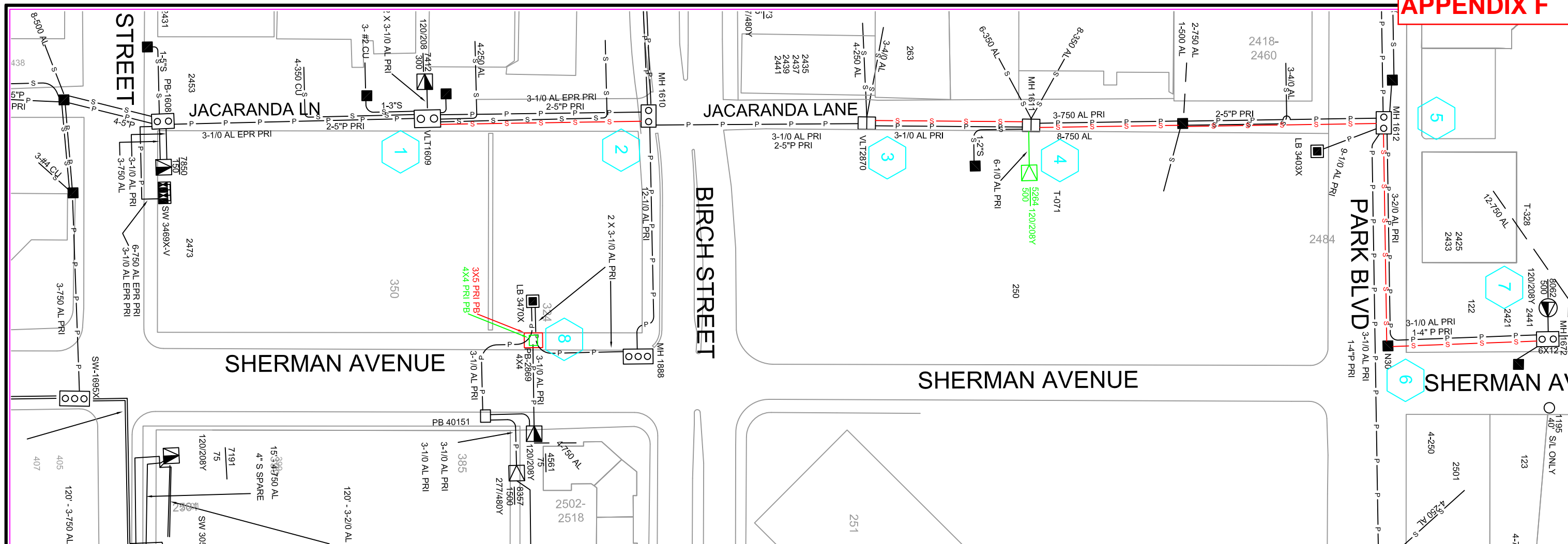
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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>acoustical analysis prepared by a licensed acoustical engineer that demonstrates:</p> <ul style="list-style-type: none"> <li>– The proposed parking garage’s generator would comply with the requirements of the City’s Noise Ordinance (Section 9.10.050, as excepted).</li> <li>– The proposed parking garages ventilation fans would not result in a calculated Ldn of 63.0 at sensitive residential receptor locations.</li> <li>– The proposed public safety building fire pump, back-up generator, and heating and air conditioning equipment would comply with the requirements of the City’s Noise Ordinance (Section 9.10.050, as excepted) and would not result in a calculated increase of more than 3.0 dB Ldn at sensitive receptor locations.</li> </ul> <p>The acoustical analysis shall be based on the final project design, reflect the actual equipment type and location at the project site, and the actual noise enclosure, shielding, or other attenuation measures included in the final project design. If the acoustical study demonstrates the noise levels from these sources would be at or</p>		

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Impacts	Potential Significance Without Mitigation	Mitigation Measures	Mitigation Responsibility	Significance With Mitigation
		<p>within 5 dB less than the Noise Ordinance limits, the City shall demonstrate through monitoring that the equipment complies with the anticipated noise levels.</p> <p>Implementation of these measures would ensure the project is designed and constructed in a manner consistent with the City's Municipal Code requirements and would reduce this impact to a <b>less-than-significant level</b>.</p>		

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**CONTRACTOR INSTRUCTION**

<u>LOCATION 1</u> MH 1709	<u>LOCATION 5</u> MH 1612
<u>LOCATION 2</u> MH 1610	<u>LOCATION 6</u> N-30 U.G. SEC. BOX
<u>LOCATION 3</u> VLT 2870	<u>LOCATION 7</u> MH 1672
<u>LOCATION 4</u> MH 1611	<u>LOCATION 8</u> PB2869 <b>REMOVE</b> 1-4X4 U.G. PRI. BOX <b>INSTALL</b> 1-3X5 U.G. PRI. BOX

**CONTRACTOR CONDUIT INSTALLATION**

BETWEEN LOC.1 AND LOC.2

**INSTALL**  
2-4" PVC CONDUIT

BETWEEN LOC.3 AND LOC.4

**INSTALL**  
2-4" PVC CONDUIT

BETWEEN LOC.4 AND LOC.5

**INSTALL**  
2-4" PVC CONDUIT

BETWEEN LOC.5 AND LOC.6

**INSTALL**  
2-4" PVC CONDUIT

BETWEEN LOC.6 AND LOC.7

**INSTALL**  
2-4" PVC CONDUIT



APPROVED _____ Henry Nguyen SR. ENGINEER / MANAGER
ENGR. Henry Nguyen
DRWN. Saeid Sadeghi
CHKD. Daniel Ercolini

**JACARANDA LN  
NEW POLICE STATION  
CONTRACTOR DRAWING**

**City of Palo Alto  
California**  
UTILITIES, ELECTRIC ENGINEERING

DATE	APPR.	DESCRIPTION
MAP # D7	CKT # PB-22	SCALE NTS
S.O.# / DRAWING # 40023000		
SHEET 1 OF 1		

# IT CABLING

## PURPOSE

The purpose of this document is to provide an understanding of the roles and responsibilities of Information Technology as it relates to data cabling throughout the City.

## WHAT IT WILL PROVIDE

IT will provide the following services:

- Cabling support for jobs with less than 5 jacks. These are considered small moves.
- Switch modifications to support the respective jobs
- Standards for all cabling and drops
- Recommended vendors for cabling work
- Support as a subject matter expert for cabling needs
- Reconnects at the network switch and any items placed on the network

## RECOMMENDED APPROACH

IT and the Project Manager team should have a standing (monthly) meeting to review upcoming jobs that will have an IT impact. These meetings should discuss:

1. Timing of work to be conducted
2. Requirements of job
  - a. Cabling
  - b. Conduit
  - c. Switch/Patch Panel
  - d. City Fiber connections

Name	Department	Function
Parag Kumar	IT Operations	Determine cabling requirements, review vendor responses, IDF requirements and network switch capacity.
SJ Park	IT Operations	Determine cabling requirements, review vendor responses, IDF requirements, and phone requirements
Dagmar Poffenroth	IT Operations	Service Desk – Determine impact on Service Desk staff
Mike Wong	Public Works	Facilities Manager. As needed for facilities requirements.
Josh Wallace	UT	As needed if new City fiber connection request is necessary
Scott Yahne	UT	As needed for coordinating implementation of approved City fiber connection
Chris Carvalho	IT	IT Project Services Manager

## RESPONSIBILITIES OUTSIDE IT

Removal of equipment – equipment should be properly tagged by department and removed by movers or staff

Electrical work of any kind must be performed by a certified electrician

Cabling/splicing for more than 5 drops must be performed by a certified cabling contractor

City Fiber connections are managed via the Utilities department

## VENDOR QUALIFICATIONS

PREMIER LEVITON/SUPERIOR-ESSEX CERTIFIED INSTALLER

AT A MINIMUM, MUST POSSESS A C-7 (LOW VOLTAGE) GENERAL COMMUNICATIONS CABLING LICENSE.

THE VENDOR SHALL BE CERTIFIED IN THE INSTALLATION OF PROPOSED HARDWARE AND MATERIALS.

THE VENDOR SHALL USE THEIR EMPLOYEES AND SUB-CONTRACTORS WITH CITY REVIEW AND ACCEPTANCE.

THE VENDOR SHALL BE CERTIFIED TO INSTALL MULTI-MODE 62.5 AND 50 MICRON OM3 FIBER DEPLOYMENTS.

THE VENDOR SHALL BE CERTIFIED TO INSTALL SINGLE-MODE FIBER.

THE VENDOR SHALL HAVE KNOWLEDGE OF THE INSTALLATION OF DATA RACK & ENCLOSURE SYSTEMS.

## VENDOR REQUIREMENTS

Vendor shall provide all cabling needs and adhere to the standards/requirements listed in this document.

Vendor shall terminate and label all drops (Handwritten labels are not acceptable).

Vendor shall extend and install cabling into furniture partition raceways, where applicable.

Vendor shall provide the proper jacks and faceplates to match the partition furniture raceway. This must be coordinated with the Project Manager to obtain these requirements. Extending the cabling and jack termination during partition installation may require additional premise visit(s) to accomplish.

Vendor shall provide updated floorplans in electronic format showing all jack numberings and locations on the floor plan

Vendor shall certify/test that all cabling is successful and provide documentation supporting testing verification is complete

Vendor shall encase all exposed cabling in any office space with proper wire mold covers or conduit

Vendor shall practice professional, industry standard cable management methods and ensure all cables are neatly bound with Velcro ties or like product

Vendor shall NOT perform reconnects at the network switch or tamper with the network

All work shall be in accordance with all guidelines specified by the latest City of Palo Alto building and fire codes.

Cabling Vendor shall supply all necessary labor, tools, equipment, and permits required to execute the design and installation of the scope of work required.

Cabling Vendor will be responsible for the daily clean-up of debris from its work.

## BUDGET

IT is responsible for any maintenance costs. All other cabling requirements are to be funded out of the respective project budgets



## STANDARDS/REQUIREMENTS

### CABLING AND PATCH CORDS

1. All IP network cabling must be Leviton CAT6 certified cabling
  - a. Brand - • Leviton • Belden • Commscope • General • Hitachi • Mohawk • Superior Essex
2. All cabling shall be “CMP” rated for use in air conditioning plenum spaces without conduit. Bridle ring or “Caddy” sling horizontal distribution shall be used for cable runs above ceilings. Quantity and installation techniques in distribution of the cable runs shall comply with system manufacturer’s specifications.
3. Cabling Vendor shall make all wall penetrations necessary to complete the work and will be responsible for patch and repair related to the same. Cabling Vendor will be responsible for fire sealing/acoustical sealing all penetrations in floors, ceilings, or walls made by and/or used by the Cabling Vendor in the execution of its work.
4. If existing feeder conduits are used and have an existing pull rope/string, the Cabling Vendor must leave a new pull rope/string as found.
5. All cabling will be continuous (home-run) from each point-of-termination at the outlet to the point-of-termination in the MDF or IDF.
6. Work hours and access to facilities to be determined per project in conjunction with City IT staff. Downtown parking fees are the responsibility of the vendor.

Colors must follow the following scheme:

1. Behind the wall and regular runs of IP network IW cable: **green**
2. Patch Cords – CAT6 Leviton
  - a. Citywide
    - i. Switch:
      1. White: Primary (voice/data)
      2. Blue: Secondary (additional data such as printer or second computer)
      3. Purple: WAPs
    - ii. Wall to Phone: gray 14’
    - iii. Phone to PC: 10’ white
  - b. Police
    - i. Switch:
      1. Red: Primary (voice/data)
      2. Yellow: Secondary (additional data such as printer or second computer)
      3. Purple: WAPs
    - ii. Wall to Phone: gray 14’
    - iii. Phone to PC: 10’ white

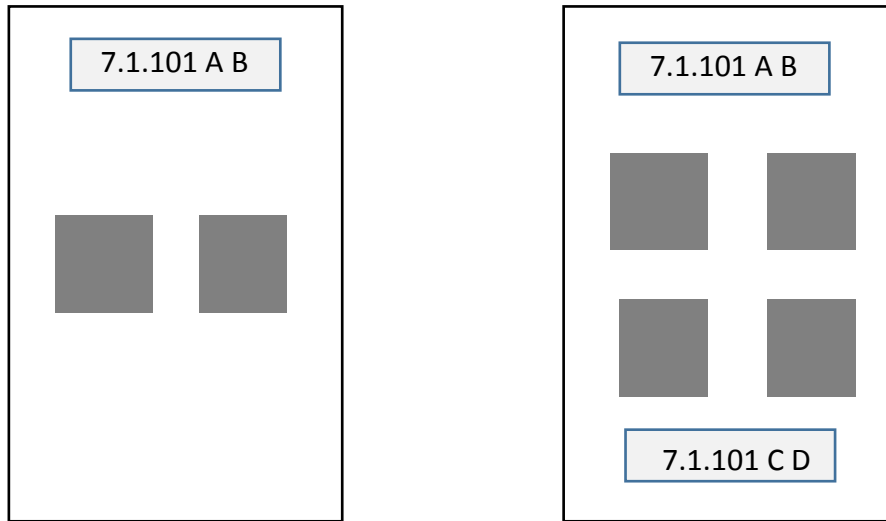
### DROPS, FACEPLATES, PATCH PANELS

Drops are always either a dual or quad drop. Single drops are not acceptable.

The Primary network jack is **white** in color, Secondary or greater jacks are **blue** in color. Analog jacks are **orange**.

Jacks, faceplates and patch panels are all to be Leviton brand.

Drops are to follow the following scheme including proper labeling:



**The jack faceplate number consists of:**

**Site number. Floor. Jack # A,B,C,D**

*Example above:*

*Site 7*

*Floor 1*

*Jack 101*

*White=A, Blue=B,C,D*

Location numbering labeling schema must be approved by City IT staff for each project prior to the vendor starting the installation

#### DATA CABINETS/ENCLOSURES/IDF SECURITY/UPS

Data cabling and network switch gear are to be installed in secure areas.

For smaller installations, a lockable wall data cabinet will be required. (Chatsworth 11900-724 is our standard)

In mid to large deployment, secure IDF rooms and frames will need to be negotiated and signed-off by the City of Palo Alto IT department

UPS (Uninterrupted Power Supply) is required at most network switch IDF locations. This will need to be negotiated and signed-off by the City of Palo Alto IT department

#### FIBER OPTICS

In-house Fiber Optic cable/patch runs are to be done by qualified Cabling Vendors. Fiber is to be run in protective conduits at all exposure points. Specific connector types will need to be negotiated and signed-off by the City of Palo Alto IT department



City of Palo Alto

Public Works Engineering

Phone: 415/329-2151 FAX: 415/329-2299

ENCROACHMENT PERMIT & TEMPORARY LEASE

Permit No. E-1328

[X] ENCROACHMENT PERMIT (Right of way, e.g., streets, sidewalks)
[ ] TEMPORARY LEASE (Non R/W encroachments and short term use)

APPLICANT NAME AND ADDRESS: Hewlett-Packard Company
LOCATION OF ENCROACHMENT/LEASE: Parking Lot at the Northeast corner of Ash Street and Sherman intersection [F37A]
DURATION: [X] Indefinite
START DATE: 9/22/86

Pursuant to the provisions of Sec 12.12010/2.30.040\* of the Municipal Code of the City of Palo Alto, permission is hereby requested to construct and maintain an encroachment, or to use city-owned property, at the above location and in the manner described below:

Table with 3 columns: TYPE, PRIMARY DEPT, COORDINATE WITH. Rows include Debris box, Fence, Private utility, Structures, Temporary material storage, Temporary pedestrian walkways.

FEES: Fixed \$, By value \$, Waived
APPL DATE:
Reviewed and recommended for approval by:
Transportation, Bldg Inspection, Planning, Engineering, Real property, Light & Power, Water, Gas, Sewer, Loss Control

ATTACH MAP OR PLAN SHOWING LOCATION, ROUTE AND TYPE OF PROPOSED ENCROACHMENT OR USE.

Reason for encroachment/lease: For monitoring ground water quality.

Nature of encroachment or use: Ground water monitoring well installed on 9/22/86.

Permittee/tenant\* shall, at permittee/tenant's\* expense, remove said encroachment or any improvements constructed by tenant and this permit/agreement\* shall terminate within thirty (30) days after written notice from the City Engineer/Real Property Manager\*.

Permittee/tenant\*, in consideration of the issuance of this permit/agreement, agrees to indemnify and hold harmless the City of Palo Alto, its officers, agents, and employees from any liability of any nature whatsoever caused in whole or in part by reason of or in any manner connected with any and all operations, structures or conditions authorized or permitted by this permit/agreement\*.

Permittee/tenant\* shall be responsible for obtaining any and all permits which may be required by an Agency having jurisdiction over the property and/or proposed use. Notwithstanding the above, nothing contained herein shall obligate City to issue any permits or approvals required for construction.

Permittee/tenant\* hereby accepts this permit/agreement\* subject to all conditions set forth herein, and the attached special provisions which have been checked, and agrees that all of said conditions and provisions shall be binding on permittee/tenant\*, co-owners, heirs, assigns, transferees and successors in interest of every nature.

C. Robin Ross 1/11/93
APPROVED: [Signature] 6/1/93
ITS: Real Property Administrator
Assistant City Manager

Reason
Date
Closed by

WP12101



## GENERAL PERMIT CONDITIONS

The following conditions are made a part of the Encroachment Permit/Temporary Lease, as applicable:

### I. GENERAL

1. Call Public Works Inspector\* at least 24 hours (one working day) in advance of starting encroachment activity.
2. Permittee is responsible for obtaining any other permits required by the City of Palo Alto or any other governmental or quasi-governmental agency.

NOTE: Permittee must obtain parking permits from City's Transportation Division when any activities will be conducted in a manner precluding public access to any designated parking space in either the University Avenue or California Avenue Parking Assessment Districts, or time-limited parking areas in the Stanford Hospital area.

3. Permittee shall maintain liability insurance meeting City requirements for the lifetime of the encroaching activities or structures. The Permittee shall provide Public Works Engineering with annual insurance certificate renewals\*\*. Failure to keep a current insurance certificate on file will result in the revocation of this permit/lease.
4. If box to left is checked, an approved City of Palo Alto Permit for Construction in a Public Street is necessary prior to the commencement of the work described in this permit.

### II. DURING ACTIVITIES

1. Construction activities and standards during the installation of this encroachment shall conform to requirements established in the associated Permit for Construction in a Public Street (if applicable).
2. Any existing improvements or utilities damaged during the encroachment shall be restored in kind or replaced to the satisfaction of the City of Palo Alto Public Works Inspector\* at Permittee expense.

### III. AT COMPLETION OF ACTIVITIES

1. Permittee is responsible for repair, restoration, or replacement of any and all property damaged as a result of this encroachment. Such repair, restoration or replacement shall be in kind or if City-owned property, in accordance with the City of Palo Alto Standard Specifications and/or any other requirements imposed by this permit. Permittee to contact the City of Palo Alto Public Works Inspector\* 24 hours prior to commencing restoration activities. It may be necessary for permittee to obtain new or additional permits for restoration work.
2. Permittee shall obtain an inspection by City of Palo Alto Public Works Inspector\* for closure of this permit. *Note: Encroachment removal activities may require the permittee to obtain additional City permits.*

### IV. OTHER CONDITIONS AND ADVISORIES

1. If box to left is checked, the Permittee shall, no later than date below, provide CPA Public Works Engineering Department\*\* with as-built drawings showing in reasonable detail the configuration of any installation performed and showing location of the installation to scale and dimensioned to show location from existing features such as curbs, corners, property lines, etc. Failure to provide satisfactory as-builts may cause revocation of this Permit/Lease and will encumber approval of future permits by the Owner.

Required Submission Date: \_\_\_\_\_

\*Public Works Inspector (415)496-6929

\*\*Refer to above Encroachment Permit/Temporary Lease number on submitted document.

## SPECIAL CONDITIONS: Monitoring Wells

The following conditions are made a part of the Encroachment Permit/Temporary Lease, as applicable:

### I. GENERAL

1. This permit is valid only for well number F37A as shown on Attachment N/A.
2. The Permittee is responsible for repair, restoration, or replacement of any and all property damaged as a result of this encroachment. Such repair, restoration or replacement shall be in accordance with the City of Palo Alto Standard Specifications and/or any other requirements imposed by this permit. It may be necessary to obtain new or additional permits for restoration work.
3. Permittee is responsible for obtaining any other permits required by the City of Palo Alto or any other governmental or quasi-governmental agency.
4. Permittee shall maintain liability insurance meeting City requirements for the lifetime of the encroaching activities or structures. The Permittee shall provide Public Works Engineering with annual insurance certificate renewals\*\*. Failure to keep a current insurance certificate on file will result in the revocation of this lease.
5. The Permittee is required to maintain this well (and any associated pipelines, etc.) listed with Underground Service Alert (USA). When requested, the Permittee is responsible to mark out appropriately all underground facilities described in this permit.

### II. SPECIAL CONDITIONS FOR MONITORING WELLS

1. No sample water shall be disposed of into the City's sanitary wastewater system unless Permittee has an approved permit issued by the Water Quality Control Plant. Sample water shall never be disposed of into City's storm drain system without an appropriate permit.
2. This lease shall remain in effect until Permittee abandons this facility (or fails to satisfy other requirements of this permit). The Permittee will be required to prove activity with this well on an

annual basis\*\*. This shall consist of the Permittee sending to the City of Palo Alto Public Works Department Engineering Division a synopsis of well sampling or other activities, during the previous year. This report is due on Sept 30 of every year of the encroachment and shall coincide with the annual insurance certificate renewal. Failure to fulfill this requirement will result in the revoking of this permit/lease and the demand for well destruction.

### III. DURING ACTIVITIES

1. Construction activities and standards during the installation of this encroachment shall conform to requirements established in the associated "Permit for Construction in a Public Street".
2. Sampling activities at the wells must utilize the pre-approved traffic control plan.

### IV. COMPLETION OF ACTIVITIES

1. The City of Palo Alto Public Works Engineering Division must be notified\*\* at least two weeks in advance of any proposed destruction activity. Details of the method of destruction and restoration shall be provided along with a copy of the approved "Well Destruction Permit" by the Santa Clara Valley Water District. At conclusion of abandonment activities, permittee shall obtain an inspection by City of Palo Alto Public Works Inspector\* for closure of this permit. *Well destruction activities may require the permittee to obtain additional City permits.*

### V. OTHER CONDITIONS AND ADVISORIES

1. The Permittee shall submit a copy of the "Report of Completion" for the well construction to the City of Palo Alto Public Works - Engineering Division\*\*.

\* Public Works Inspector: (415) 496-6929

\*\* Reference the above Encroachment Permit/Temporary Lease number on the submitted document

**TABLE 1: HEWLETT-PACKARD AND VARIAN WELLS ON CITY OF PALO ALTO PROPERTY  
ACTIVITY SUMMARY FOR YEAR ENDING SEPTEMBER 30, 1992**

COE Study Area, Palo Alto, CA  
17-Feb-93

CPA No.	Owner Well No.	Dates Water Levels Measured			
		Fourth Qtr 1991	First Qtr 1992	Second Qtr 1992	Third Qtr 1992
E-742	F49A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-742	F50A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-742	F51A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F53A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F54A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F55A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F56A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F57A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-765	F58A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-772	F65A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-772	F66A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-788	F71A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-788	F72A2	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-788	F74A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-788	F75A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-836	VO-1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-836	VO-2	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-863	F95A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-863	F96A2D	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-866	F83A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-866	F84A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-867	F90A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-867	F91A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-868	F93A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-868	F94A2	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-879	F73A1	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-879	F80A2	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-917	F102B	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1322	F29A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1323	F30A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1324	F31A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1325	F32A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1326	F33B	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1327	F36A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1328	F37A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1329	F40A	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1330	W-7A1U	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92
E-1331	V-10	3-Dec-91	3-Mar-92	2-Jun-92	9-Sep-92

42  
06  
411  
76

# ENVIRON

Counsel in Health and Environmental Science  
5820 Shellmound St., Suite 700  
Emeryville, California 94608

SHEET 1 OF 1

CONTRACT NO. 03-2128E

DATE 12/15/92

BY N. LOIZEAUX

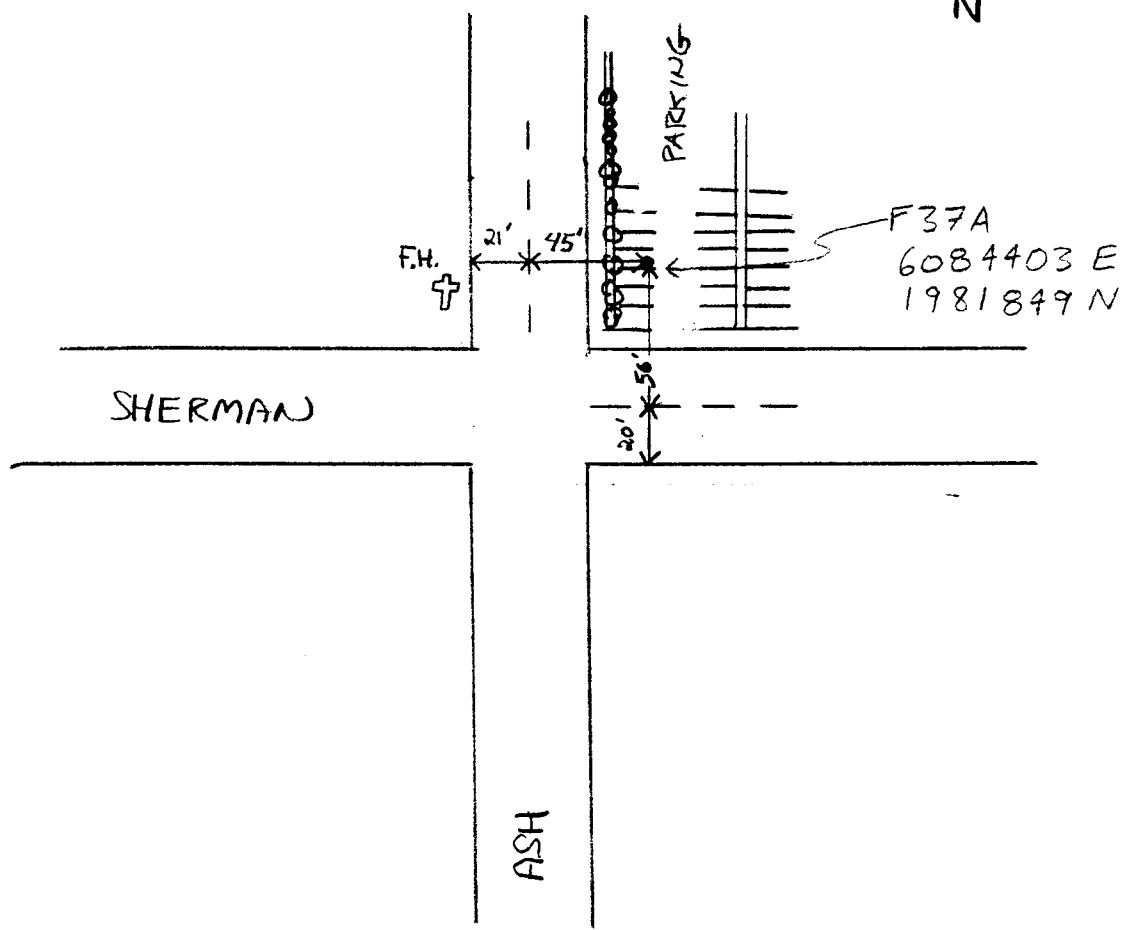
CHECKED BY J.S. EDWARDS

PROJECT COE STUDY AREA

PROJECT LOCATION PALO ALTO, CA

SUBJECT ENCROACHMENT PERMIT E-1328

F37 @ CORNER OF ASH & SHERMAN





**TABLE: HEWLETT-PACKARD AND VARIAN WELLS ON CITY OF PALO ALTO PROPERTY  
ACTIVITY SUMMARY FOR YEAR ENDING SEPTEMBER 30, 1993**

COE Study Area, Palo Alto, CA

6-Oct-93

CPA No.	Owner Well No.	Dates Water Levels Measured			
		Fourth Qtr 1992	First Qtr 1993	Second Qtr 1993	Third Qtr 1993
E-1328	F37A	1-Dec-92	1-Mar-93	1-Jul-93	1-Sep-93

**ORIGINAL**  
File with DWR

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
**WATER WELL DRILLERS REPORT**

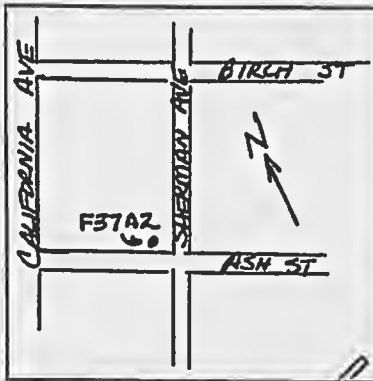
Do not fill in  
**No. 188419**

Notice of Intent No. \_\_\_\_\_  
Local Permit No. or Date 26 WL367

State Well No. C6S3W12F06A  
Other Well No. \_\_\_\_\_

(1) OWNER: Name HEWLETT-PACKARD  
Address 640 PALMILL ROAD  
City FALD ALTO, CA Zip 94304  
(2) LOCATION OF WELL (See instructions):  
County SANTA CLARA Owner's Well Number F37A2  
Well address if different from above CITY OF FALD ALTO PARKING LOT # 7  
Township 05 Range 3W Section 12  
Distance from cities, roads, railroads, fences, etc. \_\_\_\_\_

(12) WELL LOG: Total depth 47 ft. Depth of completed well 43 ft.  
from ft. to ft. Formation (Describe by color, character, size or material)  
0.0 - 1.0 CLAY LOAM; VERY DARK GREENISH  
1.0 - 8.0 BROWN (10YR 7/3); SLIGHTLY MOIST. ASPHALT AND ROADBASE  
8.0 - 11.0 VERY GRAVELLY SANDY LOAM; DARK YELLOWISH BROWN (10YR 4/4); DRY;  
11.0 - 18.0 LOAM; PALE OLIVE (5Y 4/3) WITH YELLOWISH BROWN (10YR 5/6) MOTTLES. OLIVE DOMINANCE IS REVERSED AT BOTTOM END OF HORIZON;  
18.0 - 22.0 SILTY CLAY LOAM; PALE OLIVE (5Y 4/3) WITH LIGHT OLIVE BROWN (2.5Y 7/6) MOTTLES;  
22.0 - 33.0 GRAVELLY (LOAM); LIGHT OLIVE BROWN (6.5Y 5/4); SATURATED.  
33.0 - 40.5 WELL SORTED SANDS AND GRAVELS.  
40.5 - 43.5 LOAM; DARK GREY (5Y 4/1); VERY MOIST.  
43.5 - 47.0 SILTY CLAY LOAM; GREENISH GREY (5G 1/1); VERY MOIST.



(3) TYPE OF WORK:  
New Well  Deepening   
Reconstruction   
Reconditioning   
Horizontal Well   
Destruction  (Describe destruction materials and procedures in Item 12)  
(4) PROPOSED USE:  
Domestic   
Irrigation   
Industrial   
Tech Well   
Stock   
Municipal   
Other MONITOR

(5) EQUIPMENT:  
Rotary  Reverse   
Cable  Air   
Other  AVAPER Bucket   
(6) GRAVEL PACK: 60 MESH  
Yes  No  Size 16 MESH  
Diameter of bore 8 INCH  
Packed from 24/27 to 27/43 ft.  
(7) CASING INSTALLED:  
Steel  Plastic  Concrete   
(8) PERFORATIONS:  
Type of perforation or size of screen  
From ft. To ft. Dia. in. Casing Wall From ft. To ft. Slot size  
65 27 2 40 28 43 0.020

(9) WELL SEAL:  
Was surface sanitary seal provided? Yes  No  If yes, to depth 26 ft.  
Were strata sealed against pollution? Yes  No  Interval \_\_\_\_\_ ft.  
Method of sealing CEMENT AND 5% BENTONITE SEAL

(10) WATER LEVELS:  
Depth of first water, if known 27' ft.  
Standing level after well completion 27' ft.

(11) WELL TESTS:  
Was well test made? Yes  No  If yes, by whom? \_\_\_\_\_  
Type of test Pump  Bailor  Air lift   
Depth to water at start of test \_\_\_\_\_ ft. At end of test \_\_\_\_\_ ft.  
Discharge \_\_\_\_\_ gal/min after \_\_\_\_\_ hours Water temperature \_\_\_\_\_  
Chemical analysis made? Yes  No  If yes, by whom? \_\_\_\_\_  
Was electric log made? Yes  No  If yes, attach copy to this report

Work started 7/22 1986 Completed 7/22 1986  
WELL DRILLER'S STATEMENT:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
Signed Douglas W. Jones (Well Driller)  
NAME DOUGLAS W. JONES FOR MCLAREN ENGINEERING  
(Person, firm, or corporation) (Typed or printed)  
Address 3017 KILGORE ROAD  
City RANCHO CORDOVA CA Zip 95670  
License No. C 029319 Date of this report \_\_\_\_\_

DWR 188 (REV. 7-78) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM  
**MAGGIORA BROS DRILLING**

Santa Clara Valley Water District  
 5750 Almaden Expressway  
 San Jose, California 95118  
 Telephone (408) 265-2600

SANTA CLARA VALLEY WATER DISTRICT

36 SEP 4 P 1:28

**WELL CONSTRUCTION APPLICATION**  
 FC 188 (02-08-86) (OP 4-901)

TO BE COMPLETED BY DISTRICT		
Permit No.: <b>86W1367</b>	Date issued: <b>9-4-86</b>	Well Registration No.:
Water Quality Zone:	Expiration Date: <b>12-4-86</b>	Driller's Log No.: <b>188419</b>
Coordinates of Well "X" _____ "Y" _____		

TO BE COMPLETED BY OWNER AND DRILLER		
Property Owner: <b>CITY OF PALO ALTO</b>	Well Owner (if different): <b>HEWLETT-PACKARD</b>	Drilling Co.: <b>MAGGORIA Bros. Drilling, Inc</b>
Address: <b>250 HAMILTON AVE</b>	Address of Well Site: <b>CITY OF PALO ALTO PARKING LOT #7</b>	Driller's Contractors License Number: <b>249957</b>
City, State, Zip: <b>PALO ALTO, CA 94301</b>	City, State, Zip: <b>PALO ALTO, CA 94340</b>	Address: <b>595 AIRPORT BLVD.</b>
Telephone No.: <b>(415) 329-2151</b>	Telephone No.: <b>(408) 435-4183</b>	City, State, Zip: <b>WATSONVILLE, CA 95076</b>
Assessor's Parcel No. of Well Site: Book <b>124</b> Page <b>33</b> Parcel <b>59</b>	Owner's/Consultant's Well No.: <b>F 37A</b>	Telephone No.: <b>(408) 724-1338</b>

Estimated depth of completed well:  Less than 50 ft.  50 to 300 ft.  Over 300 ft.

Water Quality Zone No.: 1 (See Fig. 1 SCVWD Construction Standards. Use "BR" if bedrock).

Purpose of Well:  Domestic  Municipal/Industrial  Agricultural  Monitoring  Cathodic Protection

\*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive water samples for analyses. This includes wells constructed for general exploration and investigation purposes as well as those to be constructed in conformance with the Hazardous Materials Storage Permit Ordinance for site-specific groundwater monitoring of existing underground hazardous materials storage tanks.

**THIS SECTION TO BE COMPLETED IF THIS APPLICATION IS FOR A MONITORING WELL**

Purpose of Monitoring Well:  To comply with City or County Hazardous Materials Storage Permit Ordinance  Exploration studies  
 Other (specify): \_\_\_\_\_

Name of Business at Well Site: **Asphalt parking lot #7 of City of Palo Alto**

If proposed well is to meet compliance with a Hazardous Materials Storage Permit Ordinance has the City or County been contacted?  Yes  No

If yes, give name of City or County \_\_\_\_\_

Consultant's Name (company): <b>MCLAREN ENVIRONMENTAL ENGINEERING</b>	Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadoso
Address: <b>3017 KILGORE RD</b>	Monitoring well use: <input type="checkbox"/> Depth <input type="checkbox"/> Quality <input checked="" type="checkbox"/> Depth and Quality
City, State, Zip: <b>PALO ALTO, CA 94301</b>	<input type="checkbox"/> Chloride <input type="checkbox"/> Depth and Chloride
Telephone No.: <b>(916) 638-3696</b>	Vadoso device installation: <input type="checkbox"/> Vapor <input type="checkbox"/> Interface <input type="checkbox"/> Suction lysimeter
	Signature of Responsible Professional: <i>[Signature]</i>
	Registration No. _____ Civil Engineer DR Certificate No. _____ Engineering Geologist

**TOPOGRAPHIC FEATURES**

Is well to be constructed:  In a public sidewalk  In a public road  On public property  On private property

Within 50 ft. of the top of a creek bank  Yes  No

Within 50 ft. of a sanitary sewer  Yes  No

Within 100 ft. of a pit privy, septic tank, leachfield  Yes  No

Within 50 ft. of any existing well  Yes  No

Within 150 ft. of a cesspool or seepage pit  Yes  No

Plot well location on reverse side of this application

**CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT:**

I certify that the information given above is correct to the best of my knowledge. I certify that the well will be constructed in compliance with the conditions of this permit, the Santa Clara Valley Water District's Ordinance 85-1 and, if applicable, the Hazardous Materials Storage Permit Ordinance of the County or City, as appropriate. It is my responsibility as the well owner to notify this District of any changes in the purpose of this well from that which is indicated on this application form.

Signature of Well Owner/Agent: *[Signature]* Date: **9-3-86**

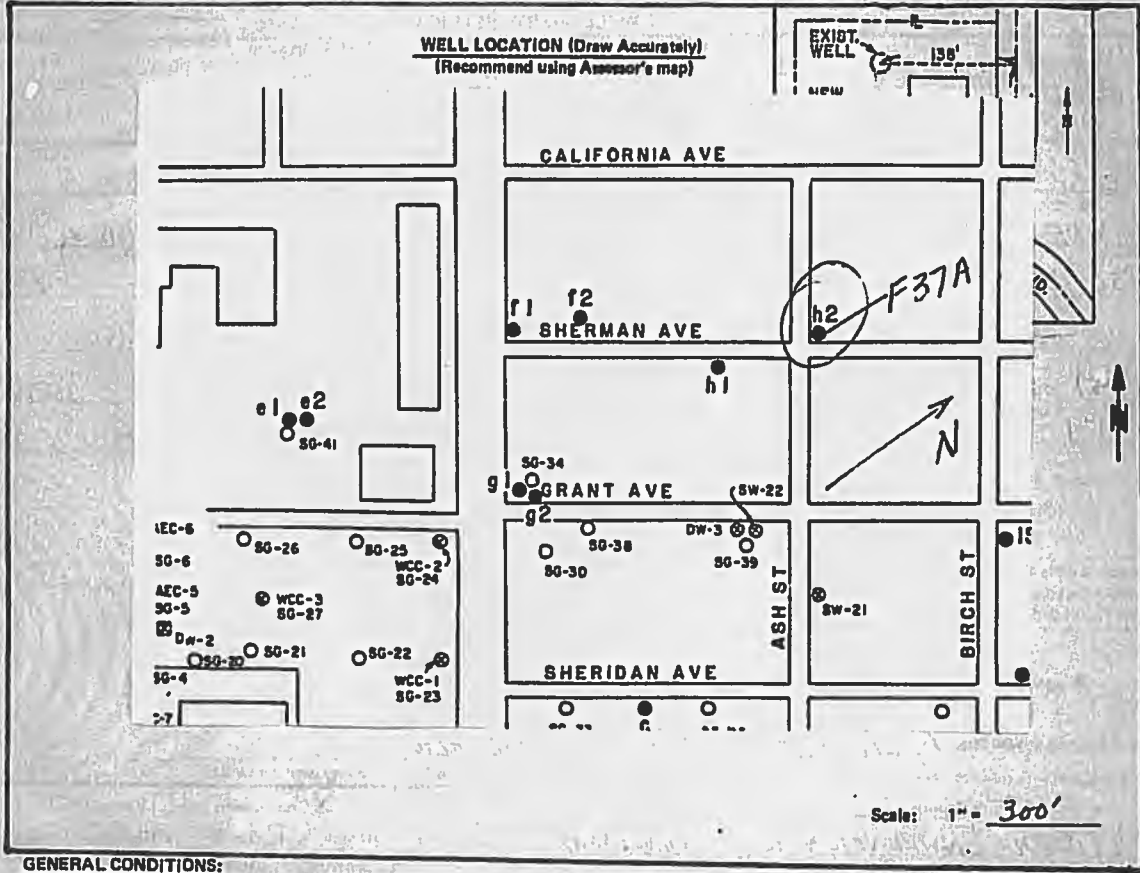
Signature of Driller/Agent: \_\_\_\_\_ Date: \_\_\_\_\_

MONITORING WELL PLAN APPROVAL	
City/County:	_____
Approved by:	_____
Date:	_____

**IMPORTANT:** A minimum 24-hour notice must be given to SCVWD Well Inspection Dept. prior to installing the annular seal. Call (408) 265-2600, Ext. 380. For weekends, holidays, after hours call (408) 395-8121 or (408) 265-2605.

2

Based on information on the application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.



**GENERAL CONDITIONS:**

- A. Construction under this Permit is subject to any instructions by District representative relative to the "Standards for the Construction of Wells in Santa Clara County".
- B. Permit may be voided before work begins if field check reveals any misrepresentation under "well location" or "Topographic Features" on application.
- C. This Permit is valid only for the purpose specified herein. No change in construction procedure as prescribed in District Standards and in Special Conditions below will be allowed except upon written permission of the District.
- D. Permittee shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend and save the District, its officers, agents and employees free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this Permit including, but not limited to property damage, personal injury and wrongful death.
- E. Compliance with "CAL/OSHA", California Labor Code Section 8300 (and following) is required.
- F. Water quality and production from all wells to be used for public water supply must be approved by the County Environmental Health Services.
- G. Permit will be automatically cancelled if not exercised or if extension is not requested by Permittee within 90 calendar days of above date.
- H. Driller is to complete State DWR Form 188 and mail original to Santa Clara Valley Water District within 7 days of completion of well construction.
- I. For the construction of water producing wells, a Permittee must be a licensed water well drilling contractor unless the work is to be done by the landowner or employees of the landowner. (See Business & Professions Code § 7026.3, 7028).
- J. For monitoring wells refer SCVWD Groundwater Monitoring Guideline Aug. 1985, p. 6, for licensing requirements. Dry holes shall be back-filled within one week of drilling. Backfilling shall be done in accordance with District Standards.
- K. Each well requires a separate Well Construction Application, and permit.

**SPECIAL CONDITIONS:**

SCVWD APPROVED: David C. Fozaya DATE: 9-4-86

cc: Well Inspection Dept.  
Water Revenue Division

(3)

DRAFT SITE LOGISTICS PLAN BASIC REQUIREMENTS  
Contractor required to provide formal submittal prior to Construction



New temporary pedestrian crossing including ADA ramp to sidewalks

New temporary pedestrian crossing including ADA ramp to sidewalks

Jacaranda Lane width reduced due to shoring installation

Site fencing to be solid plywood boarding with privacy screen

Sidewalk and 5 parking spaces closed. Ash St remains open to Southbound traffic

Sidewalk and 1 lane of Southbound traffic closed on Birch St.

New temporary pedestrian crossing including ADA ramp to sidewalks

Construction staging / storage / site area

Site accommodation

Visa Commuter Shuttle drop-off to remain

Sidewalk and 3 parking spaces closed on North side of Sherman. Parking lost on South side of Sherman. Sherman Ave remains open to traffic on both directions.

ADA stall to remain

Partial Closure of Sherman Ave between Birch St and Park Ave.

New temporary pedestrian crossing including ADA ramp to sidewalks

New temporary pedestrian crossing including ADA ramp to sidewalks

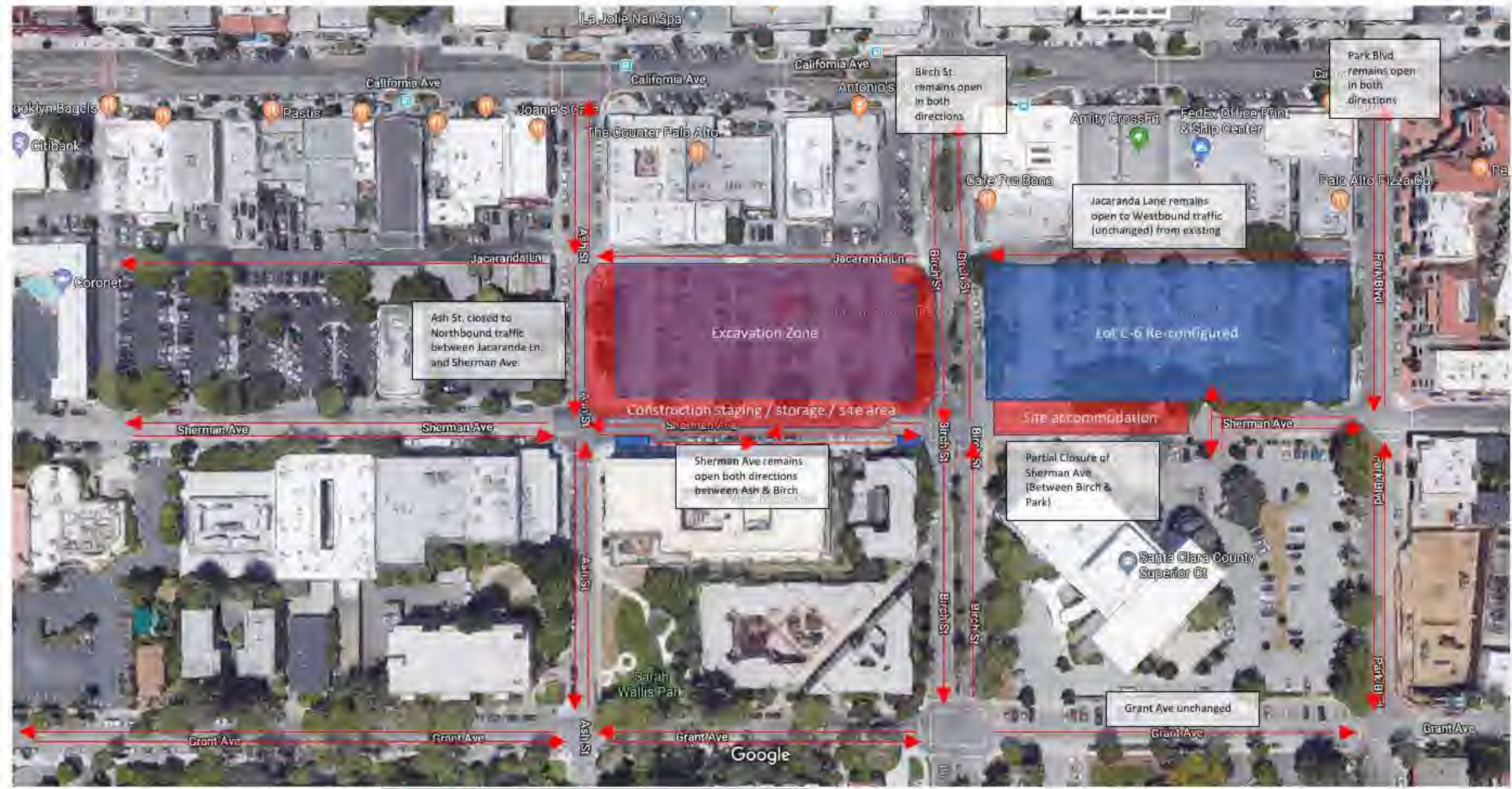


Construction staging / storage / site area

Site accommodation

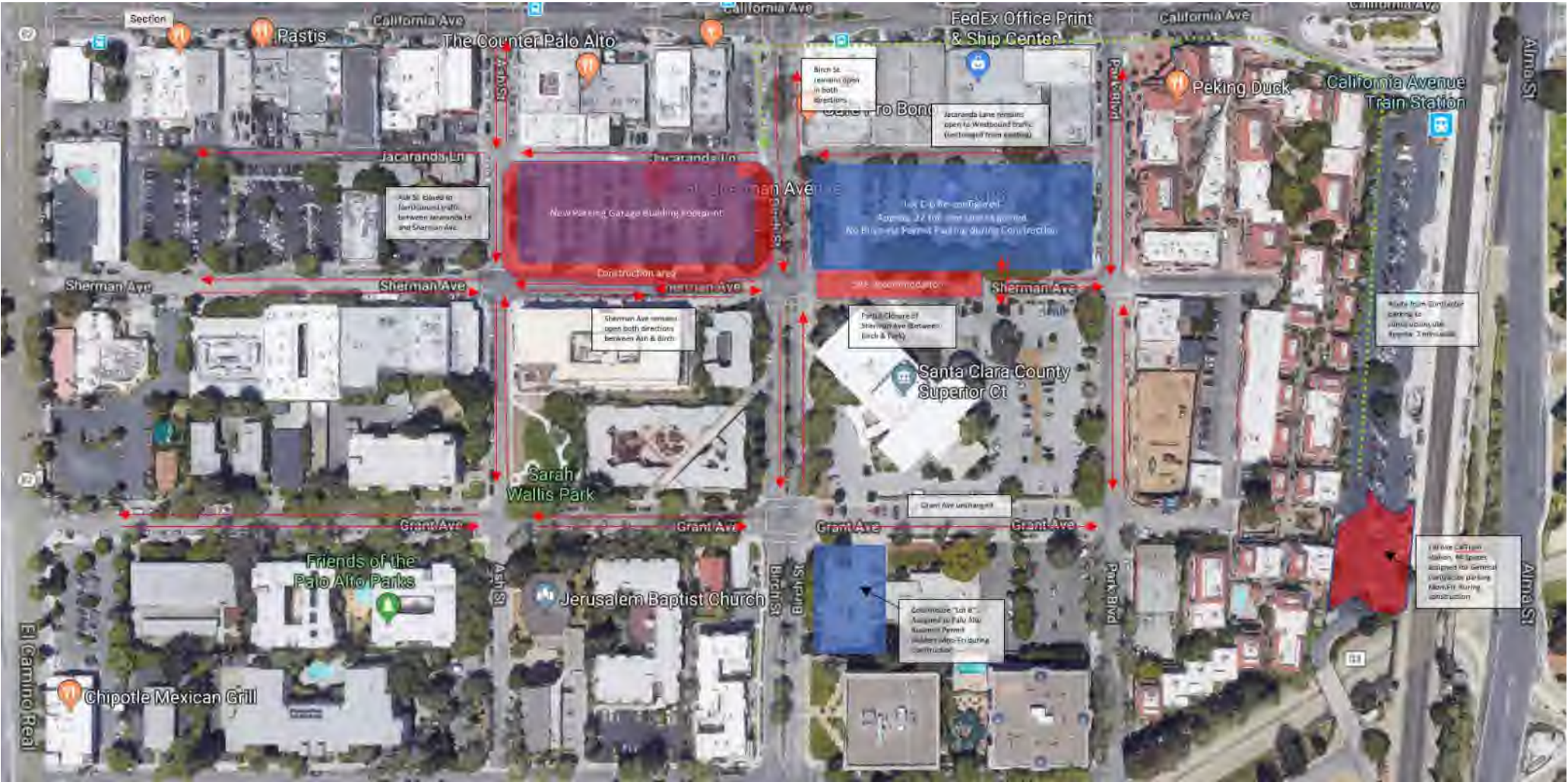
New temporary pedestrian crossing including ADA ramp to sidewalks

Pedestrian Routes During Construction



Traffic Routes During Construction

**California Avenue Parking Garage  
350 Sherman Ave  
Parking Mitigation Plan**







**APPENDIX J**

# Allowance Usage Request

City of Palo Alto

Department: Public Works Engineering

Contract Number: \_\_\_\_\_

## Allowance Usage Request

<b>Project Title:</b>		<b>Project No.:</b>	
<b>Contract Number:</b>		<b>Date:</b>	
<b>Contractor:</b>		<b>Allowance Request No.:</b>	

<b>Description of Allowance Usage Request</b> <span style="float: right; font-size: small;">(Attach additional sheets as needed)</span>	
<b>Reason for Allowance Usage Request:</b>	
<b>Description of Work to be Performed:</b>	

<p><b>Requested Allowance Usage Amount:</b></p>  <p style="text-align: right;">Allowance Usage:                   \$       -</p> <p style="text-align: right;">Allowance #</p>	<p style="text-align: center;">No Change to Contract Time</p>  <p style="font-size: small;">* Include all information and documentation required by Section 8.5 of the Contract General Conditions</p>
<p><b>Basis for requested change in cost:</b></p> <p><input type="checkbox"/> Unit Pricing</p> <p><input type="checkbox"/> Lump sum:                               \$       -</p> <p><input type="checkbox"/></p> <p style="padding-left: 20px;">Time and Materials not to exceed: \$       -</p> <p><input type="checkbox"/> Other:                                       \$       -</p> <p style="font-size: small;">* Final value shall not exceed amount shown without additional written authorization. Complete Time and Materials Breakdown on the following page.</p>	<p><b>Reference Documents:*</b></p> <p>RFI:</p> <p>ASI:</p> <p>Field Order:</p> <p>Specifications:</p> <p>Plans:</p> <p>Other (specify)</p> <p style="font-size: small;">* Provide specific numbers/section/sheet references as applicable</p>



# Allowance Usage Request

City of Palo Alto

Department: Public Works Engineering

Contract Number: \_\_\_\_\_

Line	Time and Materials Breakdown (Reference Section 7.2 of General Conditions for Allowable Costs and Markup)	Added	
	All lines shall be filled in (zero values acceptable)	<b>See attached</b>	
	<b>CONTRACTOR'S WORK</b>		
1.	Material (attach itemized quantity and unit cost)	\$0	
2.	Labor (attached itemized hours and rates)	\$0	
3.	Equipment (attach invoices)	\$0	
4.			
5.			
6.	<b>Subtotal</b>	\$0	
7.			
8.			
	<b>SUBCONTRACTED WORK</b> (Provide separate breakdown for each subcontract)*	<b>\$0</b>	
9.	Material (attach itemized quantity and unit cost)	\$0	
10.	Labor (attach itemized hours and rates)	\$0	
11.	Equipment (attach invoices)	\$0	
12.			
13.			
14.	<b>Subtotal</b>	\$0	
15.	Subcontractor's markup on work performed by Subcontractor's forces, not to exceed ten percent (10%) of line 14		
16.	<b>Subtotal</b>	\$0	
17.			
18.	<b>Subtotal</b> for Subcontracted Work (sum of lines 14 and 16)	\$0	
19.	<b>TOTAL</b> (sum of lines 6 and 18)	\$0	

\* Attach additional copies of this page as required to summarize additional subcontracts.



# Allowance Usage Request

City of Palo Alto

Department: Public Works Engineering

Contract Number: \_\_\_\_\_

## Allowance Usage Request - continued

**CONTRACTOR CERTIFICATION** By signing below, the undersigned Contractor certifies under penalty of perjury that its statements and representations in this Allowance Usage Request are true and correct. Contractor warrants that this Allowance Usage Request is comprehensive and complete with respect to the Work described herein, and agrees that any costs, expenses, or time extension request, including, but not limited to, compensation for delay, lost productivity, inefficiency, or disruption, which is not included with this Allowance Usage Request, shall be deemed waived. Contractor understands that submission of claims which have no basis in fact or which Contractor knows to be false may violate the False Claims Act, as set forth in Government Code Sections 12650 et seq.

### Submitted by Contractor:

Signature:

By:

Title:

Date:

### Construction Manager Recommendation

By:

Title:

Date:

Recommendation:

### City of Palo Alto

By:

Title:

Date:

Recommendation:

### City Approval

#### Signature required on Allowance Requests

By:

Title: Matt Raschke - Project Manager, Public Works

Date:

**400 Paul Ave, San Francisco, CA**

Project No.  
**9318.010.002**

August 14, 2019

Mr. Richard Coleman  
400 Paul Avenue (SF) Owner, LLC  
96 Freneau Avenue  
Matawan, NJ 07747

Subject: 400 Paul Avenue  
San Francisco, California

## SOIL CHARACTERIZATION

- References:
1. ENGEO; Technical Memorandum, Subgrade Observations at Building C, 400 Paul Avenue Date Center, San Francisco, California; April 25, 2019; Project No. 9318.010.002
  2. The Denali Group; Site Mitigation Plan Final Report, Data Center Construction Project; 320, 350 & 400 Paul Avenue, San Francisco, California SMED 914. February 5, 2016.

Dear Mr. Coleman:

We are pleased to submit this document summarizing soil analytical services for environmental and geotechnical soil characterization at 400 Paul Avenue in San Francisco, California (Property). We understand the proposed earthwork may result in approximately 11,100 cubic yards of soil that may remain onsite or be off-hauled to receiving sites or disposal facilities. The purpose of this scope was to pre-characterize soils for consideration of disposal/reuse options.

Soils requiring characterization for potential off-haul or reuse include the upper 3 to 4½ feet of soil for over-excavation for pad corrective measure within the future footprint of Building C, fill along the retaining wall west of Building B, and stockpiled soil currently located at the northern and western boundary of Building C (Figure 1). One large stockpile, approximately 300 cubic yards, is located within the northern end of the proposed footprint, and various smaller stockpiles are located along the western boundary of the proposed footprint. We understand the stockpiles originated from material onsite.

Field activities were performed on August 12, 2019. In accordance with *Department of Toxic Substance Control (DTSC) Information Advisory for Clean Imported Fill Material* (October 2001), one sample was collected for every 250 cubic yards of stockpiled soil, and additional samples were taken at depth for in-situ soils. A near-surface sample and a sample at 2 feet below ground surface was collected from four locations across the footprint at Sampling Locations S-1, S-4, S-6, S-8 shown in Figure 1. Samples S-2, S-3, S-5, and S-7 were recovered at approximately 1.5 feet below ground surface. Sample S-9 was recovered from the soil behind the planned site retaining wall. We also collected two samples from the larger northern stockpile and two samples within the western stockpiles (Samples SP-1 through SP-4). Additional samples were collected at TP-1 through TP-5 for geotechnical properties.

**TABLE 1: Sampling Summary**

SAMPLE LOCATION	SAMPLE ID
Building C Over excavation	S-1, S-2, S-3, S-4, S-5, S-6, S-7, S-8, TP-3, TP-4
Northern Stockpile	SP-1, SP-2, TP-1, TP-2
Western Stockpile	SP-3, SP-4, TP-5
Wall Backfill (West of Building B)	S-9

A total of 17 samples were collected for environmental testing. The samples were collected in 2-inch by 6-inch stainless steel liners that were labeled with a unique sample number, sample location, and time/date collected and stored within an ice-cooled chest. The samples were then submitted under documented chain-of-custody to Torrent Laboratories, Inc., in Milpitas, California and Asbestos TEM Laboratory in Berkeley, California, both State-accredited laboratories.

The samples were analyzed on a discrete basis for the following analytes. The Torrent Laboratory test report is provided as Appendix A. The Asbestos TEM report and revised Torrent reports with selected STLCs will be appended once results are available:

- Total petroleum hydrocarbons as gasoline and volatile organic compounds (VOCs) (EPA Method 8260B)
- Semi-volatile organic compounds (SVOCs) (EPA Method 8270 SIM)
- Total petroleum hydrocarbons as diesel and motor oil (EPA Method 8015B with silica gel cleanup)
- CAM-17 metals (EPA Method 7471 and 6010B)
- Hexavalent Chromium (EPA Method 7199)
- Polychlorinated biphenyls (EPA Method 8082A)
- Organochlorine pesticides (OCPs) (EPA Method 8081A)
- Asbestos (CARB 435B) (*Results Pending*)
- STLC Extraction (*Results Pending*)

Sample results were compared against San Francisco Regional Water Quality Control Board (RWQCB) residential and commercial environmental screening levels (ESLs). Soil results were not in exceedance of commercial ESLs; however, dieldrin, lead, and chlordane were in exceedance of the respective residential ESLs. Various samples exceeded chromium and lead concentrations in excess of 50 mg/kg. Since these concentrations are greater than 10 times the respective STLC of 5 mg/L for both lead and chromium, subsequent analyses are currently being performed to determine the soluble concentrations of chromium and lead for these samples.

Based on the approved Site Mitigation Plan Final Report, prepared by The Denali Group, dated February 5, 2016, and the available results from Torrent Laboratories, soils may be re-used onsite for the proposed commercial development. Laboratory reports should be provided to selected off-haulers or recipients.

Five bulk samples varying from near surface to 6½ feet below the existing ground surface were collected in 5-gallon buckets at TP-1 to TP-5 and transported to our laboratory in San Ramon for geotechnical plasticity index (ASTM D4318) and Sieve (ASTM D422) testing. The soil primarily consists of clayey or silty sand with gravel or gravel with sand and clay. Plasticity Indices range

between 6 to 18. The laboratory results are provided in Appendix B. Based on our observation from the sampling and previous grading activity at the site, the soil is acceptable to be reused onsite. The subgrade treatment recommended in our letter, dated April 25, 2019, should be implemented during construction. We should be contacted to testing and provide observation during earthwork activities.

If you have any questions regarding this document, please do not hesitate to contact us.

Sincerely,

ENGEO Incorporated

Monica Kunzel  
mk/sm/jf

Shawn Munger, CHG

Attachments:

- Figure 1 –Sample Plan for characterization
- Appendix A – Torrent, Laboratory Analytic Report
- Appendix B – ENGEO, Laboratory Test Results

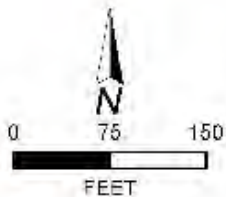
DRAFT



### EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROJECT SITE
- EXTENT OF SOIL CHARACTERIZATION
- ◆ BULK SAMPLE (SURFACE TO 6.5' bgs)
- ◆ IN-SITU SAMPLE (COLLECTED AT 1.5' bgs)
- ◆ IN-SITU SAMPLE (COLLECTED AT THE SURFACE AND 2' bgs)
- ◆ SAMPLE OF RETAINING WALL BACKFILL
- ◆ STOCKPILE SAMPLE



BASEMAP SOURCE: ESRI MAPPING SERVICE



**SAMPLING PLAN FOR CHARACTERIZATION**  
 400 PAUL AVENUE  
 SAN FRANCISCO, CALIFORNIA

PROJECT NO. 9518-010-002	1
SCALE AS SHOWN	
DRAWN BY: MAT / CHECKED BY: C	



**APPENDIX A**

**Laboratory Analysis Report  
Torrent Laboratory, Inc.**

DRAFT



Engeo (San Ramon)  
2010 Crow Canyon Place, #250  
San Ramon, California 94583  
Tel: (925) 866-9000  
Fax: (925) 866-0199  
RE: 400 Paul Avenue

Work Order No.: 1908089

Dear Brooke Spruit:

Torrent Laboratory, Inc. received 19 sample(s) on August 12, 2019 for the analyses presented in the following Report.

As requested on the Chain of Custody, two samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "Patti L. Sandroock", is written over a light blue horizontal line.

Patti L Sandroock  
QA Officer

August 13, 2019

Date



**Date:** 8/13/2019

---

**Client:** Engeo (San Ramon)

**Project:** 400 Paul Avenue

**Work Order:** 1908089

## CASE NARRATIVE

---

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Asbestos analysis was sub-contracted to ELAP certified laboratory Asbestos TEM. Sub-contract data will follow under separate cover.

Analytical Comments for method 6010B, 1908089-001A MS/MSD, QC Analytical Preparation ID 11156660, Note:The % Recoveries for Barium, Chromium and Vanadium are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Analytical Comments for method 8015B, 1908089-009A MS/MSD, QC Analytical Preparation ID 1115655, Note:The % Recovery for Diesel is outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Analytical Comments for method 8082A, 1908089-009A MS/MSD, QC Analytical Preparation ID 1115657, Note:The % RPDs for Aroclor 1016 and 1260 are outside of laboratory control limits but % recoveries are within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.



## Sample Result Summary

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date Received:** 08/12/19

**Date Reported:** 08/13/19

**SP-1**

1908089-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.06	mg/Kg
Barium	SW6010B	1	0.055	5.00	114	mg/Kg
Chromium	SW6010B	1	0.075	5.00	64.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	31.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	68.0	mg/Kg
Nickel	SW6010B	1	0.50	5.00	37.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	80.4	mg/Kg
Zinc	SW6010B	1	0.30	5.00	75.5	mg/Kg
Hexavalent Chromium	SW7199	1	0.00093	0.011	0.0565	mg/Kg
TPH as Diesel (SG)	SW8015B	3	2.6	6.0	19.7	mg/Kg
TPH as Motor Oil (SG)	SW8015B	3	9.5	30	210	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0142	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00309	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0105	mg/Kg

**SP-2**

1908089-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.23	mg/Kg
Barium	SW6010B	1	0.055	5.00	113	mg/Kg
Chromium	SW6010B	1	0.075	5.00	75.4	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	20.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	34.3	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	56.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	41.6	mg/Kg
Hexavalent Chromium	SW7199	1	0.00093	0.011	0.0245	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	9.34	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	63.8	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.00291	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.00235	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S-4@1.5

1908089-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.01	mg/Kg
Barium	SW6010B	1	0.055	5.00	103	mg/Kg
Chromium	SW6010B	1	0.075	5.00	69.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.28	mg/Kg
Copper	SW6010B	1	0.20	5.00	21.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	72.9	mg/Kg
Nickel	SW6010B	1	0.50	5.00	36.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	64.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	67.1	mg/Kg
TPH as Diesel (SG)	SW8015B	2	1.7	4.0	18.6	mg/Kg
TPH as Motor Oil (SG)	SW8015B	2	6.4	20	121	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.00594	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00351	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0220	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00382	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0168	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.0391	mg/Kg

S-8@1.5

1908089-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	7.14	mg/Kg
Barium	SW6010B	1	0.055	5.00	277	mg/Kg
Chromium	SW6010B	1	0.075	5.00	64.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.0	mg/Kg
Copper	SW6010B	1	0.20	5.00	49.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	80.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	37.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	57.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	112	mg/Kg
Hexavalent Chromium	SW7199	1	0.00093	0.011	0.0111	mg/Kg
TPH as Diesel (SG)	SW8015B	5	4.3	10	14.6	mg/Kg
TPH as Motor Oil (SG)	SW8015B	5	16	50	324	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.00358	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00204	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.00969	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00402	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0164	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.0314	mg/Kg
Aroclor1260	SW8082A	1	0.036	0.10	0.134	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S-7@0 ft

1908089-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.00	mg/Kg
Barium	SW6010B	1	0.055	5.00	103	mg/Kg
Chromium	SW6010B	1	0.075	5.00	77.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	45.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	89.7	mg/Kg
Nickel	SW6010B	1	0.50	5.00	60.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	61.4	mg/Kg
Zinc	SW6010B	1	0.30	5.00	90.2	mg/Kg
Hexavalent Chromium	SW7199	1	0.00093	0.011	0.0468	mg/Kg
TPH as Diesel (SG)	SW8015B	2	1.7	4.0	12.8	mg/Kg
TPH as Motor Oil (SG)	SW8015B	2	6.4	20	149	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0354	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00465	mg/Kg
4,4'-DDD	SW8081B	10	0.0057	0.020	0.0606	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0270	mg/Kg

S-7@2 ft

1908089-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.42	mg/Kg
Barium	SW6010B	1	0.055	5.00	100	mg/Kg
Chromium	SW6010B	1	0.075	5.00	72.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.93	mg/Kg
Copper	SW6010B	1	0.20	5.00	18.9	mg/Kg
Lead	SW6010B	1	0.10	3.00	35.4	mg/Kg
Nickel	SW6010B	1	0.50	5.00	33.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	57.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	56.7	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	8.43	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	83.1	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.00327	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.00559	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00245	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.00584	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S-6@1.5

1908089-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	1.88	mg/Kg
Barium	SW6010B	1	0.055	5.00	87.2	mg/Kg
Chromium	SW6010B	1	0.075	5.00	51.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	6.65	mg/Kg
Copper	SW6010B	1	0.20	5.00	12.7	mg/Kg
Lead	SW6010B	1	0.10	3.00	132	mg/Kg
Nickel	SW6010B	1	0.50	5.00	13.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	37.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	51.8	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	4.71	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	19.9	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.010	0.0170	mg/Kg

S-5@0 ft

1908089-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	2.81	mg/Kg
Barium	SW6010B	1	0.055	5.00	93.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	69.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.10	mg/Kg
Copper	SW6010B	1	0.20	5.00	13.9	mg/Kg
Lead	SW6010B	1	0.10	3.00	24.4	mg/Kg
Nickel	SW6010B	1	0.50	5.00	30.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	54.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	41.0	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	5.54	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	26.9	mg/Kg
gamma-Chlordane	SW8081B	3	0.00049	0.0060	0.00326	mg/Kg
alpha-Chlordane	SW8081B	3	0.00052	0.0060	0.00185	mg/Kg
4,4'-DDE	SW8081B	3	0.00058	0.0060	0.00460	mg/Kg
Dieldrin	SW8081B	3	0.00044	0.0060	0.00199	mg/Kg
4,4'-DDT	SW8081B	3	0.00039	0.0060	0.0915	mg/Kg
Chlordane	SW8081B	3	0.0063	0.060	0.0264	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S-5@2 ft

1908089-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	2.37	mg/Kg
Barium	SW6010B	1	0.055	5.00	86.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	61.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	5.90	mg/Kg
Copper	SW6010B	1	0.20	5.00	12.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	24.6	mg/Kg
Nickel	SW6010B	1	0.50	5.00	15.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	43.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	40.2	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	5.04	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	20.2	mg/Kg
Heptachlor Epoxide	SW8081B	1	0.00078	0.0020	0.000120	mg/Kg
gamma-Chlordane	SW8081B	1	0.00016	0.0020	0.000559	mg/Kg
alpha-Chlordane	SW8081B	1	0.00017	0.0020	0.000514	mg/Kg
4,4'-DDE	SW8081B	1	0.00019	0.0020	0.000909	mg/Kg
Dieldrin	SW8081B	1	0.00015	0.0020	0.000520	mg/Kg
4,4'-DDT	SW8081B	1	0.00013	0.0020	0.00125	mg/Kg
Chlordane	SW8081B	1	0.0021	0.020	0.00706	mg/Kg

S1@1.5 ft

1908089-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.50	mg/Kg
Barium	SW6010B	1	0.055	5.00	97.6	mg/Kg
Chromium	SW6010B	1	0.075	5.00	63.2	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.9	mg/Kg
Copper	SW6010B	1	0.20	5.00	17.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	31.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	36.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	52.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	51.1	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	7.56	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	45.2	mg/Kg
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	0.0706	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.00859	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00518	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0127	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00776	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.00430	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.0756	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.125	mg/Kg





## Sample Result Summary

Report prepared for: Brooke Spruit  
Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S2@0 ft

1908089-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.07	mg/Kg
Barium	SW6010B	1	0.055	5.00	114	mg/Kg
Chromium	SW6010B	1	0.075	5.00	74.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.4	mg/Kg
Lead	SW6010B	1	0.10	3.00	50.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	47.7	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	56.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	73.3	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	10.3	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	59.6	mg/Kg
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	0.00248	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0128	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00759	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0282	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00851	mg/Kg
4,4'-DDD	SW8081B	10	0.0057	0.020	0.0159	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.110	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.107	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S2@2 ft

1908089-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	2.77	mg/Kg
Barium	SW6010B	1	0.055	5.00	88.9	mg/Kg
Chromium	SW6010B	1	0.075	5.00	62.1	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.91	mg/Kg
Copper	SW6010B	1	0.20	5.00	15.5	mg/Kg
Lead	SW6010B	1	0.10	3.00	35.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	29.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	50.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	111	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	11.0	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	53.0	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0133	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00688	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0169	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.0107	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0298	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.112	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.175	mg/Kg
Phenanthrene	SW8270C	5	0.0018	0.252	0.402	mg/Kg
Fluoranthene	SW8270C	5	0.000003	0.252	0.579	mg/Kg
Pyrene	SW8270C	5	0.0029	0.252	0.552	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S3@0

1908089-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.88	mg/Kg
Barium	SW6010B	1	0.055	5.00	120	mg/Kg
Chromium	SW6010B	1	0.075	5.00	76.3	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	45.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	58.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	56.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	63.7	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	8.11	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	49.0	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0110	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00720	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0159	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00692	mg/Kg
4,4'-DDD	SW8081B	10	0.0057	0.020	0.00663	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0329	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.100	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.122	mg/Kg
Phenanthrene	SW8270C	5	0.0018	0.252	0.663	mg/Kg
Fluoranthene	SW8270C	5	0.000003	0.252	3.19	mg/Kg
Pyrene	SW8270C	5	0.0029	0.252	2.87	mg/Kg
Benz[a]anthracene	SW8270C	5	0.0029	0.252	2.69	mg/Kg
Chrysene	SW8270C	5	0.0025	0.252	2.24	mg/Kg
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	3.35	mg/Kg
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	1.24	mg/Kg
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	2.11	mg/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	0.987	mg/Kg
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	0.791	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

S3@2

1908089-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.99	mg/Kg
Barium	SW6010B	1	0.055	5.00	121	mg/Kg
Chromium	SW6010B	1	0.075	5.00	88.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	17.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	21.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	37.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	42.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	65.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	58.5	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	11.9	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	72.7	mg/Kg
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	0.00271	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0136	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.00878	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0230	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00969	mg/Kg
4,4'-DDD	SW8081B	10	0.0057	0.020	0.0108	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0367	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.123	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.141	mg/Kg

SP4@1.5

1908089-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.53	mg/Kg
Barium	SW6010B	1	0.055	5.00	100	mg/Kg
Chromium	SW6010B	1	0.075	5.00	65.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.72	mg/Kg
Copper	SW6010B	1	0.20	5.00	36.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	49.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	39.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	52.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	68.8	mg/Kg
Hexavalent Chromium	SW7199	1	0.00093	0.011	0.0218	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	9.17	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	54.2	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0446	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.0242	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0317	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.0385	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.367	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.472	mg/Kg



## Sample Result Summary

Report prepared for: Brooke Spruit  
 Engeo (San Ramon)

Date Received: 08/12/19

Date Reported: 08/13/19

SP-3

1908089-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.94	mg/Kg
Barium	SW6010B	1	0.055	5.00	92.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	59.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.61	mg/Kg
Copper	SW6010B	1	0.20	5.00	22.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	53.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	34.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	52.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	85.8	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	13.0	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	69.5	mg/Kg
gamma-Chlordane	SW8081B	10	0.0016	0.020	0.0553	mg/Kg
alpha-Chlordane	SW8081B	10	0.0017	0.020	0.0447	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0178	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00858	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0411	mg/Kg
Chlordane	SW8081B	10	0.021	0.20	0.517	mg/Kg

S-9

1908089-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	2.99	mg/Kg
Barium	SW6010B	1	0.055	5.00	84.8	mg/Kg
Chromium	SW6010B	1	0.075	5.00	72.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.60	mg/Kg
Copper	SW6010B	1	0.20	5.00	17.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	96.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	30.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	54.4	mg/Kg
Zinc	SW6010B	1	0.30	5.00	51.5	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	9.04	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	48.6	mg/Kg
4,4'-DDE	SW8081B	10	0.0019	0.020	0.0303	mg/Kg
Dieldrin	SW8081B	10	0.0015	0.020	0.00657	mg/Kg
4,4'-DDT	SW8081B	10	0.0013	0.020	0.0398	mg/Kg
Aroclor1254	SW8082A	1	0.0020	0.10	0.184	mg/Kg



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	<b>0.0565</b>		mg/Kg	08/13/19	4:01	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:00	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.06</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>114</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>64.9</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>11.1</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>31.0</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>68.0</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>37.1</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	11:35	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>80.4</b>		mg/Kg	08/13/19	11:35	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>75.5</b>		mg/Kg	08/13/19	11:35	PPATEL	441594





### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Thallium	SW6010B	10	5.5	50.0	ND		mg/Kg	08/13/19	13:53	PPATEL	441594
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**NOTE:** Diluted to suppression of the spectral signal in undiluted run



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	0:35	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>101</b>		%	08/13/19	0:35	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>97.0</b>		%	08/13/19	0:35	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0142</b>	J	mg/Kg	08/12/19	20:35	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00309</b>	J	mg/Kg	08/12/19	20:35	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0105</b>	J	mg/Kg	08/12/19	20:35	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	20:35	LA	441548
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	08/12/19	20:35	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	20:35	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>90.6</b>		%	08/12/19	20:35	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>90.8</b>		%	08/12/19	20:35	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0022	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Phenol	SW8270C	10	0.017	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2-Chlorophenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.013	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Hexachloroethane	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Nitrobenzene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2-Nitrophenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Naphthalene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
4-Chloroaniline	SW8270C	10	0.0050	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2-Methylnaphthalene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1-Methylnaphthalene	SW8270C	10	0.0043	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.0065	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.0058	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2-Chloronaphthalene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.033	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Dimethyl phthalate	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.027	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Acenaphthylene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.029	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.047	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Acenaphthene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.024	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.060	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.066	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Diethylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Fluorene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Hexachlorobenzene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Pentachlorophenol	SW8270C	10	0.052	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Phenanthrene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Anthracene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Carbazole	SW8270C	10	0.0094	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Di-n-butylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Fluoranthene	SW8270C	10	0.000006	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.012	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benz[a]anthracene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Chrysene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benzo[a]pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.0079	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	1:10	MT	441586
Pyridine	SW8270C	10	0.018	1.01	ND		mg/Kg	08/13/19	1:10	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>48.9</b>		%	08/13/19	1:10	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>48.9</b>		%	08/13/19	1:10	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>64.3</b>		%	08/13/19	1:10	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>72.9</b>		%	08/13/19	1:10	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>13.3</b>	S	%	08/13/19	1:10	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>92.1</b>		%	08/13/19	1:10	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

**NOTE:** S-surrogate outside of control limits due to possible matrix interference  
Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	3	2.6	6.0	<b>19.7</b>	x	mg/Kg	08/13/19	8:36	MK	441566
TPH as Motor Oil (SG)	SW8015B	3	9.5	30	<b>210</b>		mg/Kg	08/13/19	8:36	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>65.2</b>		%	08/13/19	8:36	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/13/19 12:01:00PM
<b>Prep Batch ID:</b> 1115683	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/13/19	12:59	JF	441585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/13/19 12:01:00PM
<b>Prep Batch ID:</b> 1115683	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	12:59	JF	441585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>97.1</b>		%	08/13/19	12:59	JF	441585
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.8</b>		%	08/13/19	12:59	JF	441585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>88.8</b>		%	08/13/19	12:59	JF	441585



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-1	<b>Lab Sample ID:</b>	1908089-001A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:25		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/13/19	12:01:00PM
<b>Prep Batch ID:</b> 1115684	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/13/19	12:59	JF	441585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>104</b>		%	08/13/19	12:59	JF	441585



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	<b>0.0245</b>		mg/Kg	08/13/19	5:04	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:10	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.23</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>113</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>75.4</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>10.7</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>23.0</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>20.1</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>34.3</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	11:52	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>56.9</b>		mg/Kg	08/13/19	11:52	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>41.6</b>		mg/Kg	08/13/19	11:52	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	0:50	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>100</b>		%	08/13/19	0:50	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>94.0</b>		%	08/13/19	0:50	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.00291</b>	J	mg/Kg	08/12/19	20:48	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.00235</b>	J	mg/Kg	08/12/19	20:48	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	20:48	LA	441548
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	08/12/19	20:48	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	20:48	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>91.1</b>		%	08/12/19	20:48	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>96.6</b>		%	08/12/19	20:48	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0022	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Phenol	SW8270C	10	0.017	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2-Chlorophenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.013	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Hexachloroethane	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Nitrobenzene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2-Nitrophenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Naphthalene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
4-Chloroaniline	SW8270C	10	0.0050	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2-Methylnaphthalene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1-Methylnaphthalene	SW8270C	10	0.0043	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.0065	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.0058	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2-Chloronaphthalene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.033	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Dimethyl phthalate	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.027	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Acenaphthylene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.029	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.047	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Acenaphthene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.024	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.060	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.066	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Diethylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Fluorene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Hexachlorobenzene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Pentachlorophenol	SW8270C	10	0.052	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Phenanthrene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Anthracene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Carbazole	SW8270C	10	0.0094	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Di-n-butylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Fluoranthene	SW8270C	10	0.000006	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.012	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benz[a]anthracene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Chrysene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benzo[a]pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.0079	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	1:40	MT	441586
Pyridine	SW8270C	10	0.018	1.01	ND		mg/Kg	08/13/19	1:40	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>49.1</b>		%	08/13/19	1:40	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>49.1</b>		%	08/13/19	1:40	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>56.3</b>		%	08/13/19	1:40	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>69.6</b>		%	08/13/19	1:40	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>28.1</b>		%	08/13/19	1:40	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>93.2</b>		%	08/13/19	1:40	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>9.34</b>	x	mg/Kg	08/12/19	22:37	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>63.8</b>		mg/Kg	08/12/19	22:37	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>56.6</b>		%	08/12/19	22:37	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	15:29	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:29	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>94.8</b>		%	08/12/19	15:29	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>98.7</b>		%	08/12/19	15:29	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.6</b>		%	08/12/19	15:29	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-2	<b>Lab Sample ID:</b>	1908089-003A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 8:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	15:29	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>103</b>		%	08/12/19	15:29	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	5:25	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:17	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>4.01</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>103</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>69.6</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>9.28</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>21.4</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>72.9</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>36.0</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:00	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>64.3</b>		mg/Kg	08/13/19	12:00	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>67.1</b>		mg/Kg	08/13/19	12:00	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	1:05	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>86.0</b>		%	08/13/19	1:05	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>83.0</b>		%	08/13/19	1:05	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.00594</b>	J	mg/Kg	08/12/19	21:02	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00351</b>	J	mg/Kg	08/12/19	21:02	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0220</b>		mg/Kg	08/12/19	21:02	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00382</b>	J	mg/Kg	08/12/19	21:02	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0168</b>	J	mg/Kg	08/12/19	21:02	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	21:02	LA	441548
Chlordane	SW8081B	10	0.021	0.20	<b>0.0391</b>	J	mg/Kg	08/12/19	21:02	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	21:02	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>77.1</b>		%	08/12/19	21:02	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>82.6</b>		%	08/12/19	21:02	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0022	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Phenol	SW8270C	10	0.017	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2-Chlorophenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.013	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Hexachloroethane	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Nitrobenzene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2-Nitrophenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Naphthalene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
4-Chloroaniline	SW8270C	10	0.0050	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2-Methylnaphthalene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1-Methylnaphthalene	SW8270C	10	0.0043	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.0065	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.0058	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2-Chloronaphthalene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.033	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Dimethyl phthalate	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.027	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Acenaphthylene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.029	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.047	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Acenaphthene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.024	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.060	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.066	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Diethylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Fluorene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Hexachlorobenzene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Pentachlorophenol	SW8270C	10	0.052	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Phenanthrene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Anthracene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Carbazole	SW8270C	10	0.0094	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Di-n-butylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Fluoranthene	SW8270C	10	0.000006	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.012	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benz[a]anthracene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Chrysene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benzo[a]pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.0079	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	2:10	MT	441586
Pyridine	SW8270C	10	0.018	1.01	ND		mg/Kg	08/13/19	2:10	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>50.0</b>		%	08/13/19	2:10	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>50.0</b>		%	08/13/19	2:10	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>57.8</b>		%	08/13/19	2:10	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>64.4</b>		%	08/13/19	2:10	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>47.7</b>		%	08/13/19	2:10	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>85.7</b>		%	08/13/19	2:10	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	2	1.7	4.0	<b>18.6</b>	x	mg/Kg	08/13/19	9:01	MK	441566
TPH as Motor Oil (SG)	SW8015B	2	6.4	20	<b>121</b>		mg/Kg	08/13/19	9:01	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>71.7</b>		%	08/13/19	9:01	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	15:59	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	15:59	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>97.3</b>		%	08/12/19	15:59	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.6</b>		%	08/12/19	15:59	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.1</b>		%	08/12/19	15:59	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-4@1.5	<b>Lab Sample ID:</b>	1908089-005A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:36		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	15:59	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>93.1</b>		%	08/12/19	15:59	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	<b>0.0111</b>		mg/Kg	08/13/19	5:46	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19 5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:19	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>7.14</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>277</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>64.6</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>12.0</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>49.3</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>80.3</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>37.8</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:04	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>57.7</b>		mg/Kg	08/13/19	12:04	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>112</b>		mg/Kg	08/13/19	12:04	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:04	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	<b>0.134</b>		mg/Kg	08/13/19	2:04	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>70.0</b>		%	08/13/19	2:04	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>67.0</b>		%	08/13/19	2:04	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.00358</b>	J	mg/Kg	08/12/19	21:15	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00204</b>	J	mg/Kg	08/12/19	21:15	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.00969</b>	J	mg/Kg	08/12/19	21:15	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00402</b>	J	mg/Kg	08/12/19	21:15	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0164</b>	J	mg/Kg	08/12/19	21:15	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	21:15	LA	441548
Chlordane	SW8081B	10	0.021	0.20	<b>0.0314</b>	J	mg/Kg	08/12/19	21:15	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	21:15	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>66.4</b>		%	08/12/19	21:15	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>68.3</b>		%	08/12/19	21:15	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	20	0.0043	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Phenol	SW8270C	20	0.033	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Bis(2-chloroethyl) ether	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2-Chlorophenol	SW8270C	20	0.023	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
1,3-Dichlorobenzene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1,4-Dichlorobenzene	SW8270C	20	0.022	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1,2-Dichlorobenzene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	20	0.020	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	20	0.023	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
N-nitroso-di-n-propylamine	SW8270C	20	0.026	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Hexachloroethane	SW8270C	20	0.0058	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Nitrobenzene	SW8270C	20	0.013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2-Nitrophenol	SW8270C	20	0.020	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2,4-Dimethylphenol	SW8270C	20	0.024	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	20	0.072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2,4-Dichlorophenol	SW8270C	20	0.0072	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
1,2,4-Trichlorobenzene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Naphthalene	SW8270C	20	0.0058	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
4-Chloroaniline	SW8270C	20	0.010	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2,6-Dichlorophenol	SW8270C	20	0.0072	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Hexachloro-1,3-butadiene	SW8270C	20	0.0072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
4-Chloro-3-methylphenol	SW8270C	20	0.020	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2-Methylnaphthalene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1-Methylnaphthalene	SW8270C	20	0.0086	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2,4,6-Trichlorophenol	SW8270C	20	0.013	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2,4,5-Trichlorophenol	SW8270C	20	0.012	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2-Chloronaphthalene	SW8270C	20	0.013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1,4-Dinitrobenzene	SW8270C	20	0.066	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Dimethyl phthalate	SW8270C	20	0.013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1,3-Dinitrobenzene	SW8270C	20	0.055	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Acenaphthylene	SW8270C	20	0.0058	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2,6-Dinitrotoluene	SW8270C	20	0.058	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
1,2-Dinitrobenzene	SW8270C	20	0.094	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Acenaphthene	SW8270C	20	0.0058	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	20	0.012	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2,4-Dinitrotoluene	SW8270C	20	0.048	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	20	0.12	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	20	0.13	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Diethylphthalate	SW8270C	20	0.035	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Fluorene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	20	0.013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
4-Bromophenyl phenyl ether	SW8270C	20	0.0072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Hexachlorobenzene	SW8270C	20	0.0072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Pentachlorophenol	SW8270C	20	0.10	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Phenanthrene	SW8270C	20	0.0072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Anthracene	SW8270C	20	0.013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Carbazole	SW8270C	20	0.019	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Di-n-butylphthalate	SW8270C	20	0.035	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Fluoranthene	SW8270C	20	0.000013	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Pyrene	SW8270C	20	0.012	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benzyl butyl phthalate	SW8270C	20	0.024	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benz[a]anthracene	SW8270C	20	0.012	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Chrysene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	20	0.072	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Di-n-octyl phthalate	SW8270C	20	0.022	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benzo[b]fluoranthene	SW8270C	20	0.012	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benzo[k]fluoranthene	SW8270C	20	0.010	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benzo[a]pyrene	SW8270C	20	0.012	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	20	0.016	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Dibenz[a,h]anthracene	SW8270C	20	0.014	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Benzo[g,h,i]perylene	SW8270C	20	0.014	1.01	ND		mg/Kg	08/13/19	2:40	MT	441586
Pyridine	SW8270C	20	0.036	2.02	ND		mg/Kg	08/13/19	2:40	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	2:40	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	5	4.3	10	14.6	x	mg/Kg	08/13/19	9:26	MK	441566
TPH as Motor Oil (SG)	SW8015B	5	16	50	324		mg/Kg	08/13/19	9:26	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		51.1		%	08/13/19	9:26	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	16:28	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:28	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>95.5</b>		%	08/12/19	16:28	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.7</b>		%	08/12/19	16:28	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>80.8</b>		%	08/12/19	16:28	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-8@1.5	<b>Lab Sample ID:</b>	1908089-006A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:42		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	16:28	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>81.4</b>		%	08/12/19	16:28	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	<b>0.0468</b>		mg/Kg	08/13/19	6:06	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:21	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>4.00</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>103</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>77.9</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>12.6</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>45.6</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>89.7</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>60.0</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:16	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>61.4</b>		mg/Kg	08/13/19	12:16	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>90.2</b>		mg/Kg	08/13/19	12:16	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	2:19	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>77.0</b>		%	08/13/19	2:19	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>74.0</b>		%	08/13/19	2:19	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0354</b>		mg/Kg	08/12/19	21:29	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00465</b>	J	mg/Kg	08/12/19	21:29	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	<b>0.0606</b>		mg/Kg	08/12/19	21:29	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0270</b>		mg/Kg	08/12/19	21:29	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	21:29	LA	441548
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	08/12/19	21:29	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	21:29	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>74.2</b>		%	08/12/19	21:29	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>73.5</b>		%	08/12/19	21:29	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0022	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Phenol	SW8270C	10	0.017	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2-Chlorophenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.013	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Hexachloroethane	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Nitrobenzene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2-Nitrophenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Naphthalene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
4-Chloroaniline	SW8270C	10	0.0050	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2-Methylnaphthalene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1-Methylnaphthalene	SW8270C	10	0.0043	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.0065	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.0058	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2-Chloronaphthalene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.033	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Dimethyl phthalate	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.027	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Acenaphthylene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.029	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.047	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Acenaphthene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.024	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.060	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.066	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Diethylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Fluorene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Hexachlorobenzene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Pentachlorophenol	SW8270C	10	0.052	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Phenanthrene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Anthracene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Carbazole	SW8270C	10	0.0094	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Di-n-butylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Fluoranthene	SW8270C	10	0.000006	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.012	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benz[a]anthracene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Chrysene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benzo[a]pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.0079	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	3:09	MT	441586
Pyridine	SW8270C	10	0.018	1.01	ND		mg/Kg	08/13/19	3:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>52.6</b>		%	08/13/19	3:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>52.6</b>		%	08/13/19	3:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>59.4</b>		%	08/13/19	3:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>66.2</b>		%	08/13/19	3:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>53.2</b>		%	08/13/19	3:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>86.6</b>		%	08/13/19	3:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	2	1.7	4.0	<b>12.8</b>	x	mg/Kg	08/13/19	9:52	MK	441566
TPH as Motor Oil (SG)	SW8015B	2	6.4	20	<b>149</b>		mg/Kg	08/13/19	9:52	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>55.3</b>		%	08/13/19	9:52	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	17:56	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	17:56	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>97.9</b>		%	08/12/19	17:56	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>101</b>		%	08/12/19	17:56	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.7</b>		%	08/12/19	17:56	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@0 ft	<b>Lab Sample ID:</b>	1908089-007A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:48		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	17:56	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>90.5</b>		%	08/12/19	17:56	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	7:09	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:24	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.42</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>100</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>72.6</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>8.93</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>18.9</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>35.4</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>33.5</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:19	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>57.6</b>		mg/Kg	08/13/19	12:19	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>56.7</b>		mg/Kg	08/13/19	12:19	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	12:58	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>103</b>		%	08/13/19	12:58	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>104</b>		%	08/13/19	12:58	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.00327</b>	J	mg/Kg	08/12/19	21:42	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.00559</b>	J	mg/Kg	08/12/19	21:42	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00245</b>	J	mg/Kg	08/12/19	21:42	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.00584</b>	J	mg/Kg	08/12/19	21:42	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	21:42	LA	441548
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	08/12/19	21:42	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	21:42	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>87.1</b>		%	08/12/19	21:42	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>89.9</b>		%	08/12/19	21:42	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0060	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Phenol	SW8270C	10	0.046	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2-Chlorophenol	SW8270C	10	0.032	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.030	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.028	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.032	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.036	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Hexachloroethane	SW8270C	10	0.0080	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Nitrobenzene	SW8270C	10	0.018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2-Nitrophenol	SW8270C	10	0.028	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.034	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.10	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.010	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Naphthalene	SW8270C	10	0.0080	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
4-Chloroaniline	SW8270C	10	0.014	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.010	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.010	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.028	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2-Methylnaphthalene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1-Methylnaphthalene	SW8270C	10	0.012	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.018	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.016	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2-Chloronaphthalene	SW8270C	10	0.018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.092	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Dimethyl phthalate	SW8270C	10	0.018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.076	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Acenaphthylene	SW8270C	10	0.0080	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.080	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.13	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Acenaphthene	SW8270C	10	0.0080	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.016	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.066	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.17	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.18	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Diethylphthalate	SW8270C	10	0.048	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Fluorene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.010	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Hexachlorobenzene	SW8270C	10	0.010	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Pentachlorophenol	SW8270C	10	0.14	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Phenanthrene	SW8270C	10	0.010	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Anthracene	SW8270C	10	0.018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Carbazole	SW8270C	10	0.026	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Di-n-butylphthalate	SW8270C	10	0.048	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Fluoranthene	SW8270C	10	0.000018	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Pyrene	SW8270C	10	0.016	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.034	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benz[a]anthracene	SW8270C	10	0.016	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Chrysene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.10	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.030	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.016	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.014	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benzo[a]pyrene	SW8270C	10	0.016	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.022	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.020	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.020	1.40	ND		mg/Kg	08/13/19	3:39	MT	441586
Pyridine	SW8270C	10	0.050	2.80	ND		mg/Kg	08/13/19	3:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>0.000</b>	D	%	08/13/19	3:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>8.43</b>	x	mg/Kg	08/13/19	0:18	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>83.1</b>		mg/Kg	08/13/19	0:18	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>54.4</b>		%	08/13/19	0:18	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	18:55	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:55	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>97.8</b>		%	08/12/19	18:55	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.9</b>		%	08/12/19	18:55	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>85.3</b>		%	08/12/19	18:55	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-7@2 ft	<b>Lab Sample ID:</b>	1908089-008A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	18:55	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>98.3</b>		%	08/12/19	18:55	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	7:30	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:26	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>1.88</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>87.2</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>51.6</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>6.65</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>12.7</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>132</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>13.6</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:23	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>37.2</b>		mg/Kg	08/13/19	12:23	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>51.8</b>		mg/Kg	08/13/19	12:23	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	13:13	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>91.0</b>		%	08/13/19	13:13	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>92.0</b>		%	08/13/19	13:13	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	1	0.00013	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
gamma-BHC (Lindane)	SW8081B	1	0.00016	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
beta-BHC	SW8081B	1	0.00032	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
delta-BHC	SW8081B	1	0.00016	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Heptachlor	SW8081B	1	0.00011	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Aldrin	SW8081B	1	0.00020	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Heptachlor Epoxide	SW8081B	1	0.000078	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
gamma-Chlordane	SW8081B	1	0.00016	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
alpha-Chlordane	SW8081B	1	0.00017	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
4,4'-DDE	SW8081B	1	0.00019	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endosulfan I	SW8081B	1	0.00018	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Dieldrin	SW8081B	1	0.00015	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endrin	SW8081B	1	0.00019	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
4,4'-DDD	SW8081B	1	0.00057	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endosulfan II	SW8081B	1	0.00058	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
4,4'-DDT	SW8081B	1	0.00013	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endrin Aldehyde	SW8081B	1	0.00015	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Methoxychlor	SW8081B	1	0.00020	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endosulfan Sulfate	SW8081B	1	0.00012	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Endrin Ketone	SW8081B	1	0.000094	0.0020	ND		mg/Kg	08/12/19	21:55	LA	441548
Chlordane	SW8081B	1	0.0021	0.020	ND		mg/Kg	08/12/19	21:55	LA	441548
Toxaphene	SW8081B	1	0.0085	0.050	ND		mg/Kg	08/12/19	21:55	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>65.6</b>		%	08/12/19	21:55	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>60.5</b>		%	08/12/19	21:55	LA	441548



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	2	0.00043	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Phenol	SW8270C	2	0.0033	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2-Chlorophenol	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
1,3-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1,4-Dichlorobenzene	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1,2-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	2	0.0026	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Hexachloroethane	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Nitrobenzene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2-Nitrophenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2,4-Dimethylphenol	SW8270C	2	0.0024	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2,4-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Naphthalene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
4-Chloroaniline	SW8270C	2	0.0010	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2,6-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2-Methylnaphthalene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1-Methylnaphthalene	SW8270C	2	0.00086	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	2	0.0013	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	2	0.0012	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2-Chloronaphthalene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1,4-Dinitrobenzene	SW8270C	2	0.0066	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Dimethyl phthalate	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1,3-Dinitrobenzene	SW8270C	2	0.0055	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Acenaphthylene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2,6-Dinitrotoluene	SW8270C	2	0.0058	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
1,2-Dinitrobenzene	SW8270C	2	0.0094	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Acenaphthene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2,4-Dinitrotoluene	SW8270C	2	0.0048	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	2	0.012	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	2	0.013	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Diethylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Fluorene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Hexachlorobenzene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Pentachlorophenol	SW8270C	2	0.010	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Phenanthrene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Anthracene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Carbazole	SW8270C	2	0.0019	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Di-n-butylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Fluoranthene	SW8270C	2	0.000001	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benzyl butyl phthalate	SW8270C	2	0.0024	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benz[a]anthracene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Chrysene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Di-n-octyl phthalate	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benzo[b]fluoranthene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benzo[k]fluoranthene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benzo[a]pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	2	0.0016	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	4:09	MT	441586
Pyridine	SW8270C	2	0.0036	0.202	ND		mg/Kg	08/13/19	4:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>62.9</b>		%	08/13/19	4:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>62.9</b>		%	08/13/19	4:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>66.7</b>		%	08/13/19	4:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>65.0</b>		%	08/13/19	4:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>70.6</b>		%	08/13/19	4:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>80.1</b>		%	08/13/19	4:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>4.71</b>	x	mg/Kg	08/13/19	0:43	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>19.9</b>		mg/Kg	08/13/19	0:43	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>55.4</b>		%	08/13/19	0:43	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	19:24	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:24	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	<b>0.0170</b>		mg/Kg	08/12/19	19:24	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>95.2</b>		%	08/12/19	19:24	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.0</b>		%	08/12/19	19:24	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>82.4</b>		%	08/12/19	19:24	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-6@1.5	<b>Lab Sample ID:</b>	1908089-009A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	19:24	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>90.7</b>		%	08/12/19	19:24	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	7:51	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:32	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>2.81</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>93.0</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>69.9</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>9.10</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>13.9</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>24.4</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>30.5</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:27	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>54.3</b>		mg/Kg	08/13/19	12:27	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>41.0</b>		mg/Kg	08/13/19	12:27	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	2:34	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>92.0</b>		%	08/13/19	2:34	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>86.0</b>		%	08/13/19	2:34	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.00038	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
gamma-BHC (Lindane)	SW8081B	3	0.00048	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
beta-BHC	SW8081B	3	0.00095	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
delta-BHC	SW8081B	3	0.00047	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Heptachlor	SW8081B	3	0.00032	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Aldrin	SW8081B	3	0.00059	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Heptachlor Epoxide	SW8081B	3	0.00023	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
gamma-Chlordane	SW8081B	3	0.00049	0.0060	<b>0.00326</b>	J	mg/Kg	08/12/19	22:09	LA	441548
alpha-Chlordane	SW8081B	3	0.00052	0.0060	<b>0.00185</b>	J	mg/Kg	08/12/19	22:09	LA	441548
4,4'-DDE	SW8081B	3	0.00058	0.0060	<b>0.00460</b>	J	mg/Kg	08/12/19	22:09	LA	441548
Endosulfan I	SW8081B	3	0.00055	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Dieldrin	SW8081B	3	0.00044	0.0060	<b>0.00199</b>	J	mg/Kg	08/12/19	22:09	LA	441548
Endrin	SW8081B	3	0.00056	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
4,4'-DDD	SW8081B	3	0.0017	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Endosulfan II	SW8081B	3	0.0017	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
4,4'-DDT	SW8081B	3	0.00039	0.0060	<b>0.0915</b>		mg/Kg	08/12/19	22:09	LA	441548
Endrin Aldehyde	SW8081B	3	0.00045	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Methoxychlor	SW8081B	3	0.00060	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Endosulfan Sulfate	SW8081B	3	0.00035	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Endrin Ketone	SW8081B	3	0.00028	0.0060	ND		mg/Kg	08/12/19	22:09	LA	441548
Chlordane	SW8081B	3	0.0063	0.060	<b>0.0264</b>	J	mg/Kg	08/12/19	22:09	LA	441548
Toxaphene	SW8081B	3	0.026	0.15	ND		mg/Kg	08/12/19	22:09	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>77.9</b>		%	08/12/19	22:09	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>72.9</b>		%	08/12/19	22:09	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	2	0.00043	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Phenol	SW8270C	2	0.0033	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2-Chlorophenol	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
1,3-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1,4-Dichlorobenzene	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1,2-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	2	0.0026	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Hexachloroethane	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Nitrobenzene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2-Nitrophenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2,4-Dimethylphenol	SW8270C	2	0.0024	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2,4-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Naphthalene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
4-Chloroaniline	SW8270C	2	0.0010	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2,6-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2-Methylnaphthalene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1-Methylnaphthalene	SW8270C	2	0.00086	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	2	0.0013	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	2	0.0012	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2-Chloronaphthalene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1,4-Dinitrobenzene	SW8270C	2	0.0066	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Dimethyl phthalate	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1,3-Dinitrobenzene	SW8270C	2	0.0055	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Acenaphthylene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2,6-Dinitrotoluene	SW8270C	2	0.0058	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
1,2-Dinitrobenzene	SW8270C	2	0.0094	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Acenaphthene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2,4-Dinitrotoluene	SW8270C	2	0.0048	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	2	0.012	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	2	0.013	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Diethylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Fluorene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Hexachlorobenzene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Pentachlorophenol	SW8270C	2	0.010	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Phenanthrene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Anthracene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Carbazole	SW8270C	2	0.0019	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Di-n-butylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Fluoranthene	SW8270C	2	0.000001	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benzyl butyl phthalate	SW8270C	2	0.0024	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benz[a]anthracene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Chrysene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Di-n-octyl phthalate	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benzo[b]fluoranthene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benzo[k]fluoranthene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benzo[a]pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	2	0.0016	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	4:39	MT	441586
Pyridine	SW8270C	2	0.0036	0.202	ND		mg/Kg	08/13/19	4:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>55.3</b>		%	08/13/19	4:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>55.3</b>		%	08/13/19	4:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>59.3</b>		%	08/13/19	4:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>66.0</b>		%	08/13/19	4:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>70.2</b>		%	08/13/19	4:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>85.6</b>		%	08/13/19	4:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>5.54</b>	x	mg/Kg	08/13/19	1:08	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>26.9</b>		mg/Kg	08/13/19	1:08	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>54.6</b>		%	08/13/19	1:08	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	16:57	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	16:57	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>99.3</b>		%	08/12/19	16:57	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>102</b>		%	08/12/19	16:57	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.4</b>		%	08/12/19	16:57	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@0 ft	<b>Lab Sample ID:</b>	1908089-010A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	16:57	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>92.5</b>		%	08/12/19	16:57	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	8:12	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:34	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>2.37</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>86.0</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>61.7</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>5.90</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>12.8</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>24.6</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>15.2</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:31	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>43.5</b>		mg/Kg	08/13/19	12:31	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>40.2</b>		mg/Kg	08/13/19	12:31	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	2:49	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>92.0</b>		%	08/13/19	2:49	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>85.0</b>		%	08/13/19	2:49	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	1	0.00013	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
gamma-BHC (Lindane)	SW8081B	1	0.00016	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
beta-BHC	SW8081B	1	0.00032	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
delta-BHC	SW8081B	1	0.00016	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Heptachlor	SW8081B	1	0.00011	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Aldrin	SW8081B	1	0.00020	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Heptachlor Epoxide	SW8081B	1	0.000078	0.0020	<b>0.000120</b>	J	mg/Kg	08/12/19	22:22	LA	441548
gamma-Chlordane	SW8081B	1	0.00016	0.0020	<b>0.000559</b>	J	mg/Kg	08/12/19	22:22	LA	441548
alpha-Chlordane	SW8081B	1	0.00017	0.0020	<b>0.000514</b>	J	mg/Kg	08/12/19	22:22	LA	441548
4,4'-DDE	SW8081B	1	0.00019	0.0020	<b>0.000909</b>	J	mg/Kg	08/12/19	22:22	LA	441548
Endosulfan I	SW8081B	1	0.00018	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Dieldrin	SW8081B	1	0.00015	0.0020	<b>0.000520</b>	J	mg/Kg	08/12/19	22:22	LA	441548
Endrin	SW8081B	1	0.00019	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
4,4'-DDD	SW8081B	1	0.00057	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Endosulfan II	SW8081B	1	0.00058	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
4,4'-DDT	SW8081B	1	0.00013	0.0020	<b>0.00125</b>	J	mg/Kg	08/12/19	22:22	LA	441548
Endrin Aldehyde	SW8081B	1	0.00015	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Methoxychlor	SW8081B	1	0.00020	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Endosulfan Sulfate	SW8081B	1	0.00012	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Endrin Ketone	SW8081B	1	0.000094	0.0020	ND		mg/Kg	08/12/19	22:22	LA	441548
Chlordane	SW8081B	1	0.0021	0.020	<b>0.00706</b>	J	mg/Kg	08/12/19	22:22	LA	441548
Toxaphene	SW8081B	1	0.0085	0.050	ND		mg/Kg	08/12/19	22:22	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>71.4</b>		%	08/12/19	22:22	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>65.4</b>		%	08/12/19	22:22	LA	441548



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	2	0.00043	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Phenol	SW8270C	2	0.0033	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2-Chlorophenol	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
1,3-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1,4-Dichlorobenzene	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1,2-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	2	0.0026	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Hexachloroethane	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Nitrobenzene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2-Nitrophenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2,4-Dimethylphenol	SW8270C	2	0.0024	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2,4-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Naphthalene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
4-Chloroaniline	SW8270C	2	0.0010	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2,6-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2-Methylnaphthalene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1-Methylnaphthalene	SW8270C	2	0.00086	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	2	0.0013	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	2	0.0012	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2-Chloronaphthalene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1,4-Dinitrobenzene	SW8270C	2	0.0066	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Dimethyl phthalate	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1,3-Dinitrobenzene	SW8270C	2	0.0055	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Acenaphthylene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2,6-Dinitrotoluene	SW8270C	2	0.0058	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
1,2-Dinitrobenzene	SW8270C	2	0.0094	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Acenaphthene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2,4-Dinitrotoluene	SW8270C	2	0.0048	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	2	0.012	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	2	0.013	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Diethylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Fluorene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Hexachlorobenzene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Pentachlorophenol	SW8270C	2	0.010	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Phenanthrene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Anthracene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Carbazole	SW8270C	2	0.0019	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Di-n-butylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Fluoranthene	SW8270C	2	0.000001	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benzyl butyl phthalate	SW8270C	2	0.0024	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benz[a]anthracene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Chrysene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Di-n-octyl phthalate	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benzo[b]fluoranthene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benzo[k]fluoranthene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benzo[a]pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	2	0.0016	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	5:09	MT	441586
Pyridine	SW8270C	2	0.0036	0.202	ND		mg/Kg	08/13/19	5:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		54.1		%	08/13/19	5:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		54.1		%	08/13/19	5:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		58.5		%	08/13/19	5:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		59.8		%	08/13/19	5:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		68.4		%	08/13/19	5:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		85.1		%	08/13/19	5:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>5.04</b>	x	mg/Kg	08/13/19	1:33	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>20.2</b>		mg/Kg	08/13/19	1:33	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>60.9</b>		%	08/13/19	1:33	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	18:26	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	18:26	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>99.9</b>		%	08/12/19	18:26	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>102</b>		%	08/12/19	18:26	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.5</b>		%	08/12/19	18:26	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-5@2 ft	<b>Lab Sample ID:</b>	1908089-011A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	18:26	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>82.7</b>		%	08/12/19	18:26	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	8:33	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:39	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.50</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>97.6</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>63.2</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>10.9</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>17.6</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>31.5</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>36.8</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:38	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>52.2</b>		mg/Kg	08/13/19	12:38	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>51.1</b>		mg/Kg	08/13/19	12:38	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.125</b>		mg/Kg	08/13/19	3:03	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	3:03	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>97.0</b>		%	08/13/19	3:03	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>93.0</b>		%	08/13/19	3:03	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	<b>0.0706</b>		mg/Kg	08/12/19	22:36	LA	441548
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.00859</b>	J	mg/Kg	08/12/19	22:36	LA	441548
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00518</b>	J	mg/Kg	08/12/19	22:36	LA	441548
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0127</b>	J	mg/Kg	08/12/19	22:36	LA	441548
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00776</b>	J	mg/Kg	08/12/19	22:36	LA	441548
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.00430</b>	J	mg/Kg	08/12/19	22:36	LA	441548
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/12/19	22:36	LA	441548
Chlordane	SW8081B	10	0.021	0.20	<b>0.0756</b>	J	mg/Kg	08/12/19	22:36	LA	441548
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/12/19	22:36	LA	441548
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>88.7</b>		%	08/12/19	22:36	LA	441548
DCBP (S)	SW8081B		38 - 135		<b>93.2</b>		%	08/12/19	22:36	LA	441548

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	10	0.0022	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Phenol	SW8270C	10	0.017	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2-Chlorophenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
1,3-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1,4-Dichlorobenzene	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1,2-Dichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	10	0.013	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Hexachloroethane	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Nitrobenzene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2-Nitrophenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2,4-Dimethylphenol	SW8270C	10	0.012	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2,4-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Naphthalene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
4-Chloroaniline	SW8270C	10	0.0050	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2,6-Dichlorophenol	SW8270C	10	0.0036	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	10	0.010	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2-Methylnaphthalene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1-Methylnaphthalene	SW8270C	10	0.0043	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	10	0.0065	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	10	0.0058	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2-Chloronaphthalene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1,4-Dinitrobenzene	SW8270C	10	0.033	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Dimethyl phthalate	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1,3-Dinitrobenzene	SW8270C	10	0.027	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Acenaphthylene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2,6-Dinitrotoluene	SW8270C	10	0.029	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
1,2-Dinitrobenzene	SW8270C	10	0.047	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Acenaphthene	SW8270C	10	0.0029	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2,4-Dinitrotoluene	SW8270C	10	0.024	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	10	0.060	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	10	0.066	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Diethylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Fluorene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Hexachlorobenzene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Pentachlorophenol	SW8270C	10	0.052	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Phenanthrene	SW8270C	10	0.0036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Anthracene	SW8270C	10	0.0065	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Carbazole	SW8270C	10	0.0094	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Di-n-butylphthalate	SW8270C	10	0.017	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Fluoranthene	SW8270C	10	0.000006	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benzyl butyl phthalate	SW8270C	10	0.012	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benz[a]anthracene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Chrysene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	10	0.036	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Di-n-octyl phthalate	SW8270C	10	0.011	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benzo[b]fluoranthene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benzo[k]fluoranthene	SW8270C	10	0.0050	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benzo[a]pyrene	SW8270C	10	0.0058	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.0079	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	10	0.0072	0.504	ND		mg/Kg	08/13/19	5:39	MT	441586
Pyridine	SW8270C	10	0.018	1.01	ND		mg/Kg	08/13/19	5:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>51.9</b>		%	08/13/19	5:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>51.9</b>		%	08/13/19	5:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>53.6</b>		%	08/13/19	5:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>61.7</b>		%	08/13/19	5:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>48.9</b>		%	08/13/19	5:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>79.0</b>		%	08/13/19	5:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>7.56</b>	x	mg/Kg	08/13/19	1:57	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>45.2</b>		mg/Kg	08/13/19	1:57	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>60.6</b>		%	08/13/19	1:57	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	19:53	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	19:53	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>99.6</b>		%	08/12/19	19:53	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>101</b>		%	08/12/19	19:53	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>85.6</b>		%	08/12/19	19:53	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S1@1.5 ft	<b>Lab Sample ID:</b>	1908089-012A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:19		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	19:53	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>92.3</b>		%	08/12/19	19:53	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	8:54	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:41	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>4.07</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>114</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>74.9</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>11.6</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>23.4</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>50.3</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>47.7</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:42	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>56.3</b>		mg/Kg	08/13/19	12:42	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>73.3</b>		mg/Kg	08/13/19	12:42	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	3:18	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>86.0</b>		%	08/13/19	3:18	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>85.0</b>		%	08/13/19	3:18	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	<b>0.00248</b>	J	mg/Kg	08/13/19	4:15	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0128</b>	J	mg/Kg	08/13/19	4:15	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00759</b>	J	mg/Kg	08/13/19	4:15	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0282</b>		mg/Kg	08/13/19	4:15	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00851</b>	J	mg/Kg	08/13/19	4:15	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	<b>0.0159</b>	J	mg/Kg	08/13/19	4:15	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.110</b>		mg/Kg	08/13/19	4:15	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	4:15	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.107</b>	J	mg/Kg	08/13/19	4:15	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	4:15	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>88.1</b>		%	08/13/19	4:15	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>90.3</b>		%	08/13/19	4:15	LA	441549

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	6:09	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	6:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>50.6</b>		%	08/13/19	6:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>50.6</b>		%	08/13/19	6:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>58.6</b>		%	08/13/19	6:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>60.7</b>		%	08/13/19	6:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>54.8</b>		%	08/13/19	6:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>78.6</b>		%	08/13/19	6:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>10.3</b>	x	mg/Kg	08/13/19	3:37	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>59.6</b>		mg/Kg	08/13/19	3:37	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>55.4</b>		%	08/13/19	3:37	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	20:22	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:22	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>98.7</b>		%	08/12/19	20:22	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.1</b>		%	08/12/19	20:22	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.5</b>		%	08/12/19	20:22	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@0 ft	<b>Lab Sample ID:</b>	1908089-013A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:24		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	20:22	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>92.6</b>		%	08/12/19	20:22	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	9:15	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:43	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>2.77</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>88.9</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>62.1</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>7.91</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>15.5</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>35.5</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>29.8</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:46	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>50.9</b>		mg/Kg	08/13/19	12:46	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>111</b>		mg/Kg	08/13/19	12:46	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.175</b>		mg/Kg	08/13/19	3:33	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	3:33	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>98.0</b>		%	08/13/19	3:33	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>96.0</b>		%	08/13/19	3:33	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0133</b>	J	mg/Kg	08/13/19	4:56	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00688</b>	J	mg/Kg	08/13/19	4:56	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0169</b>	J	mg/Kg	08/13/19	4:56	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.0107</b>	J	mg/Kg	08/13/19	4:56	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0298</b>		mg/Kg	08/13/19	4:56	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	4:56	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.112</b>	J	mg/Kg	08/13/19	4:56	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	4:56	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>98.3</b>		%	08/13/19	4:56	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>99.9</b>		%	08/13/19	4:56	LA	441549

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	<b>0.402</b>		mg/Kg	08/13/19	6:39	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	<b>0.579</b>		mg/Kg	08/13/19	6:39	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	<b>0.552</b>		mg/Kg	08/13/19	6:39	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	6:39	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	6:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>46.8</b>		%	08/13/19	6:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>46.8</b>		%	08/13/19	6:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>49.4</b>		%	08/13/19	6:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>56.2</b>		%	08/13/19	6:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>51.6</b>		%	08/13/19	6:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>73.4</b>		%	08/13/19	6:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	11.0	x	mg/Kg	08/13/19	4:02	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	53.0		mg/Kg	08/13/19	4:02	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		61.2		%	08/13/19	4:02	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	20:51	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	20:51	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>94.9</b>		%	08/12/19	20:51	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>100</b>		%	08/12/19	20:51	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.3</b>		%	08/12/19	20:51	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S2@2 ft	<b>Lab Sample ID:</b>	1908089-014A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:26		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	20:51	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>93.1</b>		%	08/12/19	20:51	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	9:36	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:45	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.88</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>120</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>76.3</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>12.1</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>23.6</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>45.1</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>58.1</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	12:50	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>56.2</b>		mg/Kg	08/13/19	12:50	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>63.7</b>		mg/Kg	08/13/19	12:50	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.122</b>		mg/Kg	08/13/19	3:48	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	3:48	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>78.0</b>		%	08/13/19	3:48	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>77.0</b>		%	08/13/19	3:48	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0110</b>	J	mg/Kg	08/13/19	5:09	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00720</b>	J	mg/Kg	08/13/19	5:09	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0159</b>	J	mg/Kg	08/13/19	5:09	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00692</b>	J	mg/Kg	08/13/19	5:09	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	<b>0.00663</b>	J	mg/Kg	08/13/19	5:09	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0329</b>		mg/Kg	08/13/19	5:09	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	5:09	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.100</b>	J	mg/Kg	08/13/19	5:09	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	5:09	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>78.6</b>		%	08/13/19	5:09	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>81.7</b>		%	08/13/19	5:09	LA	441549

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	<b>0.663</b>		mg/Kg	08/13/19	7:09	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	<b>3.19</b>		mg/Kg	08/13/19	7:09	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	<b>2.87</b>		mg/Kg	08/13/19	7:09	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	<b>2.69</b>		mg/Kg	08/13/19	7:09	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	<b>2.24</b>		mg/Kg	08/13/19	7:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	<b>3.35</b>		mg/Kg	08/13/19	7:09	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	<b>1.24</b>		mg/Kg	08/13/19	7:09	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	<b>2.11</b>		mg/Kg	08/13/19	7:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	<b>0.987</b>		mg/Kg	08/13/19	7:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	7:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	<b>0.791</b>		mg/Kg	08/13/19	7:09	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	7:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>55.1</b>		%	08/13/19	7:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>55.1</b>		%	08/13/19	7:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>59.9</b>		%	08/13/19	7:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>65.1</b>		%	08/13/19	7:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>62.2</b>		%	08/13/19	7:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>88.8</b>		%	08/13/19	7:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>8.11</b>	x	mg/Kg	08/13/19	4:27	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>49.0</b>		mg/Kg	08/13/19	4:27	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>48.0</b>		%	08/13/19	4:27	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	21:20	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:20	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>103</b>		%	08/12/19	21:20	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.8</b>		%	08/12/19	21:20	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>86.1</b>		%	08/12/19	21:20	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@0	<b>Lab Sample ID:</b>	1908089-015A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:35		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	21:20	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>91.9</b>		%	08/12/19	21:20	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b> IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	9:56	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:47	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>4.99</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>121</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>88.8</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>17.7</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>21.1</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>37.5</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>42.6</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	13:01	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>65.5</b>		mg/Kg	08/13/19	13:01	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>58.5</b>		mg/Kg	08/13/19	13:01	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.141</b>		mg/Kg	08/13/19	4:03	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	4:03	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>104</b>		%	08/13/19	4:03	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>101</b>		%	08/13/19	4:03	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	<b>0.00271</b>	J	mg/Kg	08/13/19	5:22	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0136</b>	J	mg/Kg	08/13/19	5:22	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.00878</b>	J	mg/Kg	08/13/19	5:22	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0230</b>		mg/Kg	08/13/19	5:22	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00969</b>	J	mg/Kg	08/13/19	5:22	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	<b>0.0108</b>	J	mg/Kg	08/13/19	5:22	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0367</b>		mg/Kg	08/13/19	5:22	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	5:22	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.123</b>	J	mg/Kg	08/13/19	5:22	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	5:22	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>105</b>		%	08/13/19	5:22	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>103</b>		%	08/13/19	5:22	LA	441549

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	7:39	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	7:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		55.5		%	08/13/19	7:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		55.5		%	08/13/19	7:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		62.9		%	08/13/19	7:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		66.4		%	08/13/19	7:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		68.5		%	08/13/19	7:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		90.4		%	08/13/19	7:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>11.9</b>	x	mg/Kg	08/13/19	4:52	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>72.7</b>		mg/Kg	08/13/19	4:52	MK	441566
Acceptance Limits											
Pentacosane (S)	SW8015B		40 - 129		<b>62.3</b>		%	08/13/19	4:52	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	21:49	JF	441552
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115668	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:49	JF	441552
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>101</b>		%	08/12/19	21:49	JF	441552
(S) Toluene-d8	SW8260B		55.2 - 133		<b>100</b>		%	08/12/19	21:49	JF	441552
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>84.1</b>		%	08/12/19	21:49	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S3@2	<b>Lab Sample ID:</b>	1908089-016A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:40		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	12:34:00PM
<b>Prep Batch ID:</b> 1115669	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	21:49	JF	441552
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>90.6</b>		%	08/12/19	21:49	JF	441552



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	<b>0.0218</b>		mg/Kg	08/13/19	10:59	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:50	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>4.53</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>100</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>65.6</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>9.72</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>36.8</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>49.1</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>39.5</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	13:05	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>52.0</b>		mg/Kg	08/13/19	13:05	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>68.8</b>		mg/Kg	08/13/19	13:05	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.472</b>		mg/Kg	08/13/19	4:18	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	4:18	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>98.0</b>		%	08/13/19	4:18	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>96.0</b>		%	08/13/19	4:18	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0446</b>		mg/Kg	08/13/19	5:36	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.0242</b>		mg/Kg	08/13/19	5:36	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0317</b>		mg/Kg	08/13/19	5:36	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.0385</b>		mg/Kg	08/13/19	5:36	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	5:36	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.367</b>		mg/Kg	08/13/19	5:36	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	5:36	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>97.3</b>		%	08/13/19	5:36	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>97.5</b>		%	08/13/19	5:36	LA	441549



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	8:09	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	8:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>54.1</b>		%	08/13/19	8:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>54.1</b>		%	08/13/19	8:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>62.4</b>		%	08/13/19	8:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>64.0</b>		%	08/13/19	8:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>59.6</b>		%	08/13/19	8:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>83.5</b>		%	08/13/19	8:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	9.17	x	mg/Kg	08/13/19	5:17	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	54.2		mg/Kg	08/13/19	5:17	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		64.1		%	08/13/19	5:17	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/13/19 12:01:00PM
<b>Prep Batch ID:</b> 1115683	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/13/19	13:29	JF	441585
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/13/19 12:01:00PM
<b>Prep Batch ID:</b> 1115683	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/13/19	13:29	JF	441585
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>101</b>		%	08/13/19	13:29	JF	441585
(S) Toluene-d8	SW8260B		55.2 - 133		<b>97.9</b>		%	08/13/19	13:29	JF	441585
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>88.0</b>		%	08/13/19	13:29	JF	441585



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP4@1.5	<b>Lab Sample ID:</b>	1908089-017A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 10:50		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/13/19	12:01:00PM
<b>Prep Batch ID:</b> 1115684	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/13/19	13:29	JF	441585
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>100.</b>		%	08/13/19	13:29	JF	441585



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	11:20	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:52	BJAY	441579



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19	5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>3.94</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>92.5</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>59.0</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>9.61</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>22.1</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>53.8</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>34.6</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	13:09	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>52.0</b>		mg/Kg	08/13/19	13:09	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>85.8</b>		mg/Kg	08/13/19	13:09	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	5:17	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>89.0</b>		%	08/13/19	5:17	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>89.0</b>		%	08/13/19	5:17	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	<b>0.0553</b>		mg/Kg	08/13/19	5:49	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	<b>0.0447</b>		mg/Kg	08/13/19	5:49	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0178</b>	J	mg/Kg	08/13/19	5:49	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00858</b>	J	mg/Kg	08/13/19	5:49	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0411</b>		mg/Kg	08/13/19	5:49	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	5:49	LA	441549
Chlordane	SW8081B	10	0.021	0.20	<b>0.517</b>		mg/Kg	08/13/19	5:49	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	5:49	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>88.3</b>		%	08/13/19	5:49	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>87.8</b>		%	08/13/19	5:49	LA	441549

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	2	0.00043	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Phenol	SW8270C	2	0.0033	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Bis(2-chloroethyl) ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2-Chlorophenol	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
1,3-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1,4-Dichlorobenzene	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1,2-Dichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	0.0023	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
N-nitroso-di-n-propylamine	SW8270C	2	0.0026	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Hexachloroethane	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Nitrobenzene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2-Nitrophenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2,4-Dimethylphenol	SW8270C	2	0.0024	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2,4-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
1,2,4-Trichlorobenzene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Naphthalene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
4-Chloroaniline	SW8270C	2	0.0010	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2,6-Dichlorophenol	SW8270C	2	0.00072	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Hexachloro-1,3-butadiene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
4-Chloro-3-methylphenol	SW8270C	2	0.0020	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2-Methylnaphthalene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1-Methylnaphthalene	SW8270C	2	0.00086	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2,4,6-Trichlorophenol	SW8270C	2	0.0013	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2,4,5-Trichlorophenol	SW8270C	2	0.0012	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2-Chloronaphthalene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1,4-Dinitrobenzene	SW8270C	2	0.0066	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Dimethyl phthalate	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1,3-Dinitrobenzene	SW8270C	2	0.0055	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Acenaphthylene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2,6-Dinitrotoluene	SW8270C	2	0.0058	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
1,2-Dinitrobenzene	SW8270C	2	0.0094	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Acenaphthene	SW8270C	2	0.00058	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2,4-Dinitrotoluene	SW8270C	2	0.0048	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	2	0.012	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	2	0.013	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Diethylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Fluorene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
4-Bromophenyl phenyl ether	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Hexachlorobenzene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Pentachlorophenol	SW8270C	2	0.010	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Phenanthrene	SW8270C	2	0.00072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Anthracene	SW8270C	2	0.0013	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Carbazole	SW8270C	2	0.0019	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Di-n-butylphthalate	SW8270C	2	0.0035	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Fluoranthene	SW8270C	2	0.000001	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benzyl butyl phthalate	SW8270C	2	0.0024	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benz[a]anthracene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Chrysene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	2	0.0072	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Di-n-octyl phthalate	SW8270C	2	0.0022	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benzo[b]fluoranthene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benzo[k]fluoranthene	SW8270C	2	0.0010	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benzo[a]pyrene	SW8270C	2	0.0012	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	2	0.0016	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Dibenz[a,h]anthracene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Benzo[g,h,i]perylene	SW8270C	2	0.0014	0.101	ND		mg/Kg	08/13/19	8:39	MT	441586
Pyridine	SW8270C	2	0.0036	0.202	ND		mg/Kg	08/13/19	8:39	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>48.3</b>		%	08/13/19	8:39	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>48.3</b>		%	08/13/19	8:39	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>50.8</b>		%	08/13/19	8:39	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>56.9</b>		%	08/13/19	8:39	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>66.7</b>		%	08/13/19	8:39	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>78.8</b>		%	08/13/19	8:39	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)

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## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>13.0</b>	x	mg/Kg	08/13/19	5:42	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>69.5</b>		mg/Kg	08/13/19	5:42	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>65.4</b>		%	08/13/19	5:42	MK	441566



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 1:32:00PM
<b>Prep Batch ID:</b> 1115672	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1-Dichloroethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	21:43	JF	441568
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 1:32:00PM
<b>Prep Batch ID:</b> 1115672	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	21:43	JF	441568
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>137</b>		%	08/12/19	21:43	JF	441568
(S) Toluene-d8	SW8260B		55.2 - 133		<b>104</b>		%	08/12/19	21:43	JF	441568
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>99.3</b>		%	08/12/19	21:43	JF	441568



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	SP-3	<b>Lab Sample ID:</b>	1908089-018A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	1:32:00PM
<b>Prep Batch ID:</b> 1115674	<b>Prep Analyst:</b>	JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	21:43	JF	441568
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>66.2</b>		%	08/12/19	21:43	JF	441568



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 7199MP	<b>Prep Batch Date/Time:</b> 8/12/19	3:30:00PM
<b>Prep Batch ID:</b> 1115682	<b>Prep Analyst:</b>	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Hexavalent Chromium	SW7199	1	0.00093	0.011	ND		mg/Kg	08/13/19	11:41	IZ	441582



### SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
 Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 8/13/19	5:30:00PM
<b>Prep Batch ID:</b> 1115662	<b>Prep Analyst:</b>	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	08/13/19	12:58	BJAY	441579





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 8/12/19 5:30:00PM
<b>Prep Batch ID:</b> 1115660	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Arsenic	SW6010B	1	0.15	1.30	<b>2.99</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Barium	SW6010B	1	0.055	5.00	<b>84.8</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Chromium	SW6010B	1	0.075	5.00	<b>72.8</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Cobalt	SW6010B	1	0.070	5.00	<b>8.60</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Copper	SW6010B	1	0.20	5.00	<b>17.0</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Lead	SW6010B	1	0.10	3.00	<b>96.5</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Nickel	SW6010B	1	0.50	5.00	<b>30.6</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	08/13/19	13:13	PPATEL	441594
Vanadium	SW6010B	1	0.10	5.00	<b>54.4</b>		mg/Kg	08/13/19	13:13	PPATEL	441594
Zinc	SW6010B	1	0.30	5.00	<b>51.5</b>		mg/Kg	08/13/19	13:13	PPATEL	441594



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 8/12/19	7:17:00PM
<b>Prep Batch ID:</b> 1115657	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1254	SW8082A	1	0.0020	0.10	<b>0.184</b>		mg/Kg	08/13/19	5:32	MK	441567
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	08/13/19	5:32	MK	441567
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>97.0</b>		%	08/13/19	5:32	MK	441567
DCBP (S)	SW8082A		48 - 135		<b>97.0</b>		%	08/13/19	5:32	MK	441567



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 8/12/19 7:15:00PM
<b>Prep Batch ID:</b> 1115656	<b>Prep Analyst:</b> SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	0.0013	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
gamma-BHC (Lindane)	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
beta-BHC	SW8081B	10	0.0032	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
delta-BHC	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Heptachlor	SW8081B	10	0.0011	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Aldrin	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Heptachlor Epoxide	SW8081B	10	0.00078	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
gamma-Chlordane	SW8081B	10	0.0016	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
alpha-Chlordane	SW8081B	10	0.0017	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
4,4'-DDE	SW8081B	10	0.0019	0.020	<b>0.0303</b>		mg/Kg	08/13/19	6:03	LA	441549
Endosulfan I	SW8081B	10	0.0018	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Dieldrin	SW8081B	10	0.0015	0.020	<b>0.00657</b>	J	mg/Kg	08/13/19	6:03	LA	441549
Endrin	SW8081B	10	0.0019	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
4,4'-DDD	SW8081B	10	0.0057	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Endosulfan II	SW8081B	10	0.0058	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
4,4'-DDT	SW8081B	10	0.0013	0.020	<b>0.0398</b>		mg/Kg	08/13/19	6:03	LA	441549
Endrin Aldehyde	SW8081B	10	0.0015	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Methoxychlor	SW8081B	10	0.0020	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Endosulfan Sulfate	SW8081B	10	0.0012	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Endrin Ketone	SW8081B	10	0.00094	0.020	ND		mg/Kg	08/13/19	6:03	LA	441549
Chlordane	SW8081B	10	0.021	0.20	ND		mg/Kg	08/13/19	6:03	LA	441549
Toxaphene	SW8081B	10	0.085	0.50	ND		mg/Kg	08/13/19	6:03	LA	441549
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>96.4</b>		%	08/13/19	6:03	LA	441549
DCBP (S)	SW8081B		38 - 135		<b>95.9</b>		%	08/13/19	6:03	LA	441549



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19 5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosodimethylamine	SW8270C	5	0.0011	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Phenol	SW8270C	5	0.0083	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Bis(2-chloroethyl) ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2-Chlorophenol	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
1,3-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1,4-Dichlorobenzene	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1,2-Dichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2-Methylphenol (o-Cresol)	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Bis(2-chloroisopropyl)ether	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	0.0058	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
N-nitroso-di-n-propylamine	SW8270C	5	0.0065	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Hexachloroethane	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Nitrobenzene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2-Nitrophenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2,4-Dimethylphenol	SW8270C	5	0.0061	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Bis(2-Chloroethoxy)methane	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2,4-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
1,2,4-Trichlorobenzene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Naphthalene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
4-Chloroaniline	SW8270C	5	0.0025	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2,6-Dichlorophenol	SW8270C	5	0.0018	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Hexachloro-1,3-butadiene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
4-Chloro-3-methylphenol	SW8270C	5	0.0050	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2-Methylnaphthalene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1-Methylnaphthalene	SW8270C	5	0.0022	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2,4,6-Trichlorophenol	SW8270C	5	0.0032	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2,4,5-Trichlorophenol	SW8270C	5	0.0029	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2-Chloronaphthalene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1,4-Dinitrobenzene	SW8270C	5	0.017	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Dimethyl phthalate	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1,3-Dinitrobenzene	SW8270C	5	0.014	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Acenaphthylene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2,6-Dinitrotoluene	SW8270C	5	0.014	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
1,2-Dinitrobenzene	SW8270C	5	0.023	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Acenaphthene	SW8270C	5	0.0014	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546-BNASIM	<b>Prep Batch Date/Time:</b> 8/12/19	5:31:00PM
<b>Prep Batch ID:</b> 1115651	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibenzofuran	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2,4-Dinitrotoluene	SW8270C	5	0.012	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
2,3,5,6-Tetrachlorophenol	SW8270C	5	0.030	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
2,3,4,6-Tetrachlorophenol	SW8270C	5	0.033	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Diethylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Fluorene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
4-Chlorophenyl phenyl ether	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
4-Bromophenyl phenyl ether	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Hexachlorobenzene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Pentachlorophenol	SW8270C	5	0.026	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Phenanthrene	SW8270C	5	0.0018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Anthracene	SW8270C	5	0.0032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Carbazole	SW8270C	5	0.0047	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Di-n-butylphthalate	SW8270C	5	0.0086	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Fluoranthene	SW8270C	5	0.0000032	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benzyl butyl phthalate	SW8270C	5	0.0061	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benz[a]anthracene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Chrysene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Bis(2-Ethylhexyl)phthalate	SW8270C	5	0.018	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Di-n-octyl phthalate	SW8270C	5	0.0054	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benzo[b]fluoranthene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benzo[k]fluoranthene	SW8270C	5	0.0025	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benzo[a]pyrene	SW8270C	5	0.0029	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.0040	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Dibenz[a,h]anthracene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Benzo[g,h,i]perylene	SW8270C	5	0.0036	0.252	ND		mg/Kg	08/13/19	9:09	MT	441586
Pyridine	SW8270C	5	0.0090	0.504	ND		mg/Kg	08/13/19	9:09	MT	441586
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 125		<b>50.4</b>		%	08/13/19	9:09	MT	441586
Phenol-d6 (S)	SW8270C		25 - 125		<b>50.4</b>		%	08/13/19	9:09	MT	441586
Nitrobenzene-d5 (S)	SW8270C		35 - 125		<b>57.3</b>		%	08/13/19	9:09	MT	441586
2-Fluorobiphenyl (S)	SW8270C		35 - 125		<b>58.0</b>		%	08/13/19	9:09	MT	441586
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		<b>53.7</b>		%	08/13/19	9:09	MT	441586
p-Terphenyl-d14 (S)	SW8270C		35 - 125		<b>79.3</b>		%	08/13/19	9:09	MT	441586



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPHSG	<b>Prep Batch Date/Time:</b> 8/12/19	7:14:00PM
<b>Prep Batch ID:</b> 1115655	<b>Prep Analyst:</b> SNARASIMHAN	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	<b>9.04</b>	x	mg/Kg	08/13/19	6:07	MK	441566
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	<b>48.6</b>		mg/Kg	08/13/19	6:07	MK	441566
			Acceptance Limits								
Pentacosane (S)	SW8015B		40 - 129		<b>49.9</b>		%	08/13/19	6:07	MK	441566

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 1:32:00PM
<b>Prep Batch ID:</b> 1115672	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	08/12/19	22:12	JF	441568
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Tetrachloroethylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568





## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 8/12/19 1:32:00PM
<b>Prep Batch ID:</b> 1115672	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
2-Butanone	SW8260B	1	0.0023	0.010	ND		mg/Kg	08/12/19	22:12	JF	441568
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>139</b>		%	08/12/19	22:12	JF	441568
(S) Toluene-d8	SW8260B		55.2 - 133		<b>103</b>		%	08/12/19	22:12	JF	441568
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>99.0</b>		%	08/12/19	22:12	JF	441568



## SAMPLE RESULTS

**Report prepared for:** Brooke Spruit  
Engeo (San Ramon)

**Date/Time Received:** 08/12/19, 12:50 pm  
**Date Reported:** 08/13/19

<b>Client Sample ID:</b>	S-9	<b>Lab Sample ID:</b>	1908089-019A
<b>Project Name/Location:</b>	400 Paul Avenue	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	9318.010.002		
<b>Date/Time Sampled:</b>	08/12/19 / 11:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 8/12/19	1:32:00PM
<b>Prep Batch ID:</b> 1115674	<b>Prep Analyst:</b>	JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	0.043	0.10	ND		mg/Kg	08/12/19	22:12	JF	441568
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>69.8</b>		%	08/12/19	22:12	JF	441568



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546-BNASIM	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115651
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441586
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
N-Nitrosodimethylamine	0.22	100	ND		
Phenol	1.7	100	ND		
Bis(2-chloroethyl) ether	0.50	50	ND		
2-Chlorophenol	1.2	100	ND		
1,3-Dichlorobenzene	0.50	50	ND		
1,4-Dichlorobenzene	1.1	50	ND		
1,2-Dichlorobenzene	0.50	50	ND		
2-Methylphenol (o-Cresol)	1.0	100	ND		
Bis(2-chloroisopropyl)ether	0.50	50	ND		
3-/4-Methylphenol (p-/m-Cresol)	1.2	100	ND		
N-nitroso-di-n-propylamine	1.3	100	ND		
Hexachloroethane	0.29	50	ND		
Nitrobenzene	0.65	50	ND		
2-Nitrophenol	1.0	100	ND		
2,4-Dimethylphenol	1.2	100	ND		
Bis(2-Chloroethoxy)methane	3.6	50	ND		
2,4-Dichlorophenol	0.36	100	ND		
1,2,4-Trichlorobenzene	0.50	50	ND		
Naphthalene	0.29	50	ND		
4-Chloroaniline	0.50	100	ND		
2,6-Dichlorophenol	0.36	100	ND		
Hexachloro-1,3-butadiene	0.36	50	ND		
4-Chloro-3-methylphenol	1.0	100	ND		
2-Methylnaphthalene	0.50	50	ND		
1-Methylnaphthalene	0.43	50	ND		
2,4,6-Trichlorophenol	0.65	100	ND		
2,4,5-Trichlorophenol	0.58	100	ND		
2-Chloronaphthalene	0.65	50	ND		
1,4-Dinitrobenzene	3.3	100	ND		
Dimethyl phthalate	0.65	50	ND		
1,3-Dinitrobenzene	2.7	100	ND		
Acenaphthylene	0.29	50	ND		
2,6-Dinitrotoluene	2.9	50	ND		
1,2-Dinitrobenzene	4.7	100	ND		
Acenaphthene	0.29	50	ND		
Dibenzofuran	0.58	50	ND		
2,4-Dinitrotoluene	2.4	50	ND		
2,3,5,6-Tetrachlorophenol	6.0	100	ND		
2,3,4,6-Tetrachlorophenol	6.6	100	ND		
Diethylphthalate	1.7	50	ND		
Fluorene	0.50	50	ND		



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546-BNASIM	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115651
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441586
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
4-Chlorophenyl phenyl ether	0.65	50	ND		
4-Bromophenyl phenyl ether	0.36	50	ND		
Hexachlorobenzene	0.36	50	ND		
Pentachlorophenol	5.2	100	ND		
Phenanthrene	0.36	50	ND		
Anthracene	0.65	50	ND		
Carbazole	0.94	100	ND		
Di-n-butylphthalate	1.7	50	4.28	J	
Fluoranthene	0.65	50	ND		
Pyrene	0.58	50	ND		
Benzyl butyl phthalate	1.2	50	1.63	J	
Benz[a]anthracene	0.58	50	0.906	J	
Chrysene	0.50	50	ND		
Bis(2-Ethylhexyl)phthalate	3.6	50	11.1	J	
Di-n-octyl phthalate	1.1	50	ND		
Benzo[b]fluoranthene	0.58	50	ND		
Benzo[k]fluoranthene	0.50	50	ND		
Benzo[a]pyrene	0.58	50	ND		
Indeno[1,2,3-cd]pyrene	0.79	50	ND		
Dibenz[a,h]anthracene	0.72	50	ND		
Benzo[g,h,i]perylene	0.72	50	ND		
Pyridine	1.8	100	ND		
2-Fluorophenol (S)			63.5		
Phenol-d6 (S)			63.7		
Nitrobenzene-d5 (S)			70.0		
2-Fluorobiphenyl (S)			64.7		
2,4,6-Tribromophenol (S)			72.9		
p-Terphenyl-d14 (S)			82.5		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115655
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441566
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Diesel (SG)	0.85	2.0	ND		
TPH as Motor Oil (SG)	3.2	10	ND		
Pentacosane (S)			88.4		



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115656
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441548
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
alpha-BHC	0.13	2.0	ND		
gamma-BHC (Lindane)	0.16	2.0	ND		
beta-BHC	0.32	2.0	ND		
delta-BHC	0.16	2.0	ND		
Heptachlor	0.11	2.0	ND		
Aldrin	0.20	2.0	ND		
Heptachlor Epoxide	0.078	2.0	ND		
gamma-Chlordane	0.16	2.0	ND		
alpha-Chlordane	0.17	2.0	ND		
4,4'-DDE	0.19	2.0	ND		
Endosulfan I	0.18	2.0	ND		
Dieldrin	0.15	2.0	ND		
Endrin	0.19	2.0	ND		
4,4'-DDD	0.57	2.0	ND		
Endosulfan II	0.58	2.0	ND		
4,4'-DDT	0.13	2.0	ND		
Endrin Aldehyde	0.15	2.0	ND		
Methoxychlor	0.20	2.0	ND		
Endosulfan Sulfate	0.12	2.0	ND		
Endrin Ketone	0.094	2.0	ND		
Chlordane	2.1	20	ND		
Toxaphene	8.5	50	ND		
TCMX (S)			79.0		
DCBP (S)			80.8		



### MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115657
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441567
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			107	
DCBP (S)			105	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115660
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441594
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	0.055	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	0.60	
Lead	0.10	1.30	ND	
Molybdenum	0.050	5.00	0.10	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	0.23	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	ND	



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115662
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441579
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Mercury	0.083	0.50	ND		



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115668
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441552
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	





### MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115668
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441552
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	1.5	
Naphthalene	1.7	10	2.1	
1,2,3-Trichlorobenzene	1.7	10	1.7	
2-Butanone	2.3	10	3.9	
4-Methyl-2-Pentanone	2.0	10	ND	
(S) Dibromofluoromethane			100	
(S) Toluene-d8			97.4	
(S) 4-Bromofluorobenzene			86.0	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115669
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441552
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			113	



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115672
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441568
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	15		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethylene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		



### MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115672
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441568
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	2.7	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	2.9	
4-Methyl-2-Pentanone	2.0	10	4.9	
(S) Dibromofluoromethane			120	
(S) Toluene-d8			107	
(S) 4-Bromofluorobenzene			98.0	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115674
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441568
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	ND	
(S) 4-Bromofluorobenzene			86.9	



### MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7199MP	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115682
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7199	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441582
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Hexavalent Chromium	0.83	10	ND		



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115683
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441585
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.0012	0.010	ND		
Chloromethane	0.0018	0.010	ND		
Vinyl Chloride	0.0020	0.010	ND		
Bromomethane	0.0027	0.010	ND		
Chloroethane	0.0030	0.010	ND		
Trichlorofluoromethane	0.0021	0.010	ND		
1,1-Dichloroethene	0.0020	0.010	ND		
Freon 113	0.0019	0.010	ND		
Methylene Chloride	0.0071	0.010	ND		
trans-1,2-Dichloroethene	0.0021	0.010	ND		
MTBE	0.0023	0.010	ND		
TBA	0.012	0.050	ND		
Diisopropyl ether	0.0023	0.010	ND		
1,1-Dichloroethane	0.0022	0.010	ND		
Ethyl tert-Butyl ether	0.0023	0.010	ND		
cis-1,2-Dichloroethene	0.0022	0.010	ND		
2,2-Dichloropropane	0.0019	0.010	ND		
Bromochloromethane	0.0023	0.010	ND		
Chloroform	0.0024	0.010	ND		
Carbon Tetrachloride	0.0021	0.010	ND		
1,1,1-Trichloroethane	0.0021	0.010	ND		
1,1-Dichloropropene	0.0020	0.010	ND		
Benzene	0.0022	0.010	ND		
TAME	0.0023	0.010	ND		
1,2-Dichloroethane	0.0023	0.010	ND		
Trichloroethylene	0.0018	0.010	ND		
Dibromomethane	0.0018	0.010	ND		
1,2-Dichloropropane	0.0019	0.010	ND		
Bromodichloromethane	0.0020	0.010	ND		
cis-1,3-Dichloropropene	0.0016	0.010	ND		
Toluene	0.0018	0.010	ND		
Tetrachloroethylene	0.0017	0.010	ND		
trans-1,3-Dichloropropene	0.0016	0.010	ND		
1,1,2-Trichloroethane	0.0018	0.010	ND		
Dibromochloromethane	0.0019	0.010	ND		
1,3-Dichloropropane	0.0018	0.010	ND		
1,2-Dibromoethane	0.0018	0.010	ND		
Chlorobenzene	0.0018	0.010	ND		
Ethylbenzene	0.0017	0.010	ND		
1,1,1,2-Tetrachloroethane	0.0019	0.010	ND		
m,p-Xylene	0.0032	0.010	ND		



## MB Summary Report

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115683
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441585
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	0.0017	0.010	ND	
Styrene	0.0016	0.010	ND	
Bromoform	0.0017	0.010	ND	
Isopropyl Benzene	0.0016	0.010	ND	
n-Propylbenzene	0.0016	0.010	ND	
Bromobenzene	0.0018	0.010	ND	
1,1,2,2-Tetrachloroethane	0.0019	0.010	ND	
2-Chlorotoluene	0.0018	0.010	ND	
1,3,5-Trimethylbenzene	0.0016	0.010	ND	
1,2,3-Trichloropropane	0.0019	0.010	ND	
4-Chlorotoluene	0.0016	0.010	ND	
tert-Butylbenzene	0.0016	0.010	ND	
1,2,4-Trimethylbenzene	0.0014	0.010	ND	
sec-Butyl Benzene	0.0016	0.010	ND	
p-Isopropyltoluene	0.0015	0.010	ND	
1,3-Dichlorobenzene	0.0017	0.010	ND	
1,4-Dichlorobenzene	0.0017	0.010	ND	
n-Butylbenzene	0.0015	0.010	ND	
1,2-Dichlorobenzene	0.0018	0.010	ND	
1,2-Dibromo-3-Chloropropane	0.0018	0.010	ND	
Hexachlorobutadiene	0.0014	0.010	0.0017	
1,2,4-Trichlorobenzene	0.0015	0.010	0.0016	
Naphthalene	0.0017	0.010	0.0024	
1,2,3-Trichlorobenzene	0.0017	0.010	0.0023	
2-Butanone	0.0023	0.010	0.0037	
4-Methyl-2-Pentanone	0.0020	0.010	ND	
(S) Dibromofluoromethane			102	
(S) Toluene-d8			96.5	
(S) 4-Bromofluorobenzene			89.0	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115684
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441585
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	0.043	0.10	ND	
(S) 4-Bromofluorobenzene			114	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546-BNASIM	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115651
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441586
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	18	100	ND	800	71.7	68.7	4.27	40 - 100	30	
2-Chlorophenol	1.2	100	ND	800	70.4	67.8	3.62	45 - 105	30	
1,4-Dichlorobenzene	1.1	50	ND	400	67.4	65.4	3.39	35 - 105	30	
N-nitroso-di-n-propylamine	1.3	100	ND	800	83.2	78.2	6.19	40 - 115	30	
1,2,4-Trichlorobenzene	0.50	50	ND	400	67.1	66.3	1.13	45 - 110	30	
4-Chloro-3-methylphenol	1.0	100	ND	800	72.0	69.9	3.00	45 - 110	30	
Acenaphthene	0.29	50	ND	400	67.7	64.5	4.91	45 - 110	30	
2,4-Dinitrotoluene	2.4	50	ND	400	68.0	65.0	4.51	50 - 115	30	
Pentachlorophenol	5.2	100	ND	800	79.0	79.0	0.000	25 - 120	30	
Pyrene	0.58	50	ND	400	83.1	80.0	3.68	45 - 125	30	
2-Fluorophenol (S)				11100	71.2	66.9		25 - 125		
Phenol-d6 (S)				11100	72.4	67.7		25 - 125		
Nitrobenzene-d5 (S)				5560	76.5	72.1		35 - 125		
2-Fluorobiphenyl (S)				5560	69.2	65.9		35 - 125		
2,4,6-Tribromophenol (S)				11100	77.8	75.5		25 - 125		
p-Terphenyl-d14 (S)				5560	86.2	82.8		35 - 125		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115655
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441566
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.85	2.0	ND	25.0	106	107	0.375	40 - 110	30	
Pentacosane (S)			ND	400	88.8	90.1		40 - 129		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115656
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441548
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	85.9	85.8	0.291	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	89.6	90.4	0.556	40 - 130	30	
Aldrin	0.20	2.0	ND	40	80.8	80.3	0.621	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	79.7	79.4	0.314	60 - 130	30	
Endrin	0.19	2.0	ND	40	89.4	90.9	1.66	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	83.4	83.5	0.000	45 - 140	30	
TCMX (S)				100	81.6	81.3		48 - 125		
DCBP (S)				100	83.2	83.4		38 - 135		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115657
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441567
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	0.053	0.10	ND	0.60	118	114	2.88	25 - 145	30	
Aroclor1260	0.036	0.10	ND	0.60	97.7	97.3	0.342	30 - 145	30	
TCMX (S)				0.10	102	98.0		48 - 125		
DCBP (S)				0.10	112	106		48 - 135		





## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115660
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441594
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.055	50	103	103	0.194	80 - 120	30	
Arsenic	0.15	1.30	ND	50	104	104	0.193	80 - 120	30	
Barium	0.055	5.00	ND	50	108	108	0.370	80 - 120	30	
Beryllium	0.055	5.00	ND	50	104	104	0.000	80 - 120	30	
Cadmium	0.10	5.00	ND	50	104	103	0.193	80 - 120	30	
Chromium	0.075	5.00	ND	50	108	108	0.556	80 - 120	30	
Cobalt	0.070	5.00	ND	50	106	106	0.755	80 - 120	30	
Copper	0.20	5.00	0.60	50	109	109	0.000	80 - 120	30	
Lead	0.10	3.00	ND	50	106	105	0.568	80 - 120	30	
Molybdenum	0.050	5.00	0.10	50	110	111	0.543	80 - 120	30	
Nickel	0.50	5.00	ND	50	104	104	0.385	80 - 120	30	
Selenium	0.22	5.00	0.23	50	101	101	0.396	80 - 120	30	
Silver	0.15	5.00	ND	50	99.6	99.4	0.201	80 - 120	30	
Thallium	0.20	5.00	ND	50	102	102	0.000	80 - 120	30	
Vanadium	0.10	5.00	ND	50	110	109	0.183	80 - 120	30	
Zinc	0.30	5.00	ND	50	103	101	1.37	80 - 120	30	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115662
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441579
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	102	101	0.000	80 - 120	30	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115668
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441552
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	100	103	2.76	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	105	107	1.88	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	105	107	1.32	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	98.8	104	5.32	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	99.9	105	5.08	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	103	109		59.8 - 148		
(S) Toluene-d8				50.0	98.0	100		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	86.7	91.7		55.8 - 141		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115669
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441552
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	108	107	0.930	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	109	112		43.9 - 127		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115672
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/12/2019	<b>Analytical Batch:</b>	441568
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	110	111	1.63	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	126	128	1.26	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	94.7	94.3	0.423	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	107	109	1.85	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	99.6	103	2.97	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	115	115		59.8 - 148		
(S) Toluene-d8				50.0	101	105		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	95.3	97.4		55.8 - 141		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115674
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441568
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	90.6	93.7	3.36	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.4	101		43.9 - 127		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7199MP	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115682
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7199	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441582
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Hexavalent Chromium	0.83	10	ND	100	105	105	0.000	80 - 120	20	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115683
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441585
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.0020	0.010	ND	0.0500	101	96.0	4.88	53.7 - 139	30	
Benzene	0.0022	0.010	ND	0.0500	107	101	6.17	66.5 - 135	30	
Trichloroethylene	0.0018	0.010	ND	0.0500	104	101	3.32	57.5 - 150	30	
Toluene	0.0018	0.010	ND	0.0500	107	103	3.63	56.8 - 134	30	
Chlorobenzene	0.0018	0.010	ND	0.0500	105	102	2.32	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	106	101		59.8 - 148		
(S) Toluene-d8				50.0	104	100		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	93.4	87.5		55.8 - 141		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115684
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441585
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	0.043	0.10	ND	1	111	106	4.61	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	113	109		43.9 - 127		



## MS/MSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115655
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441566
<b>Spiked Sample:</b>	1908089-009A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.850	2.00	4.71	25.0	47.9	37.8	16.2	40 - 110	30	S
Pentacosane (S)				200	60.5	50.1		40 - 129		

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115657
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441567
<b>Spiked Sample:</b>	1908089-009A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	0.0530	0.100	ND	0.60	105	71.8	37.1	25 - 145	30	R
Aroclor1260	0.0360	0.100	ND	0.60	90.5	62.0	37.2	30 - 145	30	R
TCMX (S)				0.10	89.0	60.0		48 - 125		
DCBP (S)				0.10	92.0	63.0		48 - 135		



## MS/MSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115660
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441594
<b>Spiked Sample:</b>	1908089-001A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	77.1	77.8	0.973	30.7 - 130	30	
Arsenic	0.15	1.30	3.06	50	87.8	90.3	2.52	71.0 - 121	30	
Barium	0.055	5.00	114	50	58.9	104	14.9	70.2 - 130	30	S
Beryllium	0.055	5.00	ND	50	91.8	93.8	2.13	73.3 - 115	30	
Cadmium	0.10	5.00	ND	50	95.6	95.9	0.209	80.0 - 110	30	
Chromium	0.075	5.00	64.9	50	117	79.2	15.8	76.0 - 116	30	S
Cobalt	0.070	5.00	11.1	50	82.7	85.2	2.26	57.4 - 122	30	
Copper	0.20	5.00	31.0	50	89.7	109	12.0	74.8 - 119	30	
Lead	0.10	3.00	68.0	50	58.2	88.0	14.3	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	93.3	94.5	1.28	62.9 - 123	30	
Nickel	0.50	5.00	37.1	50	95.5	91.7	2.26	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	88.0	86.9	1.24	62.0 - 111	30	
Silver	0.15	5.00	ND	50	98.0	99.3	1.27	81.1 - 109	30	
Thallium	0.20	5.00	ND	50	86.0	88.5	3.87	39.2 - 125	30	
Vanadium	0.10	5.00	80.4	50	56.8	52.3	1.85	65.8 - 122	30	S
Zinc	0.30	5.00	75.5	50	86.6	103	6.50	59.9 - 122	30	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	08/13/19	<b>Prep Batch:</b>	1115662
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	8/13/2019	<b>Analytical Batch:</b>	441579
<b>Spiked Sample:</b>	1908089-001A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	91.3	96.1	4.80	75 - 125	30	

<b>Work Order:</b>	1908089	<b>Prep Method:</b>	7199MP	<b>Prep Date:</b>	08/12/19	<b>Prep Batch:</b>	1115682
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7199	<b>Analyzed Date:</b>	13-Aug-2019	<b>Analytical Batch:</b>	441582
<b>Spiked Sample:</b>	1908089-001A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Hexavalent Chromium	0.93	11	50.2	100	121	121	0.000	75 - 125	20	



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
<b>Duplicate</b> - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ)</b> - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
<b>Tentatively Identified Compound (TIC)</b> - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m3</b> , <b>mg/m3</b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> (concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>ND</b> - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p><b>NR</b> - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p><b>X</b> -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>
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## Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 8/12/2019 12:50:00PM

Project Name: 400 Paul Avenue

Received By: Helena Ueng

Work Order No.: 1908089

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

### Chain of Custody (COC) Information

Chain of custody present? Yes  
Chain of custody signed when relinquished and received? Yes  
Chain of custody agrees with sample labels? Yes  
Custody seals intact on sample bottles? Not Present

### Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present  
Shipping Container/Cooler In Good Condition? Yes  
Samples in proper container/bottle? Yes  
Samples containers intact? Yes  
Sufficient sample volume for indicated test? Yes

### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  
Container/Temp Blank temperature in compliance? Temperature: 9.0 °C  
Water-VOA vials have zero headspace? No VOA vials submitted  
Water-pH acceptable upon receipt? N/A  
pH Checked by: N/A pH Adjusted by: N/A

### Comments:

Sample chilling begun



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-001A	SP-1	08/12/19 8:25	Soil	02/08/20			SUB_Asb CARB435 B PCBs_S_8082A Cr6_S_7199Mod Met_S_6010B CAM17 Hg_S_7471B Pest_S_8081OCP VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full EN_VOC_8260B STLC Metals Extract	Yes
1908089-002A	SP-5	08/12/19 8:30	Soil	02/08/20			Hold Samples	
1908089-003A	SP-2	08/12/19 8:35	Soil	02/08/20			VOC_S_8260B Met_S_6010B CAM17 PCBs_S_8082A Cr6_S_7199Mod Hg_S_7471B Pest_S_8081OCP TPHDOSG_S_8015B SVO_BNASIM Full STLC Metals Extract SUB_Asb CARB435 B	Yes
1908089-004A	SP-6	08/12/19 8:50	Soil	02/08/20			VOC_S_GRO	
1908089-005A	S-4@1.5	08/12/19 9:36	Soil	02/08/20			Hold Samples VOC_S_8260B VOC_S_GRO STLC Metals Extract SUB_Asb CARB435 B	Yes





## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-006A	S-8@1.5	08/12/19 9:42	Soil	02/08/20			SVO_BNASIM Full TPHDOSG_S_8015B Pest_S_8081OCP Hg_S_7471B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	
							VOC_S_8260B VOC_S_GRO STLC Metals Extract SUB_Asb CARB435 B	Yes
1908089-007A	S-7@0 ft	08/12/19 9:48	Soil	02/08/20			SVO_BNASIM Full TPHDOSG_S_8015B Pest_S_8081OCP Hg_S_7471B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	
							VOC_S_GRO VOC_S_8260B STLC Metals Extract SUB_Asb CARB435 B	Yes
1908089-008A	S-7@2 ft	08/12/19 9:50	Soil	02/08/20			SVO_BNASIM Full Pest_S_8081OCP Hg_S_7471B TPHDOSG_S_8015B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	
							VOC_S_GRO VOC_S_8260B STLC Metals Extract	



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-009A	S-6@1.5	08/12/19 9:57	Soil	02/08/20			SUB_Asb CARB435 B SVO_BNASIM Full Pest_S_8081OCP Hg_S_7471B TPHDOSG_S_8015B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-010A	S-5@0 ft	08/12/19 10:10	Soil	02/08/20			VOC_S_GRO VOC_S_8260B STLC Metals Extract SUB_Asb CARB435 B SVO_BNASIM Full Pest_S_8081OCP Hg_S_7471B TPHDOSG_S_8015B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-011A	S-5@2 ft	08/12/19 10:12	Soil	02/08/20			VOC_S_GRO VOC_S_8260B SUB_Asb CARB435 B STLC Metals Extract SVO_BNASIM Full Pest_S_8081OCP Hg_S_7471B TPHDOSG_S_8015B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17  STLC Metals Extract	Yes



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-012A	S1@1.5 ft	08/12/19 10:19	Soil	02/08/20			SUB_Asb CARB435 B VOC_S_GRO VOC_S_8260B SVO_BNASIM Full TPHDOSG_S_8015B Pest_S_8081OCP Hg_S_7471B Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-013A	S2@0 ft	08/12/19 10:24	Soil	02/08/20			VOC_S_GRO VOC_S_8260B SUB_Asb CARB435 B STLC Metals Extract SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-013A	S2@0 ft	08/12/19 10:24	Soil	02/08/20			VOC_S_GRO VOC_S_8260B SUB_Asb CARB435 B STLC Metals Extract SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-014A	S2@2 ft	08/12/19 10:26	Soil	02/08/20			VOC_S_GRO VOC_S_8260B SUB_Asb CARB435 B STLC Metals Extract SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-015A	S3@0	08/12/19 10:35	Soil	02/08/20			VOC_S_GRO VOC_S_8260B SUB_Asb CARB435 B STLC Metals Extract SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-016A	S3@2	08/12/19 10:40	Soil	02/08/20			VOC_S_GRO VOC_S_8260B STLC Metals Extract SUB_Asb CARB435 B SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod	Yes



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1908089-017A	SP4@1.5	08/12/19 10:50	Soil	02/08/20			PCBs_S_8082A Met_S_6010B CAM17	
							STLC Metals Extract SUB_Asb CARB435 B SVO_BNASIM Full TPHDOSG_S_8015B VOC_S_8260B VOC_S_GRO Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-018A	SP-3	08/12/19 11:10	Soil	02/08/20			VOC_S_8260B VOC_S_GRO STLC Metals Extract SUB_Asb CARB435 B SVO_BNASIM Full TPHDOSG_S_8015B Hg_S_7471B Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	Yes
1908089-019A	S-9	08/12/19 11:15	Soil	02/08/20			VOC_S_8260B VOC_S_GRO STLC Metals Extract SUB_Asb CARB435 B TPHDOSG_S_8015B Hg_S_7471B SVO_BNASIM Full	Yes



### Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 400 Paul Avenue  
**Project # :** 9318.010.002  
**Report Due Date:** 8/13/2019

**QC Level:** II  
**TAT Requested:** 1 Day Rush:1  
**Date Received:** 8/12/2019  
**Time Received:** 12:50 pm

**Comments:**

**Work Order # :** 1908089

---

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
							Pest_S_8081OCP Cr6_S_7199Mod PCBs_S_8082A Met_S_6010B CAM17	





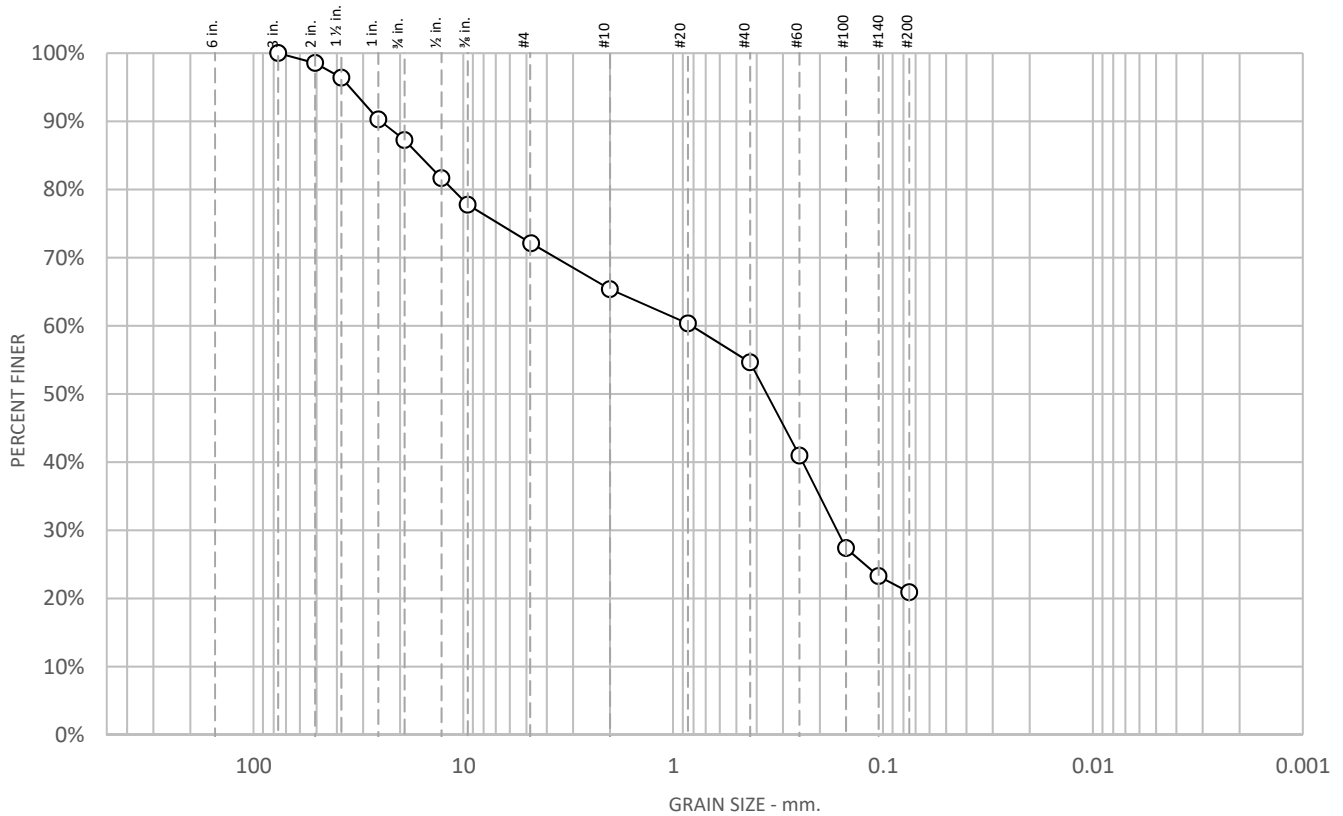


**APPENDIX B**

**Laboratory Test Results  
ENGEO**

DRAFT

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
	12.8	15.1	6.7	10.7	33.7	20.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3 in.	100.0		
2 in.	98.5		
1-1/2 in.	96.4		
1 in.	90.3		
3/4 in.	87.2		
1/2 in.	81.6		
3/8 in.	77.8		
#4	72.1		
#10	65.4		
#20	60.3		
#40	54.6		
#60	41.0		
#100	27.4		
#140	23.3		
#200	20.9		

**Soil Description**  
Dark brown clayey SAND with gravel

**Atterberg Limits**  
PL = 17      LL = 30      PI = 13

**Coefficients**  
D<sub>90</sub> = 24.7598 mm    D<sub>85</sub> = 16.1958 mm    D<sub>60</sub> = 0.8167 mm  
D<sub>50</sub> = 0.3579 mm    D<sub>30</sub> = 0.1655 mm    D<sub>15</sub> =  
D<sub>10</sub> =                    C<sub>u</sub> =                    C<sub>c</sub> =

**Classification**  
USCS = SC

**Remarks**  
PI: ASTM D4318, Wet Method      ASTM D6913, Method B  
USCS: ASTM D2487

\* (no specification provided)

Sample Number: TP-1 @ 6.5

Client: 400 Paul Avenue (SF) Owner, LLC

Project Number: 9318.010.002

Project: 400 Paul Avenue

Date: 8/13/2019

Project location: San Francisco, CA

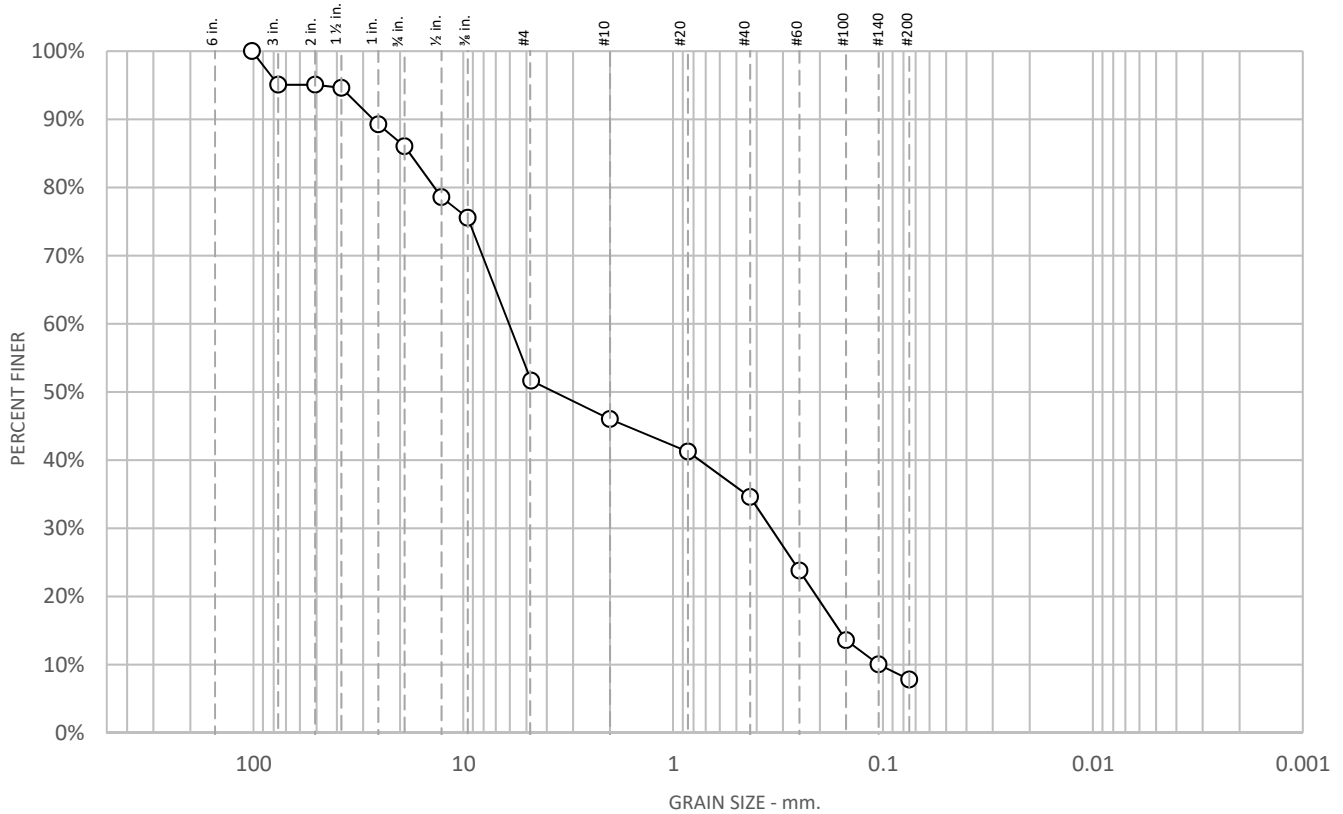


Tested By: W. Miller

Checked By: M. Quasem

Test Location: 3420 Fostoria Way, Suite E, Danville, CA 94526

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
4.9	9.1	34.3	5.7	11.4	26.8	0.0	7.8

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4 in.	100.0		
3 in.	95.1		
2 in.	95.1		
1-½ in.	94.6		
1 in.	89.3		
¾ in.	86.0		
½ in.	78.6		
¾ in.	75.5		
#4	51.7		
#10	46.0		
#20	41.2		
#40	34.6		
#60	23.8		
#100	13.6		
#140	10.0		
#200	7.8		

**Soil Description**  
Dark brown poorly graded GRAVEL with clay and sand

**Atterberg Limits**  
PL = 15      LL = 33      PI = 18

**Coefficients**  
D<sub>90</sub> = 26.8491 mm    D<sub>85</sub> = 17.9975 mm    D<sub>60</sub> = 6.0562 mm  
D<sub>50</sub> = 3.6829 mm    D<sub>30</sub> = 0.3416 mm    D<sub>15</sub> = 0.1610 mm  
D<sub>10</sub> = 0.1045 mm    C<sub>u</sub> = 57.98      C<sub>c</sub> = 0.18

**Classification**  
USCS = GP-GC

**Remarks**  
Silt/clay division of 0.002mm used      ASTM D6913, Method B  
PI: ASTM D4318, Wet Method  
USCS: ASTM D2487

\* (no specification provided)

Sample Number: TP-2 @ 6

Client: 400 Paul Avenue (SF) Owner, LLC

Project Number: 9318.010.002

Project: 400 Paul Avenue

Date: 8/13/2019

Project location: San Francisco, CA

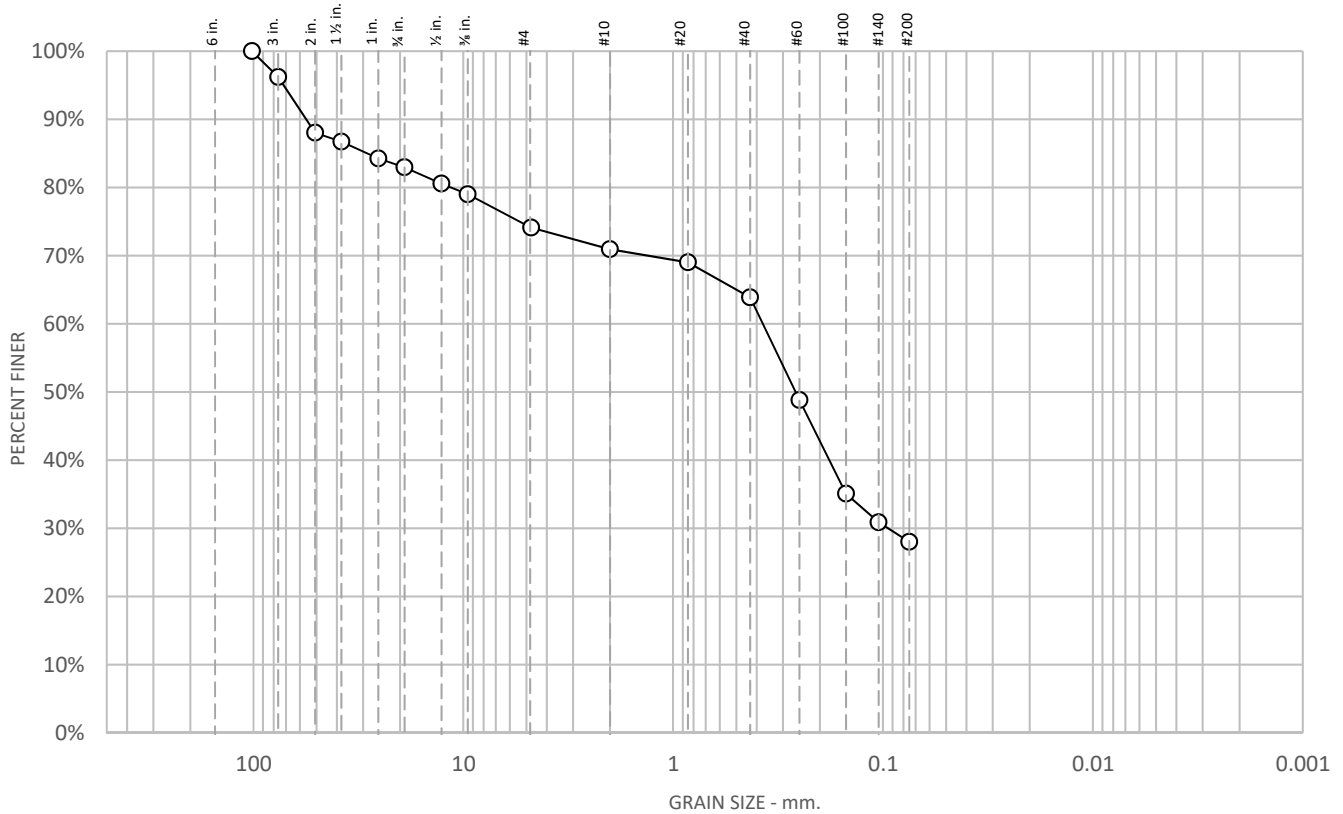


Tested By: W. Miller

Checked By: M. Quasem

Test Location: 3420 Fostoria Way, Suite E, Danville, CA 94526

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
3.8	13.3	8.8	3.2	7.1	35.9	28.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4 in.	100.0		
3 in.	96.2		
2 in.	88.0		
1-½ in.	86.7		
1 in.	84.3		
¾ in.	83.0		
½ in.	80.6		
⅜ in.	79.0		
#4	74.1		
#10	70.9		
#20	69.0		
#40	63.9		
#60	48.8		
#100	35.1		
#140	30.9		
#200	28.0		

**Soil Description**

Dark brown clayey SAND with gravel

**Atterberg Limits**

PL = 14                      LL = 32                      PI = 18

**Coefficients**

D<sub>90</sub> = 56.0098 mm    D<sub>85</sub> = 28.6667 mm    D<sub>60</sub> = 0.3739 mm  
D<sub>50</sub> = 0.2608 mm    D<sub>30</sub> = 0.0947 mm    D<sub>15</sub> =  
D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS = SC

**Remarks**

PI: ASTM D4318, Wet Method                      ASTM D6913, Method B  
USCS: ASTM D2487

\* (no specification provided)

**Sample Number:** TP-3 @ 2

**Client:** 400 Paul Avenue (SF) Owner, LLC

**Project Number:** 9318.010.002

**Project:** 400 Paul Avenue

**Date:** 8/13/2019

**Project location:** San Francisco, CA

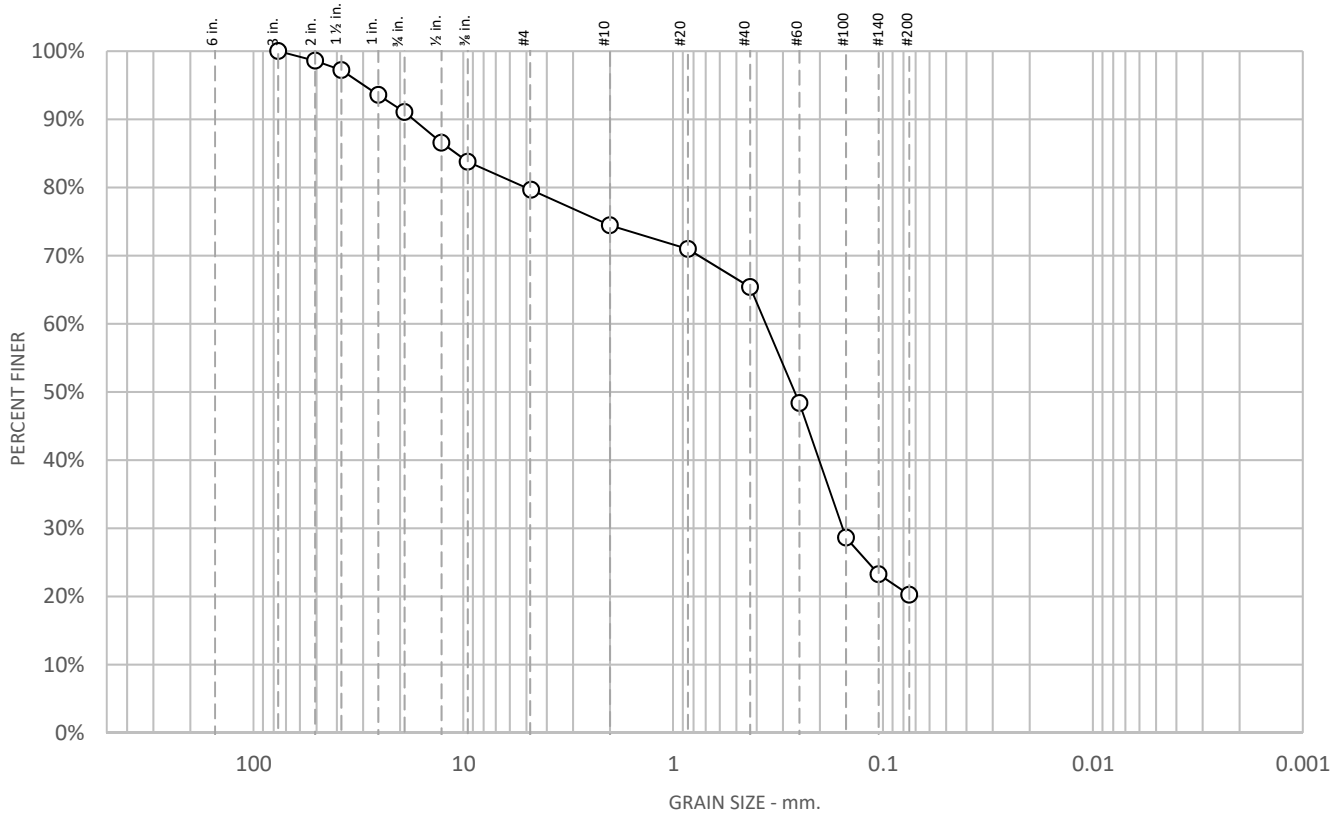


**Tested By:** W. Miller

**Checked By:** M. Quasem

**Test Location:** 3420 Fostoria Way, Suite E, Danville, CA 94526

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
	9.0	11.4	5.2	9.1	45.1	20.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3 in.	100.0		
2 in.	98.6		
1-1/2 in.	97.2		
1 in.	93.6		
3/4 in.	91.1		
1/2 in.	86.6		
3/8 in.	83.8		
#4	79.6		
#10	74.4		
#20	71.0		
#40	65.4		
#60	48.4		
#100	28.6		
#140	23.3		
#200	20.2		

**Soil Description**

Dark brown clayey SAND with gravel

**Atterberg Limits**

PL = 15                      LL = 33                      PI = 18

**Coefficients**

D<sub>90</sub> = 17.2941 mm    D<sub>85</sub> = 10.8095 mm    D<sub>60</sub> = 0.3623 mm  
D<sub>50</sub> = 0.2634 mm    D<sub>30</sub> = 0.1555 mm    D<sub>15</sub> =  
D<sub>10</sub> =                      C<sub>u</sub> =                      C<sub>c</sub> =

**Classification**

USCS = SC

**Remarks**

PI: ASTM D4318, Wet Method                      ASTM D6913, Method B  
USCS: ASTM D2487

\* (no specification provided)

**Sample Number:** TP-4

**Client:** 400 Paul Avenue (SF) Owner, LLC

**Project Number:** 9318.010.002

**Project:** 400 Paul Avenue

**Date:** 8/13/2019

**Project location:** San Francisco, CA

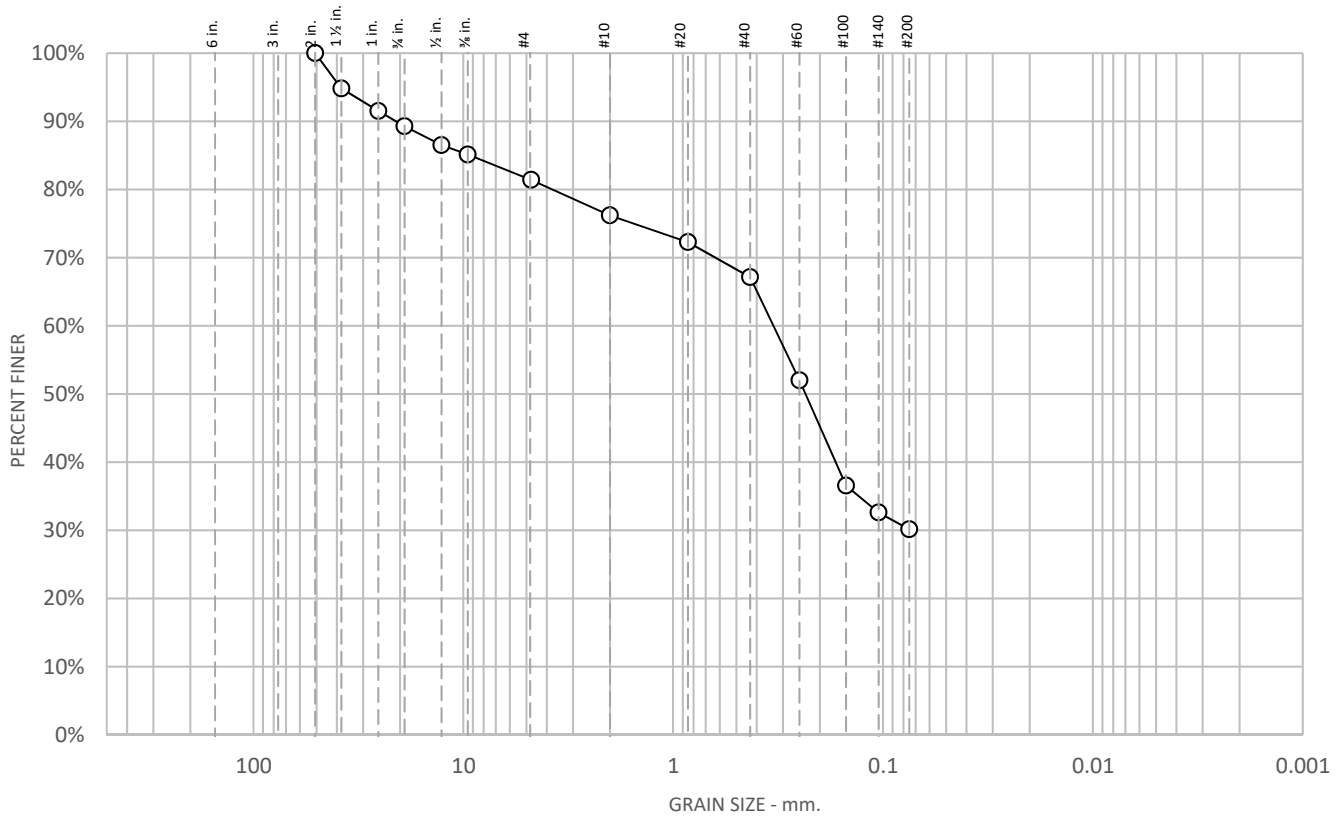


**Tested By:** W. Miller

**Checked By:** M. Quasem

**Test Location:** 3420 Fostoria Way, Suite E, Danville, CA 94526

# Particle Size Distribution Report



% +75mm	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
	10.7	7.8	5.2	9.1	37.0	30.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2 in.	100.0		
1-½ in.	94.8		
1 in.	91.5		
¾ in.	89.3		
½ in.	86.5		
¼ in.	85.1		
#4	81.4		
#10	76.2		
#20	72.3		
#40	67.1		
#60	52.0		
#100	36.6		
#140	32.6		
#200	30.1		

**Soil Description**

Dark brown silty SAND with gravel

**Atterberg Limits**

PL = 24                      LL = 30                      PI = 6

**Coefficients**

D<sub>90</sub> = 20.9034 mm    D<sub>85</sub> = 9.2910 mm            D<sub>60</sub> = 0.3329 mm  
D<sub>50</sub> = 0.2339 mm      D<sub>30</sub> =                            D<sub>15</sub> =  
D<sub>10</sub> =                      C<sub>u</sub> =                            C<sub>c</sub> =

**Classification**

USCS = SM

**Remarks**

PI: ASTM D4318, Wet Method                      ASTM D6913, Method B  
USCS: ASTM D2487

\* (no specification provided)

Sample Number: TP-5 @ 4

Client: 400 Paul Avenue (SF) Owner, LLC

Project Number: 9318.010.002

Project: 400 Paul Avenue

Date: 8/13/2019

Project location: San Francisco, CA

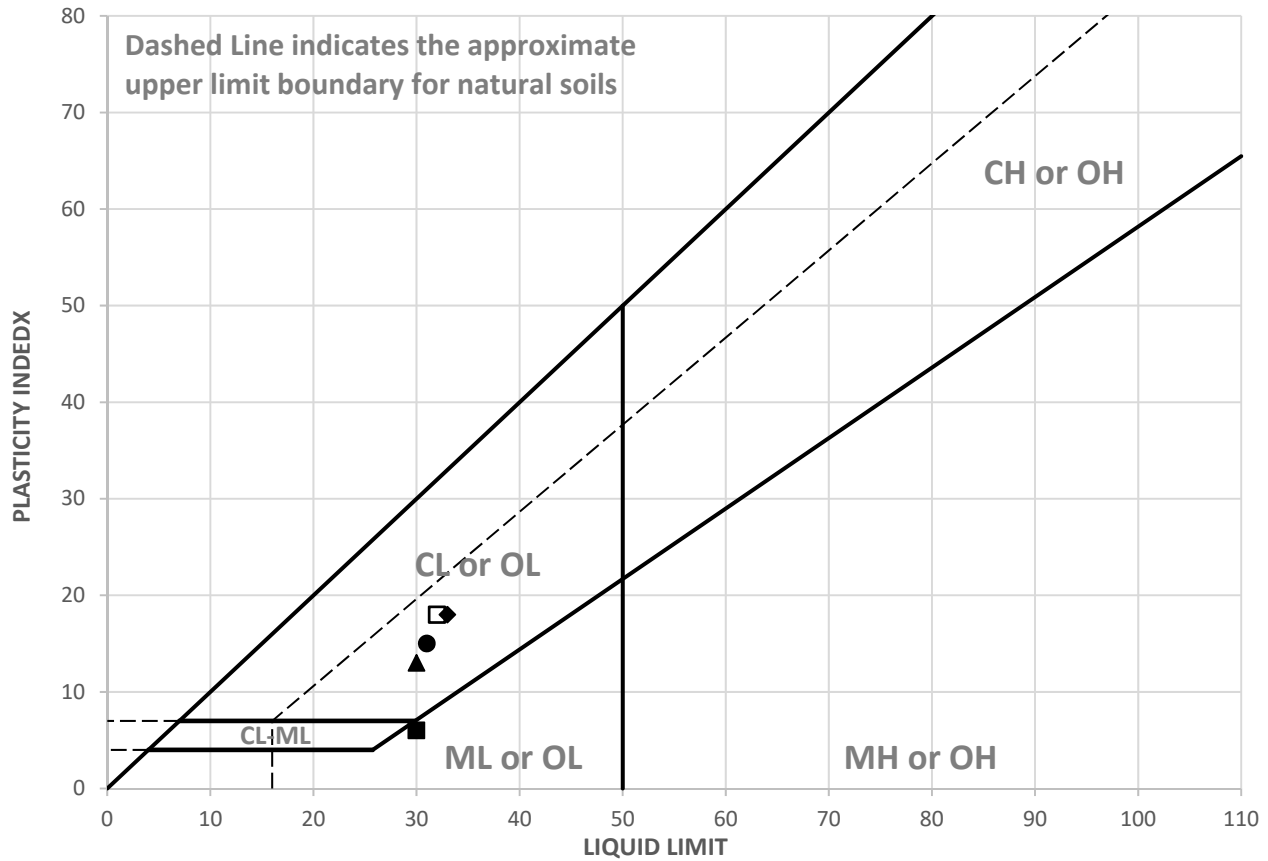


Tested By: W. Miller

Checked By: M. Quasem

Test Location: 3420 Fostoria Way, Suite E, Danville, CA 94526

# LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
▲	Dark brown clayey SAND with gravel	30	17	13	54.6	20.9	SC
◆	Dark brown poorly graded GRAVEL with clay and sand	33	15	18	34.6	7.8	GP-GC
□	Dark brown clayey SAND with gravel	32	14	18	63.9	28	SC
●	Dark brown clayey SAND with gravel	31	16	15	65.4	20.2	SC
■	Dark brown silty SAND with gravel	30	24	6	67.1	30.1	SM

**Project No.:** 9318.010.002

**Date:** 8/14/2019

**Project Name:** 400 Paul Avenue

**Project location:** San Francisco, CA

**Client:** 400 Paul Avenue (SF) Owner, LLC

▲ **Sample Number:** TP-1

**Depth:** 6.5 feet

◆ **Sample Number:** TP-2

**Depth:** 6.0 feet

□ **Sample Number:** TP-3

**Depth:** 2.0 feet

● **Sample Number:** TP-4

**Depth:** near surface

■ **Sample Number:** TP-5

**Depth:** 4.0 feet

**Remarks:**

PI: ASTM D4318, Wet Method, GS: ASTM D6913, Method B, USCS: ASTM D2487  
 PI: ASTM D4318, Wet Method, GS: ASTM D6913, Method B, USCS: ASTM D2487  
 PI: ASTM D4318, Wet Method, GS: ASTM D6913, Method B, USCS: ASTM D2487  
 PI: ASTM D4318, Wet Method, GS: ASTM D6913, Method B, USCS: ASTM D2487  
 PI: ASTM D4318, Wet Method, GS: ASTM D6913, Method B, USCS: ASTM D2487

Tested By: L. Santo Domingo

Checked By: M. Quasem

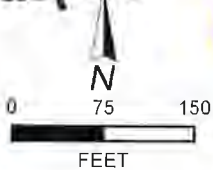
Test Location: 3420 Fostoria Way, Suite E, Danville, CA 94526



Cannot accept any depth



Sample exceeds criteria



### EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROJECT SITE
- EXTENT OF SOIL CHARACTERIZATION
- ◆ BULK SAMPLE (SURFACE TO 6.5' bgs)
- ◆ IN-SITU SAMPLE (COLLECTED AT 1.5' bgs)
- ◆ IN-SITU SAMPLE (COLLECTED AT THE SURFACE AND 2' bgs)
- ◆ SAMPLE OF RETAINING WALL BACKFILL
- ◆ STOCKPILE SAMPLE

BASEMAP SOURCE: ESRI MAPPING SERVICE



### SAMPLING PLAN FOR CHARACTERIZATION

400 PAUL AVENUE

SAN FRANCISCO, CALIFORNIA

PROJECT NO.: 9318 010 002

SCALE: AS SHOWN

DRAWN BY: MAT CHECKED BY: PHS



**506 Santa Cruz Avenue, Menlo Park, California**

Soil Sample Data Summary  
11/19/2018

Project Location / Name	Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz		Menlo Park/ 506 Santa Cruz					
	Sample Date		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018		11/1/2018			
	Sample ID/Location		PS1-05'		PS1-2'		PS1-10'		PS2-1'		PS2-5'		PS2-10'		PS2-18'		PS3-0.5'		PS3-2'		PS3-8'		PS4-1'		PS4-5'		PS4-12'		PS4-22'		PS1-3'		PS2-2'	
	Tier 1 2016 ESL revision 3	Landfill STLC Triggers		Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL			
Metals (CAM17, 6010B)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Antimony	31	150	2.22	0.050	1.62	0.050	1.19	0.050	1.07	0.050	1.37	0.050	1.4	0.050	1.3	0.050	1.42	0.050	1.24	0.050	1.36	0.050	1.09	0.050	1.15	0.050	0.975	0.050	1.18	0.050	1.3	0.050	1.16	0.05
Arsenic	0.067	20	3.62	0.050	4.37	0.050	4.39	0.050	4.26	0.050	4.79	0.050	5.3	0.050	4.77	0.050	3.93	0.050	4.8	0.050	3.52	0.050	4.49	0.050	3.87	0.050	3.47	0.050	4.32	0.050	4.6	0.050	4.03	0.05
Barium	4000	2000	210	0.055	225	0.055	142	0.055	206	0.055	185	0.055	157	0.055	186	0.055	325	0.055	144	0.055	212	0.055	175	0.055	172	0.055	121	0.055	148	0.055	204	0.055	193	0.06
Beryllium	32	7.5	0.38	0.055	0.52	0.055	0.55	0.055	0.55	0.055	0.7	0.055	0.52	0.055	0.55	0.055	0.56	0.055	0.65	0.055	0.44	0.055	0.62	0.055	0.59	0.055	0.471	0.055	0.62	0.055	0.58	0.06	0.58	0.06
Cadmium	39	10	1.27	0.100	1.0	0.100	0.71	0.100	0.92	0.100	0.955	0.100	1.03	0.100	0.87	0.100	0.595	0.100	0.775	0.100	0.645	0.100	0.755	0.100	0.755	0.100	0.425	0.100	0.745	0.100	0.585	0.100	0.55	0.1
Chromium	120000	50	67.5	0.075	50.5	0.075	38.8	0.075	39.8	0.075	48.9	0.075	43.8	0.075	43.8	0.075	40.9	0.075	43	0.075	44	0.075	34.9	0.075	43	0.075	45	0.075	37.4	0.075	41.7	0.075	45	0.08
Cobalt	23	800	20	0.070	15.1	0.070	10.4	0.070	10.1	0.070	12.5	0.070	12.3	0.070	10.5	0.070	10.5	0.070	8.35	0.070	11.3	0.070	9.7	0.070	10.8	0.070	10.8	0.070	10.4	0.070	10.1	0.070	10.5	0.07
Copper	3100	250	77	0.200	49.4	0.200	25.7	0.200	28.5	0.200	35.3	0.200	33.4	0.200	35	0.200	35	0.200	25.3	0.200	34.2	0.200	29.7	0.200	33	0.200	29.5	0.200	29.1	0.200	28.4	0.200	29.1	0.2
Lead	80	50	274	0.100	111	0.100	102	0.100	102	0.100	6.5	0.100	9.7	0.100	8.65	0.100	9.7	0.100	9.1	0.100	151	0.100	7.75	0.100	5.2	0.100	6.2	0.100	20.2	0.100	20.3	0.1	20.3	
Niobium	390	2500	ND	0.050	ND	0.050	ND	0.050	0.146	0.050	ND	0.050	ND	0.050	0.334	0.050	0.0555	0.050	ND	0.050	ND	0.050	0.09	0.050	ND	0.050	ND	0.050	0.139	0.050	0.07	0.050	ND	0.05
Nickel	86	200	69	0.500	75.5	0.500	39.9	0.500	38	0.500	50.5	0.500	53.5	0.500	53.5	0.500	44	0.500	34.2	0.500	46	0.500	34.4	0.500	45.3	0.500	47	0.500	42.7	0.500	40.2	0.5	40.2	0.5
Selenium	390	10	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.22
Silver	390	50	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.15
Thallium	0.78	70	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.2
Vanadium	390	240	78.5	0.100	67.5	0.100	38.8	0.100	42.5	0.100	52	0.100	46.1	0.100	47.8	0.100	42.6	0.100	44.3	0.100	47	0.100	37.4	0.100	45.7	0.100	42.6	0.100	40.3	0.100	46.6	0.100	47.1	0.1
Zinc	23000	2500	242	0.300	155	0.300	59	0.300	75	0.300	82	0.300	72	0.300	83	0.300	71.8	0.3	60	0.300	77	0.300	38	0.300	74	0.300	56	0.300	62.5	0.300	73.5	0.300	67.5	0.3
Mercury	13	2	0.53	0.083	0.47	0.083	ND	0.083	0.29	0.083	ND	0.083	ND	0.083	ND	0.083	0.2	0.083	0.098	0.083	0.2	0.083	ND	0.083	ND	0.083	ND	0.083	ND	0.083	ND	0.083	ND	
STLC Chromium (mg/L)	4.9	4.9	0.259	0.300	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	
STLC Lead (mg/L)	4.9	4.9	16.4	0.200	4.37	0.200	ND	0.200	9.89	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	
TCLP Lead (mg/L)	4.9	4.9	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200
Hexavalent Chromium	0.3	5	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200	ND	0.200
TPH (3550/3510/8015B)	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TPH Gasoline	100000	990000	ND	43	46.8	43	47.1	43	ND	43	45.6	43	43.4	43	ND	43	43	45.4	43	ND	43	43	43	43	43	43	43	43	43	43	43	43	43	43
TPH (3550/3510/8015B)	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
TPH as Diesel	230	20000	2.66	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	2.06	2	ND	2	ND	2	58.9	20	53	10	ND	2	ND	2	ND	2	ND	2
TPH as Motor Oil	5100	10000	81	10	ND	10	ND	10	10.6	10	ND	10	ND	10	ND	10	12.8	10	ND	10	ND	10	370	100	300	50	18.5	10	ND	10	ND	10	ND	10
SVOCS - PAH SIM (8270C-SIM)	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Naphthalene	33	5.1	13	0.51	2.2	0.51	1.4	0.51	2.5	0.51	1.9	0.51	2	0.51	1.9	0.51	12	0.51	2.1	0.51	5.3	0.51	1.5	0.51	6.1	0.51	1.7	0.51	1.7	0.51	1.7	0.51	1.7	0.51
2-Methylnaphthalene	250	2.2	9.7	0.22	0.68	0.22	0.37	0.22	1.3	0.22	0.69	0.22	0.55	0.22	0.49	0.22	15	0.22	0.97	0.22	3.9	0.22	0.4	0.22	5	0.22	0.49	0.22	0.48	0.22	0.48	0.22	0.48	0.22
1-Methylnaphthalene	13000	1.8	17	0.18	0.68	0.18	0.45	0.18	1.8	0.18	0.69	0.18	0.43	0.18	0.41	0.18	14	0.18	0.9	0.18	4.7	0.18	0.41	0.18	5.9	0.18	0.4	0.18	0.38	0.18	0.38	0.18	0.38	0.18
Acenaphthylene	16000	1.9	15	0.19	0.68	0.19	0.29	0.19	1.6	0.19	0.69	0.19	0.29	0.19	0.19	0.19	1.9	0.19	0.66	0.19	6.7	0.19	0.59	0.19	7.1	0.19	0.22	0.19	0.22	0.19	0.22	0.19	0.22	0.19
Acenaphthene	16000	1.6	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16	ND	0.16
Fluorene	8900	2.7	ND	0.27	0.34	0.27	ND	0.27	0.34	0.27	0.29	0.27	0.29	0.27	0.29	0.27	ND	0.27	0.27	ND	0.27	ND	0.27	ND	0.27									





ENTHALPY

ANALYTICAL



# Enthalpy Analytical

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 307177  
ANALYTICAL REPORT

A&B Construction  
1350 4th Street  
Berkeley, CA 94710

Project : STANDARD  
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
SC-25	307177-001
SC-27	307177-002
SC-30	307177-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: \_\_\_\_\_

Date: 02/14/2019

Tracy Babjar  
Project Manager  
tracy.babjar@enthalpy.com  
(510) 204-2226 Ext 13107

CA ELAP# 2896, NELAP# 4044-001

## CASE NARRATIVE

Laboratory number: 307177  
Client: A&B Construction  
Request Date: 02/12/19  
Samples Received: 02/12/19

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 02/12/19. The samples were received cold and intact.

### TPH-Purgeables and/or BTXE by GC (EPA 8015B):

No analytical problems were encountered.

### TPH-Extractables by GC (EPA 8015B):

Matrix spikes QC964552, QC964553 (batch 267720) were not reported because the parent sample required a dilution that would have diluted out the spikes. No other analytical problems were encountered.

### Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

### Semivolatile Organics by GC/MS (EPA 8270C):

No analytical problems were encountered.

### Pesticides (EPA 8081A):

All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. All samples underwent florisol cleanup using EPA Method 3620C. No analytical problems were encountered.

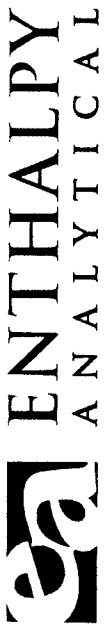
### PCBs (EPA 8082):

All samples underwent sulfuric acid cleanup using EPA Method 3665A. All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. No analytical problems were encountered.

### Metals (EPA 6010B and EPA 7471A):

High recoveries were observed for mercury in the MS/MSD for batch 267710; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

# CHAIN OF CUSTODY



Formerly Curtis & Tompkins Labs

2323 Fifth Street  
Berkeley, CA 94710

Project No: 18247

Project Name: MAPLE ST

Project P. O. No: 18247

EDD Format:  I  II  III  IV

Turnaround Time:  RUSH  Standard

Page \_\_\_ of \_\_\_

Chain of Custody #

C&T LOGIN #

307177

Phone (510) 486-0900  
Fax (510) 486-0532

Sampler: RODRIGO DIAZ VALDES

Report To: PETE BUSS

Company: A+B CONSTRUCTION

## ANALYTICAL REQUEST

Lab No.	Sample ID	Date Collected	Time Collected	Matrix	# of Containers	Chemical Preservative	Pesticides	PCBs	CAM-17	TRH <sub>6</sub>	TRH <sub>10</sub>	TRHD	VOCs	SVOCs
	SC-25	2/12/19	1:00 PM	Water	1	HCl	X	X	X	X	X	X	X	X
	SC-27	~	~	Water	1	HCl	X	X	X	X	X	X	X	X
	SC-30	~	~	Water	1	HCl	X	X	X	X	X	X	X	X

Lab No.	Sample ID	Date Collected	Time Collected	Matrix	# of Containers	HCl	H2SO4	HNO3	NaOH	None
	SC-25	2/12/19	1:00 PM	Water	1	X				
	SC-27	~	~	Water	1	X				
	SC-30	~	~	Water	1	X				

Notes:

- SAMPLE RECEIPT
- Intact
  - Cold
  - On Ice
  - Ambient

RELINQUISHED BY:

*[Signature]*

DATE: 2/12 TIME: 14:51

DATE: TIME:

DATE: TIME:

RECEIVED BY:

*[Signature]*

DATE: 2-12-19 TIME: 14:51

DATE: TIME:

DATE: TIME:

**SAMPLE RECEIPT CHECKLIST**



Section 1: Login # 307177  
 Date Received: 2/12/19

Client: A + B Construction  
 Project: \_\_\_\_\_

Section 2: Samples received in a cooler?  Yes, how many? 1  No (skip Section 3 below)

If no cooler Sample Temp (°C): \_\_\_\_\_ using IR Gun #  A, or  B

Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 2/12/19 By (print) AC (sign) \_\_\_\_\_

Shipping Info (if applicable) \_\_\_\_\_

Are custody seals present?  No, or  Yes. If yes, where?  on cooler,  on samples,  on package

Date: \_\_\_\_\_ How many \_\_\_\_\_  Signature,  Initials,  None

Were custody seals intact upon arrival?  Yes  No  N/A

Section 3: **Important: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) \_\_\_\_\_

Bubble Wrap,  Foam blocks,  Bags,  None,  Cloth material,  Cardboard,  Styrofoam,  Paper towels

Samples received on ice directly from the field. Cooling process had begun

Type of ice used:  Wet,  Blue/Gel,  None Temperature blank(s) included?  Yes,  No

Temperature measured using  Thermometer ID: \_\_\_\_\_, or IR Gun #  A  B

Cooler Temp (°C): #1: 1.8, #2: \_\_\_\_\_, #3: \_\_\_\_\_, #4: \_\_\_\_\_, #5: \_\_\_\_\_, #6: \_\_\_\_\_, #7: \_\_\_\_\_

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	—		
Were Method 5035 sampling containers present?		—	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	—		
Are there any missing / extra samples?		—	
Are samples in the appropriate containers for indicated tests?	—		
Are sample labels present, in good condition and complete?	—		
Does the container count match the COC?	—		
Do the sample labels agree with custody papers?	—		
Was sufficient amount of sample sent for tests requested?	—		
Did you change the hold time in LIMS for unpreserved VOAs?			—
Did you change the hold time in LIMS for preserved terracores?			—
Are bubbles > 6mm absent in VOA samples?			—
Was the client contacted concerning this sample delivery?			—
If YES, who was called? _____ By _____ Date: _____			

Section 5: **YES NO N/A**

Are the samples appropriately preserved? (if N/A, skip the rest of section 5)

Did you check preservatives for all bottles for each sample?

Did you document your preservative check?

pH strip lot# \_\_\_\_\_, pH strip lot# \_\_\_\_\_, pH strip lot# \_\_\_\_\_

Preservative added:

H2SO4 lot# \_\_\_\_\_ added to samples \_\_\_\_\_ on/at \_\_\_\_\_

HCL lot# \_\_\_\_\_ added to samples \_\_\_\_\_ on/at \_\_\_\_\_

HNO3 lot# \_\_\_\_\_ added to samples \_\_\_\_\_ on/at \_\_\_\_\_

NaOH lot# \_\_\_\_\_ added to samples \_\_\_\_\_ on/at \_\_\_\_\_

Section 6:

Explanations/Comments: \_\_\_\_\_

Date Logged in 2/12/19

By (print) AC (sign) \_\_\_\_\_

Date Labeled 2/12/19

By (print) AC (sign) \_\_\_\_\_





Client Sample ID : SC-30

Laboratory Sample ID :

307177-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	1.5	Y	1.0	mg/Kg	As Recd	1.000	EPA 8015B	EPA 3550C
Arsenic	4.3		1.5	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Barium	130		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Beryllium	0.39		0.099	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cadmium	0.57		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	37		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cobalt	11		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Copper	22		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	5.4		0.99	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Mercury	0.26		0.016	mg/Kg	As Recd	1.000	EPA 7471A	METHOD
Molybdenum	1.4		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	58		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Vanadium	35		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	52		0.99	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

Y = Sample exhibits chromatographic pattern which does not resemble standard





Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8015B
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	307137-001	Batch#:	267724
Matrix:	Soil	Sampled:	02/11/19
Units:	mg/Kg	Received:	02/11/19
Basis:	as received	Analyzed:	02/12/19

Type: MS Lab ID: QC964575

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.3100	9.259	8.111	88	51-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	79	58-145

Type: MSD Lab ID: QC964576

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.615	8.018	83	51-120	5	29

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	79	58-145

RPD= Relative Percent Difference

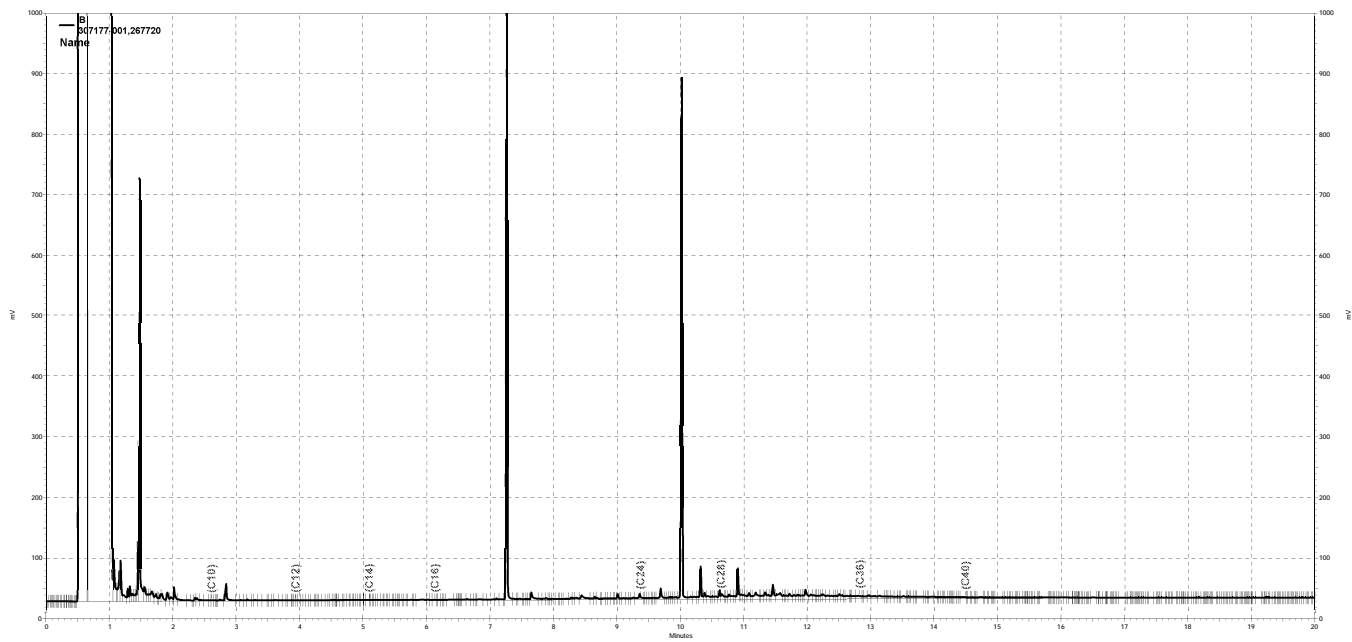


Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8015B
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC964551	Batch#:	267720
Matrix:	Soil	Prepared:	02/12/19
Units:	mg/Kg	Analyzed:	02/12/19

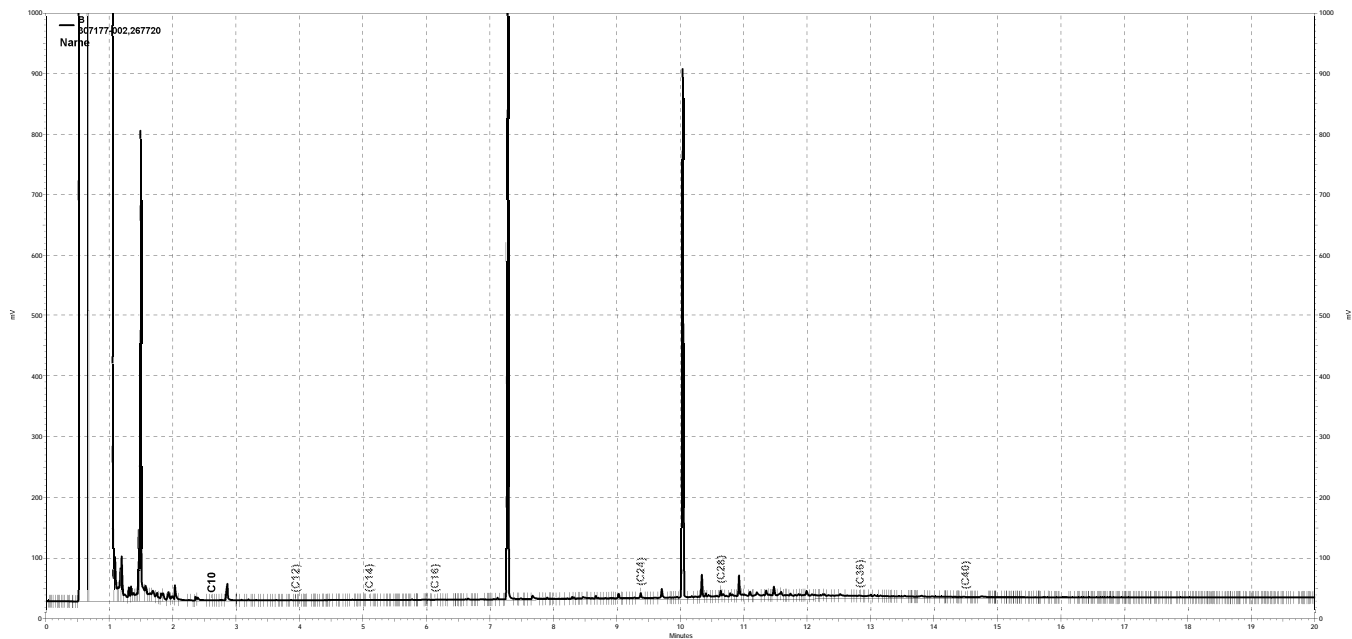
Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.00	51.54	103	55-133

Surrogate	%REC	Limits
o-Terphenyl	124	61-130

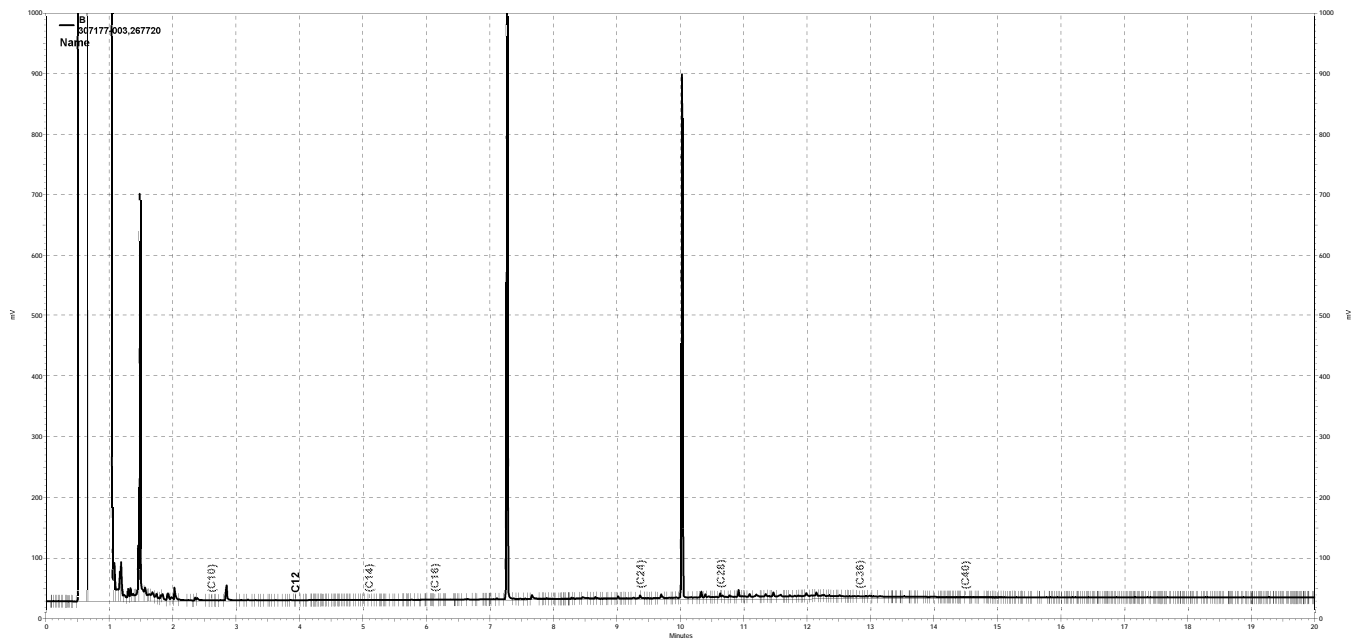


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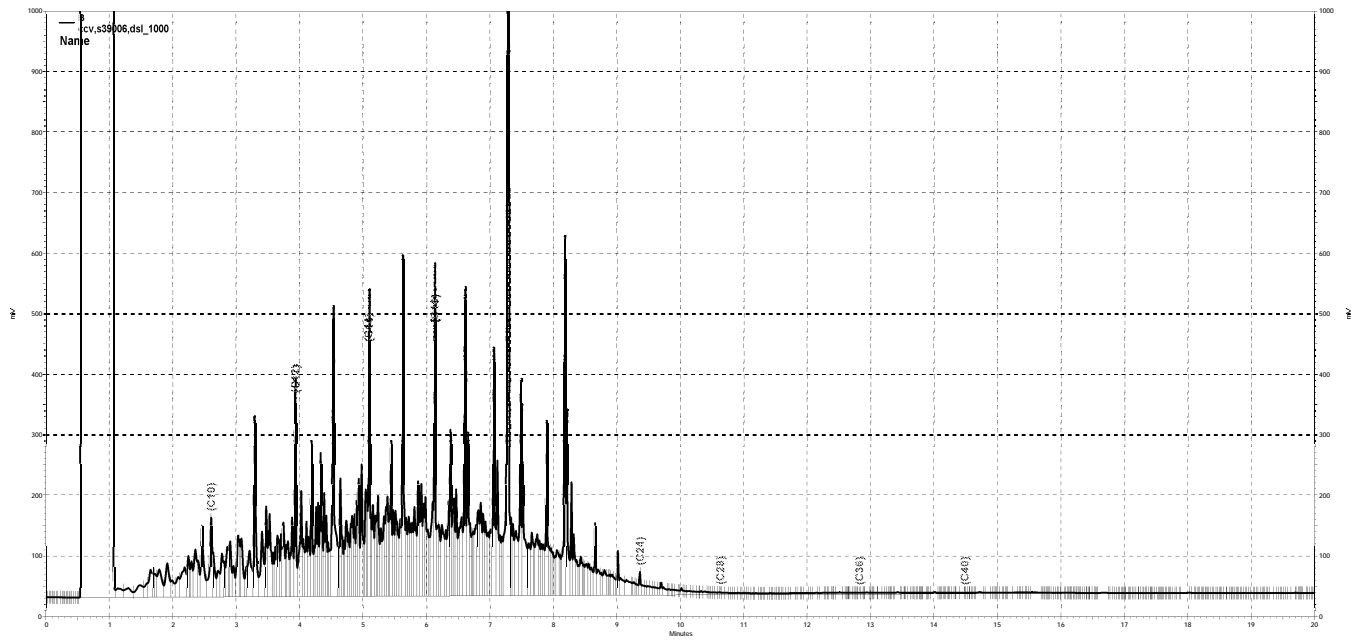




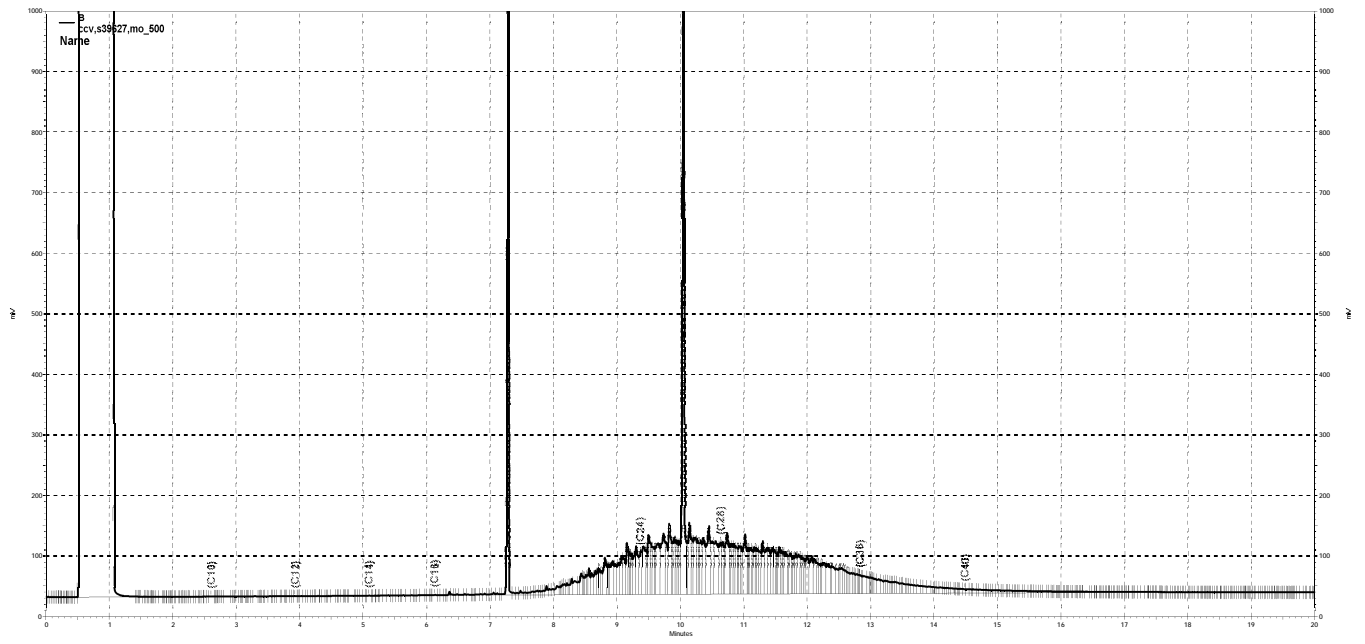
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**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-25	Diln Fac:	0.8418
Lab ID:	307177-001	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Freon 12	ND	8.4
Chloromethane	ND	8.4
Vinyl Chloride	ND	8.4
Bromomethane	ND	8.4
Chloroethane	ND	8.4
Trichlorofluoromethane	ND	4.2
Acetone	ND	17
Freon 113	ND	4.2
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	21
Carbon Disulfide	ND	4.2
MTBE	ND	4.2
trans-1,2-Dichloroethene	ND	4.2
Vinyl Acetate	ND	42
1,1-Dichloroethane	ND	4.2
2-Butanone	ND	8.4
cis-1,2-Dichloroethene	ND	4.2
2,2-Dichloropropane	ND	4.2
Chloroform	ND	4.2
Bromochloromethane	ND	4.2
1,1,1-Trichloroethane	ND	4.2
1,1-Dichloropropene	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	ND	4.2
Trichloroethene	ND	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
Dibromomethane	ND	4.2
4-Methyl-2-Pentanone	ND	8.4
cis-1,3-Dichloropropene	ND	4.2
Toluene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
2-Hexanone	ND	8.4
1,3-Dichloropropane	ND	4.2
Tetrachloroethene	ND	4.2

ND= Not Detected  
 RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-25	Diln Fac:	0.8418
Lab ID:	307177-001	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Dibromochloromethane	ND	4.2
1,2-Dibromoethane	ND	4.2
Chlorobenzene	ND	4.2
1,1,1,2-Tetrachloroethane	ND	4.2
Ethylbenzene	ND	4.2
m,p-Xylenes	ND	4.2
o-Xylene	ND	4.2
Styrene	ND	4.2
Bromoform	ND	4.2
Isopropylbenzene	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2
1,2,3-Trichloropropane	ND	4.2
Propylbenzene	ND	4.2
Bromobenzene	ND	4.2
1,3,5-Trimethylbenzene	ND	4.2
2-Chlorotoluene	ND	4.2
4-Chlorotoluene	ND	4.2
tert-Butylbenzene	ND	4.2
1,2,4-Trimethylbenzene	ND	4.2
sec-Butylbenzene	ND	4.2
para-Isopropyl Toluene	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
n-Butylbenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2
1,2-Dibromo-3-Chloropropane	ND	4.2
1,2,4-Trichlorobenzene	ND	4.2
Hexachlorobutadiene	ND	4.2
Naphthalene	ND	4.2
1,2,3-Trichlorobenzene	ND	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	111	78-131
1,2-Dichloroethane-d4	118	80-136
Toluene-d8	102	80-120
Bromofluorobenzene	119	80-129

ND= Not Detected  
 RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-27	Diln Fac:	0.9921
Lab ID:	307177-002	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Freon 12	ND	9.9
Chloromethane	ND	9.9
Vinyl Chloride	ND	9.9
Bromomethane	ND	9.9
Chloroethane	ND	9.9
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	25
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	9.9
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	9.9
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	9.9
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-27	Diln Fac:	0.9921
Lab ID:	307177-002	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	112	78-131
1,2-Dichloroethane-d4	118	80-136
Toluene-d8	104	80-120
Bromofluorobenzene	118	80-129

ND= Not Detected  
 RL= Reporting Limit



**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-30	Diln Fac:	0.8850
Lab ID:	307177-003	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Freon 12	ND	8.8
Chloromethane	ND	8.8
Vinyl Chloride	ND	8.8
Bromomethane	ND	8.8
Chloroethane	ND	8.8
Trichlorofluoromethane	ND	4.4
Acetone	ND	18
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	22
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.8
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	ND	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.8
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.8
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected

RL= Reporting Limit

**Purgeable Organics by GC/MS**

Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	SC-30	Diln Fac:	0.8850
Lab ID:	307177-003	Batch#:	267706
Matrix:	Soil	Sampled:	02/12/19
Units:	ug/Kg	Received:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	ND	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	ND	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	ND	4.4
sec-Butylbenzene	ND	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	ND	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	ND	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	111	78-131
1,2-Dichloroethane-d4	118	80-136
Toluene-d8	103	80-120
Bromofluorobenzene	120	80-129

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	267706
Units:	ug/Kg	Analyzed:	02/12/19
Diln Fac:	1.000		

Type: BS Lab ID: QC964487

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.93	120	69-142
Benzene	25.00	26.76	107	79-123
Trichloroethene	25.00	25.14	101	79-126
Toluene	25.00	26.39	106	78-120
Chlorobenzene	25.00	25.96	104	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	110	78-131
1,2-Dichloroethane-d4	113	80-136
Toluene-d8	103	80-120
Bromofluorobenzene	114	80-129

Type: BSD Lab ID: QC964488

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	28.65	115	69-142	4	23
Benzene	25.00	25.59	102	79-123	5	20
Trichloroethene	25.00	24.21	97	79-126	4	20
Toluene	25.00	25.28	101	78-120	4	20
Chlorobenzene	25.00	24.72	99	80-122	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	78-131
1,2-Dichloroethane-d4	111	80-136
Toluene-d8	103	80-120
Bromofluorobenzene	112	80-129

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964489	Batch#:	267706
Matrix:	Soil	Analyzed:	02/12/19
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	25
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964489	Batch#:	267706
Matrix:	Soil	Analyzed:	02/12/19
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	110	78-131
1,2-Dichloroethane-d4	116	80-136
Toluene-d8	102	80-120
Bromofluorobenzene	118	80-129

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Batch#:	267706
MSS Lab ID:	307147-020	Sampled:	02/11/19
Matrix:	Soil	Received:	02/11/19
Units:	ug/Kg	Analyzed:	02/12/19
Basis:	as received		

Type: MS Diln Fac: 0.9042  
 Lab ID: QC964548

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1118	45.21	48.53	107	65-142
Benzene	<0.09208	45.21	41.52	92	62-122
Trichloroethene	<0.1073	45.21	39.10	86	53-145
Toluene	<0.1116	45.21	39.27	87	54-120
Chlorobenzene	<0.09208	45.21	36.34	80	48-120

Surrogate	%REC	Limits
Dibromofluoromethane	113	78-131
1,2-Dichloroethane-d4	118	80-136
Toluene-d8	102	80-120
Bromofluorobenzene	112	80-129

Type: MSD Diln Fac: 0.9980  
 Lab ID: QC964549

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.90	53.15	107	65-142	1	41
Benzene	49.90	46.32	93	62-122	1	36
Trichloroethene	49.90	43.42	87	53-145	1	39
Toluene	49.90	43.49	87	54-120	0	35
Chlorobenzene	49.90	40.71	82	48-120	1	35

Surrogate	%REC	Limits
Dibromofluoromethane	111	78-131
1,2-Dichloroethane-d4	116	80-136
Toluene-d8	102	80-120
Bromofluorobenzene	112	80-129

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964618	Batch#:	267706
Matrix:	Soil	Analyzed:	02/12/19
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	25
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	307177	Prep:	EPA 5030B
Client:	A&B Construction	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964618	Batch#:	267706
Matrix:	Soil	Analyzed:	02/12/19
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	78-131
1,2-Dichloroethane-d4	114	80-136
Toluene-d8	104	80-120
Bromofluorobenzene	117	80-129

ND= Not Detected  
 RL= Reporting Limit



Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-25	Batch#:	267718
Lab ID:	307177-001	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Pyridine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66

ND= Not Detected  
 RL= Reporting Limit

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-25	Batch#:	267718
Lab ID:	307177-001	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
Di-n-butylphthalate	ND	330
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	78	43-120
Phenol-d5	83	48-120
2,4,6-Tribromophenol	76	38-120
Nitrobenzene-d5	77	42-120
2-Fluorobiphenyl	78	35-120
Terphenyl-d14	86	59-120

ND= Not Detected  
 RL= Reporting Limit  
 Page 2 of 2

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-27	Batch#:	267718
Lab ID:	307177-002	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	340
Pyridine	ND	340
Phenol	ND	340
bis(2-Chloroethyl)ether	ND	340
2-Chlorophenol	ND	340
1,3-Dichlorobenzene	ND	340
1,4-Dichlorobenzene	ND	340
Benzyl alcohol	ND	340
1,2-Dichlorobenzene	ND	340
2-Methylphenol	ND	340
bis(2-Chloroisopropyl) ether	ND	340
4-Methylphenol	ND	340
N-Nitroso-di-n-propylamine	ND	340
Hexachloroethane	ND	340
Nitrobenzene	ND	340
Isophorone	ND	340
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	340
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	340
2,4-Dichlorophenol	ND	340
1,2,4-Trichlorobenzene	ND	340
Naphthalene	ND	67
4-Chloroaniline	ND	340
Hexachlorobutadiene	ND	340
4-Chloro-3-methylphenol	ND	340
2-Methylnaphthalene	ND	67
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	340
2,4,5-Trichlorophenol	ND	340
2-Chloronaphthalene	ND	340
2-Nitroaniline	ND	670
Dimethylphthalate	ND	340
Acenaphthylene	ND	67
2,6-Dinitrotoluene	ND	340
3-Nitroaniline	ND	670
Acenaphthene	ND	67
2,4-Dinitrophenol	ND	670
4-Nitrophenol	ND	670
Dibenzofuran	ND	340
2,4-Dinitrotoluene	ND	340
Diethylphthalate	ND	340
Fluorene	ND	67
4-Chlorophenyl-phenylether	ND	340
4-Nitroaniline	ND	670
4,6-Dinitro-2-methylphenol	ND	670
N-Nitrosodiphenylamine	ND	340
Azobenzene	ND	340
4-Bromophenyl-phenylether	ND	340
Hexachlorobenzene	ND	340
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67

ND= Not Detected  
 RL= Reporting Limit

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-27	Batch#:	267718
Lab ID:	307177-002	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
Di-n-butylphthalate	ND	340
Fluoranthene	ND	67
Pyrene	ND	67
Butylbenzylphthalate	ND	340
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	340
Di-n-octylphthalate	ND	340
Benzo(b)fluoranthene	ND	67
Benzo(k)fluoranthene	ND	67
Benzo(a)pyrene	ND	67
Indeno(1,2,3-cd)pyrene	ND	67
Dibenz(a,h)anthracene	ND	67
Benzo(g,h,i)perylene	ND	67

Surrogate	%REC	Limits
2-Fluorophenol	79	43-120
Phenol-d5	83	48-120
2,4,6-Tribromophenol	75	38-120
Nitrobenzene-d5	78	42-120
2-Fluorobiphenyl	76	35-120
Terphenyl-d14	86	59-120

ND= Not Detected  
 RL= Reporting Limit

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-30	Batch#:	267718
Lab ID:	307177-003	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Pyridine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	67
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	67
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670
Dimethylphthalate	ND	330
Acenaphthylene	ND	67
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	670
Acenaphthene	ND	67
2,4-Dinitrophenol	ND	670
4-Nitrophenol	ND	670
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	67
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	670
4,6-Dinitro-2-methylphenol	ND	670
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67

ND= Not Detected  
 RL= Reporting Limit

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	SC-30	Batch#:	267718
Lab ID:	307177-003	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
Di-n-butylphthalate	ND	330
Fluoranthene	ND	67
Pyrene	ND	67
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	67
Benzo(k)fluoranthene	ND	67
Benzo(a)pyrene	ND	67
Indeno(1,2,3-cd)pyrene	ND	67
Dibenz(a,h)anthracene	ND	67
Benzo(g,h,i)perylene	ND	67

Surrogate	%REC	Limits
2-Fluorophenol	55	43-120
Phenol-d5	62	48-120
2,4,6-Tribromophenol	57	38-120
Nitrobenzene-d5	57	42-120
2-Fluorobiphenyl	56	35-120
Terphenyl-d14	63	59-120

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964541	Batch#:	267718
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Pyridine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	67
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	67
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670
Dimethylphthalate	ND	330
Acenaphthylene	ND	67
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	670
Acenaphthene	ND	67
2,4-Dinitrophenol	ND	670
4-Nitrophenol	ND	670
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	67
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	670
4,6-Dinitro-2-methylphenol	ND	670
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67
Di-n-butylphthalate	ND	330

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964541	Batch#:	267718
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Result	RL
Fluoranthene	ND	67
Pyrene	ND	67
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	67
Benzo(k)fluoranthene	ND	67
Benzo(a)pyrene	ND	67
Indeno(1,2,3-cd)pyrene	ND	67
Dibenz(a,h)anthracene	ND	67
Benzo(g,h,i)perylene	ND	67

Surrogate	%REC	Limits
2-Fluorophenol	80	43-120
Phenol-d5	82	48-120
2,4,6-Tribromophenol	70	38-120
Nitrobenzene-d5	77	42-120
2-Fluorobiphenyl	78	35-120
Terphenyl-d14	83	59-120

ND= Not Detected  
 RL= Reporting Limit



Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC964542	Batch#:	267718
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Spiked	Result	%REC	Limits
Phenol	2,667	2,537	95	51-120
2-Chlorophenol	2,667	2,273	85	62-120
1,4-Dichlorobenzene	2,667	2,598	97	60-120
N-Nitroso-di-n-propylamine	2,667	2,444	92	52-120
1,2,4-Trichlorobenzene	2,667	2,489	93	64-120
4-Chloro-3-methylphenol	2,667	2,535	95	66-131
Acenaphthene	1,000	770.7	77	68-120
4-Nitrophenol	2,667	2,584	97	65-123
2,4-Dinitrotoluene	2,667	2,519	94	74-120
Pentachlorophenol	2,667	2,333	87	41-120
Pyrene	1,000	807.5	81	71-120

Surrogate	%REC	Limits
2-Fluorophenol	74	43-120
Phenol-d5	77	48-120
2,4,6-Tribromophenol	99	38-120
Nitrobenzene-d5	72	42-120
2-Fluorobiphenyl	72	35-120
Terphenyl-d14	75	59-120

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Field ID:	SC-25	Batch#:	267723
Lab ID:	307177-001	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
alpha-BHC	ND	0.85
beta-BHC	ND	0.85
gamma-BHC	ND	0.85
delta-BHC	ND	0.85
Heptachlor	ND	0.85
Aldrin	ND	0.85
Heptachlor epoxide	ND	0.85
Endosulfan I	ND	0.85
Dieldrin	ND	0.85
4,4'-DDE	ND	1.7
Endrin	ND	1.7
Endosulfan II	ND	1.7
Endosulfan sulfate	ND	1.7
4,4'-DDD	ND	1.7
Endrin aldehyde	ND	1.7
4,4'-DDT	ND	1.7
alpha-Chlordane	ND #	0.85
gamma-Chlordane	ND	0.85
Methoxychlor	ND	8.5
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	100	43-125
Decachlorobiphenyl	101	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements  
 ND= Not Detected  
 RL= Reporting Limit

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Field ID:	SC-27	Batch#:	267723
Lab ID:	307177-002	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
alpha-BHC	ND	0.84
beta-BHC	ND	0.84
gamma-BHC	ND	0.84
delta-BHC	ND	0.84
Heptachlor	ND	0.84
Aldrin	ND	0.84
Heptachlor epoxide	ND	0.84
Endosulfan I	ND	0.84
Dieldrin	ND	0.84
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
Endosulfan sulfate	ND	1.6
4,4'-DDD	ND	1.6
Endrin aldehyde	ND	1.6
4,4'-DDT	ND	1.6
alpha-Chlordane	ND #	0.84
gamma-Chlordane	ND	0.84
Methoxychlor	ND	8.4
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	112	43-125
Decachlorobiphenyl	115	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements  
 ND= Not Detected  
 RL= Reporting Limit

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Field ID:	SC-30	Batch#:	267723
Lab ID:	307177-003	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	1.000		

Analyte	Result	RL
alpha-BHC	ND	0.85
beta-BHC	ND	0.85
gamma-BHC	ND	0.85
delta-BHC	ND	0.85
Heptachlor	ND	0.85
Aldrin	ND	0.85
Heptachlor epoxide	ND	0.85
Endosulfan I	ND	0.85
Dieldrin	ND	0.85
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
Endosulfan sulfate	ND	1.6
4,4'-DDD	ND	1.6
Endrin aldehyde	ND	1.6
4,4'-DDT	ND	1.6
alpha-Chlordane	ND #	0.85
gamma-Chlordane	ND	0.85
Methoxychlor	ND	8.5
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	102	43-125
Decachlorobiphenyl	100	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements  
 ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964565	Batch#:	267723
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Result	RL
alpha-BHC	ND	0.85
beta-BHC	ND	0.85
gamma-BHC	ND	0.85
delta-BHC	ND	0.85
Heptachlor	ND	0.85
Aldrin	ND	0.85
Heptachlor epoxide	ND	0.85
Endosulfan I	ND	0.85
Dieldrin	ND	0.85
4,4'-DDE	ND	1.7
Endrin	ND	1.7
Endosulfan II	ND	1.7
Endosulfan sulfate	ND	1.7
4,4'-DDD	ND	1.7
Endrin aldehyde	ND #	1.7
4,4'-DDT	ND	1.7
alpha-Chlordane	ND #	0.85
gamma-Chlordane	ND	0.85
Methoxychlor	ND	8.5
Toxaphene	ND	30

Surrogate	%REC	Limits
TCMX	87	43-125
Decachlorobiphenyl	92	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements  
 ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC964566	Batch#:	267723
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	6.667	7.197	108	58-131
Heptachlor	6.667	7.322	110	51-133
Aldrin	6.667	7.421	111	52-128
Dieldrin	6.667	7.303	110	59-133
Endrin	6.667	8.542 #	128	48-154
4,4'-DDT	6.667	8.475	127	54-140

Surrogate	%REC	Limits
TCMX	109	43-125
Decachlorobiphenyl	105	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements

Batch QC Report

Organochlorine Pesticides			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8081A
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Batch#:	267723
MSS Lab ID:	307137-001	Sampled:	02/11/19
Matrix:	Soil	Received:	02/11/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	5.000		

Type: MS Lab ID: QC964567

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.4318	6.667	5.901	89	58-126
Heptachlor	<0.4344	6.667	6.142	92	58-127
Aldrin	<0.4146	6.667	5.826	87	55-124
Dieldrin	<0.5328	6.667	7.601	114	48-137
Endrin	7.145	6.667	11.82 #	70	48-158
4,4'-DDT	5.381	6.667	11.48	91	38-155

Surrogate	%REC	Limits
TCMX	87	43-125
Decachlorobiphenyl	83	40-128

Type: MSD Lab ID: QC964568

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	6.745	7.191	107	58-126	19	36
Heptachlor	6.745	7.469	111	58-127	18	34
Aldrin	6.745	7.149	106	55-124	19	31
Dieldrin	6.745	8.886	132	48-137	14	38
Endrin	6.745	14.32 #	106	48-158	19	38
4,4'-DDT	6.745	14.25	131	38-155	21	42

Surrogate	%REC	Limits
TCMX	108	43-125
Decachlorobiphenyl	120	40-128

#= CCV drift outside limits; average CCV drift within limits per method requirements  
 RPD= Relative Percent Difference







Batch QC Report

Polychlorinated Biphenyls (PCBs)			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8082
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC964569	Batch#:	267723
Matrix:	Soil	Prepared:	02/12/19
Units:	ug/Kg	Analyzed:	02/13/19

Analyte	Spiked	Result	%REC	Limits
Aroclor-1016	83.33	89.11	107	63-143
Aroclor-1260	83.33	95.04	114	59-157

Surrogate	%REC	Limits
Decachlorobiphenyl	119	49-157

Batch QC Report

Polychlorinated Biphenyls (PCBs)			
Lab #:	307177	Prep:	EPA 3550C
Client:	A&B Construction	Analysis:	EPA 8082
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Batch#:	267723
MSS Lab ID:	307159-004	Sampled:	02/11/19
Matrix:	Soil	Received:	02/11/19
Units:	ug/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19
Diln Fac:	2.000		

Type: MS Lab ID: QC964570

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1016	<2.354	82.92	71.79	87	62-160
Aroclor-1260	41.65	82.92	116.7	90	53-172

Surrogate	%REC	Limits
Decachlorobiphenyl	101	49-157

Type: MSD Lab ID: QC964571

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1016	82.43	108.1	131	62-160	41	43
Aroclor-1260	82.43	113.4	87	53-172	2	44

Surrogate	%REC	Limits
Decachlorobiphenyl	131	49-157

RPD= Relative Percent Difference

California Title 22 Metals			
Lab #:	307177	Project#:	STANDARD
Client:	A&B Construction		
Field ID:	SC-25	Diln Fac:	1.000
Lab ID:	307177-001	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	mg/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19

Analyte	Result	RL	Batch#	Prep	Analysis
Antimony	ND	2.0	267732	EPA 3050B	EPA 6010B
Arsenic	5.6	1.5	267732	EPA 3050B	EPA 6010B
Barium	120	0.25	267732	EPA 3050B	EPA 6010B
Beryllium	0.48	0.10	267732	EPA 3050B	EPA 6010B
Cadmium	0.41	0.25	267732	EPA 3050B	EPA 6010B
Chromium	41	0.25	267732	EPA 3050B	EPA 6010B
Cobalt	10	0.25	267732	EPA 3050B	EPA 6010B
Copper	27	0.25	267732	EPA 3050B	EPA 6010B
Lead	7.2	1.0	267732	EPA 3050B	EPA 6010B
Mercury	0.048	0.017	267710	METHOD	EPA 7471A
Molybdenum	1.7	0.25	267732	EPA 3050B	EPA 6010B
Nickel	46	0.25	267732	EPA 3050B	EPA 6010B
Selenium	ND	2.0	267732	EPA 3050B	EPA 6010B
Silver	ND	0.25	267732	EPA 3050B	EPA 6010B
Thallium	ND	0.51	267732	EPA 3050B	EPA 6010B
Vanadium	40	0.25	267732	EPA 3050B	EPA 6010B
Zinc	68	1.0	267732	EPA 3050B	EPA 6010B

ND= Not Detected  
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	307177	Project#:	STANDARD
Client:	A&B Construction		
Field ID:	SC-27	Diln Fac:	1.000
Lab ID:	307177-002	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	mg/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19

Analyte	Result	RL	Batch#	Prep	Analysis
Antimony	ND	2.0	267732	EPA 3050B	EPA 6010B
Arsenic	4.2	1.5	267732	EPA 3050B	EPA 6010B
Barium	87	0.27	267732	EPA 3050B	EPA 6010B
Beryllium	0.36	0.11	267732	EPA 3050B	EPA 6010B
Cadmium	0.30	0.27	267732	EPA 3050B	EPA 6010B
Chromium	41	0.27	267732	EPA 3050B	EPA 6010B
Cobalt	10	0.27	267732	EPA 3050B	EPA 6010B
Copper	22	0.27	267732	EPA 3050B	EPA 6010B
Lead	5.0	1.0	267732	EPA 3050B	EPA 6010B
Mercury	0.018	0.018	267710	METHOD	EPA 7471A
Molybdenum	1.2	0.27	267732	EPA 3050B	EPA 6010B
Nickel	42	0.27	267732	EPA 3050B	EPA 6010B
Selenium	ND	2.0	267732	EPA 3050B	EPA 6010B
Silver	ND	0.27	267732	EPA 3050B	EPA 6010B
Thallium	ND	0.53	267732	EPA 3050B	EPA 6010B
Vanadium	38	0.27	267732	EPA 3050B	EPA 6010B
Zinc	54	1.1	267732	EPA 3050B	EPA 6010B

ND= Not Detected  
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	307177	Project#:	STANDARD
Client:	A&B Construction		
Field ID:	SC-30	Diln Fac:	1.000
Lab ID:	307177-003	Sampled:	02/12/19
Matrix:	Soil	Received:	02/12/19
Units:	mg/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/13/19

Analyte	Result	RL	Batch#	Prep	Analysis
Antimony	ND	2.0	267732	EPA 3050B	EPA 6010B
Arsenic	4.3	1.5	267732	EPA 3050B	EPA 6010B
Barium	130	0.25	267732	EPA 3050B	EPA 6010B
Beryllium	0.39	0.099	267732	EPA 3050B	EPA 6010B
Cadmium	0.57	0.25	267732	EPA 3050B	EPA 6010B
Chromium	37	0.25	267732	EPA 3050B	EPA 6010B
Cobalt	11	0.25	267732	EPA 3050B	EPA 6010B
Copper	22	0.25	267732	EPA 3050B	EPA 6010B
Lead	5.4	0.99	267732	EPA 3050B	EPA 6010B
Mercury	0.26	0.016	267710	METHOD	EPA 7471A
Molybdenum	1.4	0.25	267732	EPA 3050B	EPA 6010B
Nickel	58	0.25	267732	EPA 3050B	EPA 6010B
Selenium	ND	2.0	267732	EPA 3050B	EPA 6010B
Silver	ND	0.25	267732	EPA 3050B	EPA 6010B
Thallium	ND	0.50	267732	EPA 3050B	EPA 6010B
Vanadium	35	0.25	267732	EPA 3050B	EPA 6010B
Zinc	52	0.99	267732	EPA 3050B	EPA 6010B

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

California Title 22 Metals			
Lab #:	307177	Prep:	METHOD
Client:	A&B Construction	Analysis:	EPA 7471A
Project#:	STANDARD		
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	267710
Lab ID:	QC964506	Prepared:	02/12/19
Matrix:	Soil	Analyzed:	02/12/19
Units:	mg/Kg		

Result	RL
ND	0.018

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

California Title 22 Metals			
Lab #:	307177	Prep:	METHOD
Client:	A&B Construction	Analysis:	EPA 7471A
Project#:	STANDARD		
Analyte:	Mercury	Batch#:	267710
Matrix:	Soil	Prepared:	02/12/19
Units:	mg/Kg	Analyzed:	02/12/19
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC964507	0.1613	0.1466	91	80-120		
BSD	QC964508	0.1695	0.1553	92	80-120	1	20

RPD= Relative Percent Difference



Batch QC Report

California Title 22 Metals			
Lab #:	307177	Prep:	METHOD
Client:	A&B Construction	Analysis:	EPA 7471A
Project#:	STANDARD		
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	267710
MSS Lab ID:	307122-001	Sampled:	02/11/19
Matrix:	Soil	Received:	02/11/19
Units:	mg/Kg	Prepared:	02/12/19
Basis:	as received	Analyzed:	02/12/19

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC964509	0.2002	0.1538	0.4995	195 *	80-120		
MSD	QC964510		0.1754	0.4394	136 *	80-120	19	20

\*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals			
Lab #:	307177	Prep:	EPA 3050B
Client:	A&B Construction	Analysis:	EPA 6010B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC964600	Batch#:	267732
Matrix:	Soil	Prepared:	02/12/19
Units:	mg/Kg	Analyzed:	02/13/19

Analyte	Result	RL
Antimony	ND	2.0
Arsenic	ND	1.5
Barium	ND	0.27
Beryllium	ND	0.11
Cadmium	ND	0.27
Chromium	ND	0.27
Cobalt	ND	0.27
Copper	ND	0.27
Lead	ND	1.0
Molybdenum	ND	0.27
Nickel	ND	0.27
Selenium	ND	2.0
Silver	ND	0.27
Thallium	ND	0.53
Vanadium	ND	0.27
Zinc	ND	1.1

ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

California Title 22 Metals			
Lab #:	307177	Prep:	EPA 3050B
Client:	A&B Construction	Analysis:	EPA 6010B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	267732
Units:	mg/Kg	Prepared:	02/12/19
Diln Fac:	1.000	Analyzed:	02/13/19

Type: BS Lab ID: QC964601

Analyte	Spiked	Result	%REC	Limits
Antimony	52.08	50.82	98	80-120
Arsenic	52.08	52.06	100	80-120
Barium	52.08	52.74	101	80-120
Beryllium	26.04	26.43	101	80-120
Cadmium	52.08	50.68	97	80-120
Chromium	52.08	52.87	102	80-120
Cobalt	52.08	51.85	100	80-120
Copper	52.08	50.74	97	80-120
Lead	52.08	52.72	101	80-120
Molybdenum	52.08	52.38	101	80-120
Nickel	52.08	52.08	100	80-120
Selenium	52.08	50.73	97	80-120
Silver	5.208	4.971	95	80-120
Thallium	52.08	52.11	100	80-120
Vanadium	52.08	51.70	99	80-120
Zinc	52.08	52.05	100	80-120

Type: BSD Lab ID: QC964602

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	52.08	51.97	100	80-120	2	20
Arsenic	52.08	52.55	101	80-120	1	20
Barium	52.08	53.23	102	80-120	1	20
Beryllium	26.04	26.88	103	80-120	2	20
Cadmium	52.08	51.20	98	80-120	1	20
Chromium	52.08	53.37	102	80-120	1	20
Cobalt	52.08	52.27	100	80-120	1	20
Copper	52.08	51.34	99	80-120	1	20
Lead	52.08	52.74	101	80-120	0	20
Molybdenum	52.08	52.89	102	80-120	1	20
Nickel	52.08	52.55	101	80-120	1	20
Selenium	52.08	51.07	98	80-120	1	20
Silver	5.208	5.036	97	80-120	1	20
Thallium	52.08	52.66	101	80-120	1	20
Vanadium	52.08	52.35	101	80-120	1	20
Zinc	52.08	52.56	101	80-120	1	20

RPD= Relative Percent Difference



Pacific States Env  
11555 Dublin Blvd  
Dublin, California 94568  
Tel: 925 829 4333  
Fax: 925 829 4334  
Email: [datareview@pacificstates.net](mailto:datareview@pacificstates.net)  
RE: 506 Santa Cruz, Menlo Park

Work Order No.: 1811006 Rev: 3

Dear Andy Vanskike:

Torrent Laboratory, Inc. received 24 sample(s) on November 01, 2018 for the analyses presented in the following Report.

As requested on the Chain of Custody, ten samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is written in a cursive style.

---

Kathie Evans  
Project Manager

November 13, 2018

---

Date



**Date:** 11/13/2018

---

**Client:** Pacific States Env

**Project:** 506 Santa Cruz, Menlo Park

**Work Order:** 1811006

## CASE NARRATIVE

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Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Asbestos analysis was sub-contracted to ELAP certified laboratory EMSL. Sub-contract data follows as an attachment to the Torrent generated report.

Analytical Comment for 6010B, Note: The spikes in the MS/MSD for Barium, Lead and Zinc are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.

### REVISIONS

Report revised to include Pesticide data for all samples.

Rev. 1 (11/9/18)

### REVISIONS

Report revised to include STLC and TCLP data.

### STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 11/10/18 at 8:30 AM to 11/12/18 at 8:45 AM

### TCLP

Note: Extraction of 100 g sample/2000 g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (SW-846 1311 TCLP) which was rotated in a rotary shaker @ 32 RPM for 18 hours (+/- 2 hours).

Date Prepared: 11/12/18 at 2:40 PM to 11/13/18 at 9:10 AM

Analytical Comments for method 6010B STLC, 1811006-001A MSD, QC Analytical Preparation



ID 1109219, Note: The % recovery for Lead is outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Rev. 2 (11/13/18)

Per client request, report revised include data for samples originally submitted as on hold.

Analytical Comment for 6010B, Note: The spikes in the MS/MSD for Barium are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.

Rev. 3 (11/16/18)



## Sample Result Summary

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date Received:** 11/01/18

**Date Reported:** 11/13/18

**PS1-0.5'**

1811006-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	2.22	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.69	mg/Kg
Barium	SW6010B	1	0.055	5.00	210	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.380	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	1.27	mg/Kg
Chromium	SW6010B	1	0.075	5.00	67.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	20.0	mg/Kg
Copper	SW6010B	1	0.20	5.00	77.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	274	mg/Kg
Nickel	SW6010B	1	0.50	5.00	69.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	78.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	242	mg/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.259	mg/L
Lead (STLC)	SW6010B	1	0.050	0.20	16.4	mg/L
Mercury	SW7471B	1	0.083	0.50	0.53	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.66	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	81.0	mg/Kg
delta-BHC	SW8081B	3	0.47	6.0	0.930	ug/Kg
Heptachlor Epoxide	SW8081B	3	0.23	6.0	0.300	ug/Kg
gamma-Chlordane	SW8081B	3	0.49	6.0	0.690	ug/Kg
4,4-DDE	SW8081B	3	0.58	6.0	4.92	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	14.2	ug/Kg
Naphthalene	SW8270C	10	5.1	40	13	ug/Kg
2-Methylnaphthalene	SW8270C	10	2.2	40	9.7	ug/Kg
1-Methylnaphthalene	SW8270C	10	1.8	40	17	ug/Kg
Acenaphthylene	SW8270C	10	1.9	40	3.4	ug/Kg
Phenanthrene	SW8270C	10	5.9	40	15	ug/Kg
Fluoranthene	SW8270C	10	5.3	40	16	ug/Kg
Pyrene	SW8270C	10	5.5	40	19	ug/Kg
Benz[a]anthracene	SW8270C	10	4.6	40	24	ug/Kg
Chrysene	SW8270C	10	4.9	40	27	ug/Kg
Benzo[b]fluoranthene	SW8270C	10	2.4	40	25	ug/Kg
Benzo[k]fluoranthene	SW8270C	10	2.3	40	15	ug/Kg
Benzo[a]pyrene	SW8270C	10	2.8	40	15	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	16	ug/Kg
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	11	ug/Kg
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	23	ug/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS1-2'

1811006-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	46.8	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.62	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.73	mg/Kg
Barium	SW6010B	1	0.055	5.00	225	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.520	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	1.00	mg/Kg
Chromium	SW6010B	1	0.075	5.00	50.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	15.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	49.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	111	mg/Kg
Nickel	SW6010B	1	0.50	5.00	75.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	67.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	155	mg/Kg
Lead (STLC)	SW6010B	1	0.050	0.20	4.37	mg/L
Mercury	SW7471B	1	0.083	0.50	0.17	mg/Kg
4,4-DDE	SW8081B	1	0.19	2.0	0.310	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	0.140	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	2.2	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.68	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.69	ug/Kg
Fluorene	SW8270C	1	0.27	4.0	0.29	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	1.2	ug/Kg
Fluoranthene	SW8270C	1	0.53	4.0	0.86	ug/Kg
Pyrene	SW8270C	1	0.55	4.0	0.88	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.7	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	1.5	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	1.1	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.96	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.69	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.78	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.72	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.80	ug/Kg





### Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS1-3'

1811006-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.30	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.60	mg/Kg
Barium	SW6010B	1	0.055	5.00	204	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.620	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.585	mg/Kg
Chromium	SW6010B	1	0.075	5.00	41.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	20.2	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.0700	mg/Kg
Nickel	SW6010B	1	0.50	5.00	42.7	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	46.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	73.5	mg/Kg
4,4-DDE	SW8081B	1	0.19	2.0	0.290	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	0.390	ug/Kg



## Sample Result Summary

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date Received:** 11/01/18

**Date Reported:** 11/13/18

PS1-10'

1811006-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	47.1	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.19	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.39	mg/Kg
Barium	SW6010B	1	0.055	5.00	142	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.472	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.725	mg/Kg
Chromium	SW6010B	1	0.075	5.00	38.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.4	mg/Kg
Copper	SW6010B	1	0.20	5.00	25.7	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.45	mg/Kg
Nickel	SW6010B	1	0.50	5.00	39.9	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	38.8	mg/Kg
Zinc	SW6010B	1	0.30	5.00	59.0	mg/Kg
delta-BHC	SW8081B	1	0.16	2.0	0.240	ug/Kg
Heptachlor Epoxide	SW8081B	1	0.078	2.0	0.0900	ug/Kg
gamma-Chlordane	SW8081B	1	0.16	2.0	0.180	ug/Kg
4,4-DDE	SW8081B	1	0.19	2.0	0.230	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	0.200	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.4	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.37	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.45	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.21	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	0.74	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.3	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.91	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.65	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.85	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.52	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.52	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.42	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.41	ug/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS2-1'

1811006-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.050	0.20	9.89	mg/L
Antimony	SW6010B	1	0.050	5.00	1.07	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.26	mg/Kg
Barium	SW6010B	1	0.055	5.00	206	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.550	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.710	mg/Kg
Chromium	SW6010B	1	0.075	5.00	39.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.5	mg/Kg
Lead	SW6010B	1	0.10	1.30	102	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.146	mg/Kg
Nickel	SW6010B	1	0.50	5.00	38.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	75.0	mg/Kg
Mercury	SW7471B	1	0.083	0.50	0.29	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	10.6	mg/Kg
beta-BHC	SW8081B	1	0.32	2.0	0.770	ug/Kg
delta-BHC	SW8081B	1	0.16	2.0	0.600	ug/Kg
gamma-Chlordane	SW8081B	1	0.16	2.0	0.270	ug/Kg
alpha-Chlordane	SW8081B	1	0.17	2.0	0.240	ug/Kg
Endosulfan I	SW8081B	1	0.18	2.0	0.190	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	2.5	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	1.3	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	1.8	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.29	ug/Kg
Fluorene	SW8270C	1	0.27	4.0	0.34	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	3.1	ug/Kg
Fluoranthene	SW8270C	1	0.53	4.0	1.6	ug/Kg
Pyrene	SW8270C	1	0.55	4.0	1.9	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	2.2	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	2.8	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	4.6	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	1.6	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	2.0	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	2.8	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	1.2	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	2.8	ug/Kg



### Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS2-2'

1811006-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.16	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.03	mg/Kg
Barium	SW6010B	1	0.055	5.00	193	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.580	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.550	mg/Kg
Chromium	SW6010B	1	0.075	5.00	45.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.5	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.1	mg/Kg
Lead	SW6010B	1	0.10	1.30	20.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	40.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	47.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	67.5	mg/Kg

PS2-3'

1811006-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.08	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.48	mg/Kg
Barium	SW6010B	1	0.055	5.00	159	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.481	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.492	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.80	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.1	mg/Kg
Lead	SW6010B	1	0.10	1.30	35.0	mg/Kg
Nickel	SW6010B	1	0.50	5.00	35.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	61.0	mg/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS2-5'

1811006-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	45.6	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.37	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	5.10	mg/Kg
Barium	SW6010B	1	0.055	5.00	185	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.700	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.920	mg/Kg
Chromium	SW6010B	1	0.075	5.00	48.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.5	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.3	mg/Kg
Lead	SW6010B	1	0.10	1.30	10.2	mg/Kg
Nickel	SW6010B	1	0.50	5.00	50.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	52.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	82.0	mg/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.9	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.69	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.69	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.25	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	0.97	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.2	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.86	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.71	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.69	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.45	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.49	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.38	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.36	ug/Kg



### Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS2-10'

1811006-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	43.4	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.40	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.79	mg/Kg
Barium	SW6010B	1	0.055	5.00	157	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.520	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.955	mg/Kg
Chromium	SW6010B	1	0.075	5.00	49.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.3	mg/Kg
Copper	SW6010B	1	0.20	5.00	33.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.50	mg/Kg
Nickel	SW6010B	1	0.50	5.00	53.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	46.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	72.0	mg/Kg
Naphthalene	SW8270C	1	0.51	4.0	2.0	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.55	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.43	ug/Kg
Fluorene	SW8270C	1	0.27	4.0	0.29	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	0.80	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.73	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.58	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.59	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.39	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.49	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.48	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.82	ug/Kg



### Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS2-18'

1811006-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.30	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	5.30	mg/Kg
Barium	SW6010B	1	0.055	5.00	186	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.615	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	1.03	mg/Kg
Chromium	SW6010B	1	0.075	5.00	43.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	9.70	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.334	mg/Kg
Nickel	SW6010B	1	0.50	5.00	53.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	47.8	mg/Kg
Zinc	SW6010B	1	0.30	5.00	83.0	mg/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.9	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.49	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.41	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.19	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	0.63	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.68	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.53	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.59	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.34	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.31	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.34	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.35	ug/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS3-0.5'

1811006-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	43.0	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.42	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.77	mg/Kg
Barium	SW6010B	1	0.055	5.00	325	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.560	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.870	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.5	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	865	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.0555	mg/Kg
Nickel	SW6010B	1	0.50	5.00	44.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	118	mg/Kg
Lead (STLC)	SW6010B	1	0.050	0.20	8.11	mg/L
Mercury	SW7471B	1	0.083	0.50	0.20	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.06	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	12.8	mg/Kg
Naphthalene	SW8270C	1	0.51	4.0	12	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	15	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	14	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.66	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	8.1	ug/Kg
Anthracene	SW8270C	1	0.53	4.0	1.0	ug/Kg
Fluoranthene	SW8270C	1	0.53	4.0	3.6	ug/Kg
Pyrene	SW8270C	1	0.55	4.0	3.7	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	3.4	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	4.4	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	4.7	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	1.7	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	2.5	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	2.1	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.88	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	2.3	ug/Kg





## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS3-2'

1811006-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	43	100	45.4	ug/Kg
Antimony	SW6010B	1	0.050	5.00	1.24	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.83	mg/Kg
Barium	SW6010B	1	0.055	5.00	144	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.555	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.595	mg/Kg
Chromium	SW6010B	1	0.075	5.00	43.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.35	mg/Kg
Copper	SW6010B	1	0.20	5.00	25.3	mg/Kg
Lead	SW6010B	1	0.10	1.30	8.25	mg/Kg
Nickel	SW6010B	1	0.50	5.00	34.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	44.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	60.0	mg/Kg
Naphthalene	SW8270C	1	0.51	4.0	2.1	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.97	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.90	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.69	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.87	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.78	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.45	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.45	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.32	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.39	ug/Kg

PS3-3'

1811006-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	0.890	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.29	mg/Kg
Barium	SW6010B	1	0.055	5.00	138	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.505	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.492	mg/Kg
Chromium	SW6010B	1	0.075	5.00	35.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.55	mg/Kg
Copper	SW6010B	1	0.20	5.00	22.7	mg/Kg
Lead	SW6010B	1	0.10	1.30	7.25	mg/Kg
Nickel	SW6010B	1	0.50	5.00	34.9	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	37.4	mg/Kg
Zinc	SW6010B	1	0.30	5.00	54.0	mg/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS3-8'

1811006-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.36	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.80	mg/Kg
Barium	SW6010B	1	0.055	5.00	212	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.600	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.775	mg/Kg
Chromium	SW6010B	1	0.075	5.00	44.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.3	mg/Kg
Copper	SW6010B	1	0.20	5.00	34.2	mg/Kg
Lead	SW6010B	1	0.10	1.30	9.10	mg/Kg
Nickel	SW6010B	1	0.50	5.00	46.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	47.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	77.0	mg/Kg
Mercury	SW7471B	1	0.083	0.50	0.098	mg/Kg
4,4-DDE	SW8081B	1	0.19	2.0	0.223	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	0.980	ug/Kg
Naphthalene	SW8270C	10	5.1	40	5.3	ug/Kg
2-Methylnaphthalene	SW8270C	10	2.2	40	3.9	ug/Kg
1-Methylnaphthalene	SW8270C	10	1.8	40	4.7	ug/Kg
Pyrene	SW8270C	10	5.5	40	6.6	ug/Kg
Benz[a]anthracene	SW8270C	10	4.6	40	14	ug/Kg
Chrysene	SW8270C	10	4.9	40	14	ug/Kg
Benzo[b]fluoranthene	SW8270C	10	2.4	40	11	ug/Kg
Benzo[k]fluoranthene	SW8270C	10	2.3	40	6.7	ug/Kg
Benzo[a]pyrene	SW8270C	10	2.8	40	6.7	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	9.2	ug/Kg
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	7.3	ug/Kg
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	15	ug/Kg



## Sample Result Summary

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date Received:** 11/01/18

**Date Reported:** 11/13/18

PS4-1'

1811006-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.050	0.20	0.251	mg/L
Antimony	SW6010B	1	0.050	5.00	1.09	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.52	mg/Kg
Barium	SW6010B	1	0.055	5.00	175	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.440	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.645	mg/Kg
Chromium	SW6010B	1	0.075	5.00	34.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.70	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.7	mg/Kg
Lead	SW6010B	1	0.10	1.30	151	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.0900	mg/Kg
Nickel	SW6010B	1	0.50	5.00	34.4	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	37.4	mg/Kg
Zinc	SW6010B	1	0.30	5.00	98.0	mg/Kg
Mercury	SW7471B	1	0.083	0.50	0.20	mg/Kg
TPH as Diesel	SW8015B	10	8.5	20	58.9	mg/Kg
TPH as Motor Oil	SW8015B	10	32	100	370	mg/Kg
delta-BHC	SW8081B	3	0.47	6.0	0.960	ug/Kg
gamma-Chlordane	SW8081B	3	0.49	6.0	0.690	ug/Kg
alpha-Chlordane	SW8081B	3	0.52	6.0	0.738	ug/Kg
4,4-DDE	SW8081B	3	0.58	6.0	1.53	ug/Kg
Dieldrin	SW8081B	3	0.44	6.0	0.870	ug/Kg
Chlordane	SW8081B	3	6.3	60	6.98	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.5	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.40	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.41	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	0.77	ug/Kg
Anthracene	SW8270C	1	0.53	4.0	0.71	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.74	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.73	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.59	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.38	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.38	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.34	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.36	ug/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS4-2'

1811006-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.24	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.68	mg/Kg
Barium	SW6010B	1	0.055	5.00	164	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.488	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.490	mg/Kg
Chromium	SW6010B	1	0.075	5.00	37.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.55	mg/Kg
Copper	SW6010B	1	0.20	5.00	25.2	mg/Kg
Lead	SW6010B	1	0.10	1.30	39.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	35.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	38.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	69.0	mg/Kg

PS4-3'

1811006-021

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	0.985	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.78	mg/Kg
Barium	SW6010B	1	0.055	5.00	140	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.473	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.446	mg/Kg
Chromium	SW6010B	1	0.075	5.00	35.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.35	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.7	mg/Kg
Lead	SW6010B	1	0.10	1.30	17.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	32.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	37.0	mg/Kg
Zinc	SW6010B	1	0.30	5.00	58.5	mg/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS4-5'

1811006-022

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.15	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.42	mg/Kg
Barium	SW6010B	1	0.055	5.00	172	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.625	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.755	mg/Kg
Chromium	SW6010B	1	0.075	5.00	43.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.8	mg/Kg
Copper	SW6010B	1	0.20	5.00	33.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	7.75	mg/Kg
Nickel	SW6010B	1	0.50	5.00	44.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	45.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	74.0	mg/Kg
TPH as Diesel	SW8015B	5	4.3	10	53.0	mg/Kg
TPH as Motor Oil	SW8015B	5	16	50	300	mg/Kg
delta-BHC	SW8081B	3	0.47	6.0	0.960	ug/Kg
Naphthalene	SW8260B	1	1.7	10	5.07	ug/Kg
Naphthalene	SW8270C	10	5.1	40	6.1	ug/Kg
2-Methylnaphthalene	SW8270C	10	2.2	40	5.0	ug/Kg
1-Methylnaphthalene	SW8270C	10	1.8	40	5.9	ug/Kg
Fluoranthene	SW8270C	10	5.3	40	7.1	ug/Kg
Pyrene	SW8270C	10	5.5	40	9.2	ug/Kg
Benz[a]anthracene	SW8270C	10	4.6	40	15	ug/Kg
Chrysene	SW8270C	10	4.9	40	19	ug/Kg
Benzo[b]fluoranthene	SW8270C	10	2.4	40	16	ug/Kg
Benzo[k]fluoranthene	SW8270C	10	2.3	40	9.8	ug/Kg
Benzo[a]pyrene	SW8270C	10	2.8	40	8.5	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	12	ug/Kg
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	10	ug/Kg
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	25	ug/Kg



### Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS4-12'

1811006-023

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	0.975	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	3.87	mg/Kg
Barium	SW6010B	1	0.055	5.00	121	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.397	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.725	mg/Kg
Chromium	SW6010B	1	0.075	5.00	45.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.8	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.5	mg/Kg
Lead	SW6010B	1	0.10	1.30	5.20	mg/Kg
Nickel	SW6010B	1	0.50	5.00	45.3	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	56.0	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	18.5	mg/Kg
Naphthalene	SW8260B	1	1.7	10	4.31	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.7	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.49	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.40	ug/Kg
Acenaphthylene	SW8270C	1	0.19	4.0	0.22	ug/Kg
Phenanthrene	SW8270C	1	0.59	4.0	1.0	ug/Kg
Fluoranthene	SW8270C	1	0.53	4.0	0.69	ug/Kg
Pyrene	SW8270C	1	0.55	4.0	0.96	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.5	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	1.3	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	1.1	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.79	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.81	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.62	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.46	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.84	ug/Kg



## Sample Result Summary

Report prepared for: Andy Vanskike  
Pacific States Env

Date Received: 11/01/18

Date Reported: 11/13/18

PS4-22'

1811006-024

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	SW6010B	1	0.050	5.00	1.18	mg/Kg
Arsenic	SW6010B	1	0.15	3.00	4.32	mg/Kg
Barium	SW6010B	1	0.055	5.00	148	mg/Kg
Beryllium	SW6010B	1	0.055	5.00	0.471	mg/Kg
Cadmium	SW6010B	1	0.10	5.00	0.745	mg/Kg
Chromium	SW6010B	1	0.075	5.00	37.4	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.4	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.1	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.20	mg/Kg
Molybdenum	SW6010B	1	0.050	5.00	0.139	mg/Kg
Nickel	SW6010B	1	0.50	5.00	47.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	40.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	62.5	mg/Kg
Naphthalene	SW8260B	1	1.7	10	4.42	ug/Kg
Naphthalene	SW8270C	1	0.51	4.0	1.7	ug/Kg
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.48	ug/Kg
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.38	ug/Kg
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.0	ug/Kg
Chrysene	SW8270C	1	0.49	4.0	0.59	ug/Kg
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.52	ug/Kg
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.55	ug/Kg
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.39	ug/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.36	ug/Kg
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.41	ug/Kg
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.51	ug/Kg



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	<b>0.53</b>		mg/Kg	11/05/18	11:10	BJAY	435448





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/2/18	3:35:00PM
<b>Prep Batch ID:</b> 1109038	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>2.22</b>	J	mg/Kg	11/05/18	13:33	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>3.69</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>210</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.380</b>	J	mg/Kg	11/05/18	13:33	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>1.27</b>	J	mg/Kg	11/05/18	13:33	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>67.5</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>20.0</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>77.0</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>274</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	13:33	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>69.0</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	13:33	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	13:33	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	13:33	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>78.5</b>		mg/Kg	11/05/18	13:33	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>242</b>		mg/Kg	11/05/18	13:33	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> WET/3010B	<b>Prep Batch Date/Time:</b> 11/12/18	2:00:00PM
<b>Prep Batch ID:</b> 1109219	<b>Prep Analyst:</b> PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	<b>0.259</b>		mg/L	11/12/18	16:33	PPATEL	435609
Lead (STLC)	SW6010B	1	0.050	0.20	<b>16.4</b>		mg/L	11/12/18	16:33	PPATEL	435609



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 1311/3010B	<b>Prep Batch Date/Time:</b> 11/13/18	10:50:00AM
<b>Prep Batch ID:</b> 1109247	<b>Prep Analyst:</b> BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	11/13/18	13:30	PPATEL	435632



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	10	5.1	40	13	J	ug/Kg	11/02/18	17:49	MT	435446
2-Methylnaphthalene	SW8270C	10	2.2	40	9.7	J	ug/Kg	11/02/18	17:49	MT	435446
1-Methylnaphthalene	SW8270C	10	1.8	40	17	J	ug/Kg	11/02/18	17:49	MT	435446
Acenaphthylene	SW8270C	10	1.9	40	3.4	J	ug/Kg	11/02/18	17:49	MT	435446
Acenaphthene	SW8270C	10	1.6	40	ND		ug/Kg	11/02/18	17:49	MT	435446
Fluorene	SW8270C	10	2.7	40	ND		ug/Kg	11/02/18	17:49	MT	435446
Phenanthrene	SW8270C	10	5.9	40	15	J	ug/Kg	11/02/18	17:49	MT	435446
Anthracene	SW8270C	10	5.3	40	ND		ug/Kg	11/02/18	17:49	MT	435446
Fluoranthene	SW8270C	10	5.3	40	16	J	ug/Kg	11/02/18	17:49	MT	435446
Pyrene	SW8270C	10	5.5	40	19	J	ug/Kg	11/02/18	17:49	MT	435446
Benz[a]anthracene	SW8270C	10	4.6	40	24	J	ug/Kg	11/02/18	17:49	MT	435446
Chrysene	SW8270C	10	4.9	40	27	J	ug/Kg	11/02/18	17:49	MT	435446
Benzo[b]fluoranthene	SW8270C	10	2.4	40	25	J	ug/Kg	11/02/18	17:49	MT	435446
Benzo[k]fluoranthene	SW8270C	10	2.3	40	15	J	ug/Kg	11/02/18	17:49	MT	435446
Benzo[a]pyrene	SW8270C	10	2.8	40	15	J	ug/Kg	11/02/18	17:49	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	16	J	ug/Kg	11/02/18	17:49	MT	435446
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	11	J	ug/Kg	11/02/18	17:49	MT	435446
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	23	J	ug/Kg	11/02/18	17:49	MT	435446
Hexachlorobenzene	SW8270C	10	3.6	40	ND		ug/Kg	11/02/18	17:49	MT	435446
Pyridine	SW8270C	10	11	40	ND		ug/Kg	11/02/18	17:49	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		84.6		%	11/02/18	17:49	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		108		%	11/02/18	17:49	MT	435446

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	17:45	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>90.0</b>		%	11/02/18	17:45	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>97.0</b>		%	11/02/18	17:45	mk	435454



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-0.5'	Lab Sample ID:	1811006-001A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:12		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
delta-BHC	SW8081B	3	0.47	6.0	<b>0.930</b>	J	ug/Kg	11/02/18	22:24	LA	435451
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Heptachlor Epoxide	SW8081B	3	0.23	6.0	<b>0.300</b>	J	ug/Kg	11/02/18	22:24	LA	435451
gamma-Chlordane	SW8081B	3	0.49	6.0	<b>0.690</b>	J	ug/Kg	11/02/18	22:24	LA	435451
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
4,4-DDE	SW8081B	3	0.58	6.0	<b>4.92</b>	J	ug/Kg	11/02/18	22:24	LA	435451
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
4,4-DDT	SW8081B	3	0.39	6.0	<b>14.2</b>		ug/Kg	11/02/18	22:24	LA	435451
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/02/18	22:24	LA	435451
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	11/02/18	22:24	LA	435451
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/02/18	22:24	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>94.7</b>		%	11/02/18	22:24	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>83.2</b>		%	11/02/18	22:24	LA	435451

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	<b>2.66</b>	x	mg/Kg	11/05/18	15:13	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	<b>81.0</b>		mg/Kg	11/05/18	15:13	AW	435466
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		<b>91.5</b>		%	11/05/18	15:13	AW	435466

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/01/18	17:55	NP	435430
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	17:55	NP	435430
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/01/18	17:55	NP	435430
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	17:55	NP	435430
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	17:55	NP	435430
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	17:55	NP	435430
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	17:55	NP	435430
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/01/18	17:55	NP	435430
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	17:55	NP	435430
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	17:55	NP	435430
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	17:55	NP	435430
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	17:55	NP	435430
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	17:55	NP	435430
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	17:55	NP	435430
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>117</b>		%	11/01/18	17:55	NP	435430
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.0</b>		%	11/01/18	17:55	NP	435430
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>109</b>		%	11/01/18	17:55	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-0.5'	<b>Lab Sample ID:</b>	1811006-001A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:12		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109029	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/01/18	17:55	NP	435430
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		85.7		%	11/01/18	17:55	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	0.17	J	mg/Kg	11/05/18	11:20	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-2'	Lab Sample ID:	1811006-002A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.62</b>	J	mg/Kg	11/05/18	13:50	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>4.73</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>225</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.520</b>	J	mg/Kg	11/05/18	13:50	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>1.00</b>	J	mg/Kg	11/05/18	13:50	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>50.5</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>15.1</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>49.4</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>111</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	13:50	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>75.5</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	13:50	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	13:50	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	13:50	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>67.5</b>		mg/Kg	11/05/18	13:50	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>155</b>		mg/Kg	11/05/18	13:50	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> WET/3010B	<b>Prep Batch Date/Time:</b> 11/12/18	2:00:00PM
<b>Prep Batch ID:</b> 1109219	<b>Prep Analyst:</b> PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	ND		mg/L	11/12/18	16:44	PPATEL	435609
Lead (STLC)	SW6010B	1	0.050	0.20	<b>4.37</b>		mg/L	11/12/18	16:44	PPATEL	435609



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 1311/3010B	<b>Prep Batch Date/Time:</b> 11/13/18 10:50:00AM
<b>Prep Batch ID:</b> 1109247	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	11/13/18	13:40	PPATEL	435632



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	<b>2.2</b>	J	ug/Kg	11/02/18	18:17	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	<b>0.68</b>	J	ug/Kg	11/02/18	18:17	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	<b>0.69</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	ND		ug/Kg	11/02/18	18:17	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	18:17	MT	435446
Fluorene	SW8270C	1	0.27	4.0	<b>0.29</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	<b>1.2</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	18:17	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	<b>0.86</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Pyrene	SW8270C	1	0.55	4.0	<b>0.88</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	<b>1.7</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Chrysene	SW8270C	1	0.49	4.0	<b>1.5</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	<b>1.1</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	<b>0.96</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	<b>0.69</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	<b>0.78</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	<b>0.72</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	<b>0.80</b>	J	ug/Kg	11/02/18	18:17	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	18:17	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	18:17	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		<b>68.8</b>		%	11/02/18	18:17	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		<b>92.2</b>		%	11/02/18	18:17	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	18:00	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>95.0</b>		%	11/02/18	18:00	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>100</b>		%	11/02/18	18:00	mk	435454





## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-2'	Lab Sample ID:	1811006-002A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:15		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	<b>0.310</b>	J	ug/Kg	11/02/18	22:37	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	<b>0.140</b>	J	ug/Kg	11/02/18	22:37	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	22:37	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	22:37	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	22:37	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>96.6</b>		%	11/02/18	22:37	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>84.5</b>		%	11/02/18	22:37	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	19:21	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	19:21	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>89.0</b>		%	11/05/18	19:21	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/01/18	18:31	NP	435430
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	18:31	NP	435430
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/01/18	18:31	NP	435430
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	18:31	NP	435430
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	18:31	NP	435430
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	18:31	NP	435430
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	18:31	NP	435430
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/01/18	18:31	NP	435430
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	18:31	NP	435430
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	18:31	NP	435430
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	18:31	NP	435430
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	18:31	NP	435430
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	18:31	NP	435430
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	18:31	NP	435430
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>121</b>		%	11/01/18	18:31	NP	435430
(S) Toluene-d8	SW8260B		55.2 - 133		<b>100</b>		%	11/01/18	18:31	NP	435430
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>109</b>		%	11/01/18	18:31	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-2'	<b>Lab Sample ID:</b>	1811006-002A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:15		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109029	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	46.8	J	ug/Kg	11/01/18	18:31	NP	435430
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		77.6		%	11/01/18	18:31	NP	435430



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-3'	<b>Lab Sample ID:</b>	1811006-003A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:17		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	9:59	BJAY	435694



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-3'	<b>Lab Sample ID:</b>	1811006-003A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:17		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/15/18	1:35:00PM
<b>Prep Batch ID:</b> 1109306	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.30</b>	J	mg/Kg	11/15/18	18:21	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	<b>4.60</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	<b>204</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	<b>0.620</b>	J	mg/Kg	11/15/18	18:21	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	<b>0.585</b>	J	mg/Kg	11/15/18	18:21	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	<b>41.7</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	<b>10.1</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	<b>28.4</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	<b>20.2</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	<b>0.0700</b>	J	mg/Kg	11/15/18	18:21	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	<b>42.7</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:21	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:21	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:21	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	<b>46.6</b>		mg/Kg	11/15/18	18:21	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	<b>73.5</b>		mg/Kg	11/15/18	18:21	PPATEL	435695



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-3'	Lab Sample ID:	1811006-003A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:17		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/14/18 9:22:00PM
Prep Batch ID: 1109265	Prep Analyst: LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
4,4-DDE	SW8081B	1	0.19	2.0	<b>0.290</b>	J	ug/Kg	11/14/18	22:33	LA	435691
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
4,4-DDT	SW8081B	1	0.13	2.0	<b>0.390</b>	J	ug/Kg	11/14/18	22:33	LA	435691
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/14/18	22:33	LA	435691
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/14/18	22:33	LA	435691
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/14/18	22:33	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>55.5</b>		%	11/14/18	22:33	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>72.7</b>		%	11/14/18	22:33	LA	435691





**SAMPLE RESULTS**

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18 3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:23	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-10'	Lab Sample ID:	1811006-005A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:33		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.19	J	mg/Kg	11/05/18	13:54	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.39		mg/Kg	11/05/18	13:54	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	142		mg/Kg	11/05/18	13:54	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.472	J	mg/Kg	11/05/18	13:54	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.725	J	mg/Kg	11/05/18	13:54	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	38.8		mg/Kg	11/05/18	13:54	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	10.4		mg/Kg	11/05/18	13:54	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	25.7		mg/Kg	11/05/18	13:54	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	6.45		mg/Kg	11/05/18	13:54	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	13:54	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	39.9		mg/Kg	11/05/18	13:54	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	13:54	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	13:54	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	13:54	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	38.8		mg/Kg	11/05/18	13:54	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	59.0		mg/Kg	11/05/18	13:54	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	1.4	J	ug/Kg	11/02/18	18:45	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.37	J	ug/Kg	11/02/18	18:45	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.45	J	ug/Kg	11/02/18	18:45	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	0.21	J	ug/Kg	11/02/18	18:45	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	0.74	J	ug/Kg	11/02/18	18:45	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.3	J	ug/Kg	11/02/18	18:45	MT	435446
Chrysene	SW8270C	1	0.49	4.0	0.91	J	ug/Kg	11/02/18	18:45	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.65	J	ug/Kg	11/02/18	18:45	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.85	J	ug/Kg	11/02/18	18:45	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.52	J	ug/Kg	11/02/18	18:45	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.52	J	ug/Kg	11/02/18	18:45	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.42	J	ug/Kg	11/02/18	18:45	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.41	J	ug/Kg	11/02/18	18:45	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	18:45	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		72.3		%	11/02/18	18:45	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		96.3		%	11/02/18	18:45	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	18:15	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>88.0</b>		%	11/02/18	18:15	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>92.0</b>		%	11/02/18	18:15	mk	435454



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS1-10'	Lab Sample ID:	1811006-005A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:33		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	<b>0.240</b>	J	ug/Kg	11/02/18	22:50	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	<b>0.0900</b>	J	ug/Kg	11/02/18	22:50	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	<b>0.180</b>	J	ug/Kg	11/02/18	22:50	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	<b>0.230</b>	J	ug/Kg	11/02/18	22:50	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	<b>0.200</b>	J	ug/Kg	11/02/18	22:50	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	22:50	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	22:50	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	22:50	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>84.4</b>		%	11/02/18	22:50	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>73.1</b>		%	11/02/18	22:50	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	19:45	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	19:45	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>67.9</b>		%	11/05/18	19:45	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/01/18	19:07	NP	435430
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	19:07	NP	435430
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/01/18	19:07	NP	435430
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	19:07	NP	435430
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	19:07	NP	435430
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/01/18	19:07	NP	435430
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/01/18	19:07	NP	435430
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109027	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/01/18	19:07	NP	435430
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/01/18	19:07	NP	435430
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	19:07	NP	435430
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/01/18	19:07	NP	435430
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/01/18	19:07	NP	435430
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/01/18	19:07	NP	435430
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/01/18	19:07	NP	435430
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>117</b>		%	11/01/18	19:07	NP	435430
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.2</b>		%	11/01/18	19:07	NP	435430
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>108</b>		%	11/01/18	19:07	NP	435430





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS1-10'	<b>Lab Sample ID:</b>	1811006-005A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:33		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/1/18	10:25:00AM
<b>Prep Batch ID:</b> 1109029	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	47.1	J	ug/Kg	11/01/18	19:07	NP	435430
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		95.0		%	11/01/18	19:07	NP	435430



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	<b>0.29</b>	J	mg/Kg	11/05/18	11:25	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS2-1'	Lab Sample ID:	1811006-007A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:57		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.07</b>	J	mg/Kg	11/05/18	13:57	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>4.26</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>206</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.550</b>	J	mg/Kg	11/05/18	13:57	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>0.710</b>	J	mg/Kg	11/05/18	13:57	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>39.8</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>10.1</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>28.5</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>102</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	<b>0.146</b>	J	mg/Kg	11/05/18	13:57	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>38.0</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	13:57	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	13:57	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	13:57	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>42.5</b>		mg/Kg	11/05/18	13:57	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>75.0</b>		mg/Kg	11/05/18	13:57	PPATEL	435455



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> WET/3010B	<b>Prep Batch Date/Time:</b> 11/12/18	2:00:00PM
<b>Prep Batch ID:</b> 1109219	<b>Prep Analyst:</b> PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (STLC)	SW6010B	1	0.050	0.20	<b>9.89</b>		mg/L	11/12/18	16:54	PPATEL	435609



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 1311/3010B	<b>Prep Batch Date/Time:</b> 11/13/18 10:50:00AM
<b>Prep Batch ID:</b> 1109247	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	11/13/18	13:44	PPATEL	435632



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	2.5	J	ug/Kg	11/02/18	19:13	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	1.3	J	ug/Kg	11/02/18	19:13	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	1.8	J	ug/Kg	11/02/18	19:13	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	0.29	J	ug/Kg	11/02/18	19:13	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	19:13	MT	435446
Fluorene	SW8270C	1	0.27	4.0	0.34	J	ug/Kg	11/02/18	19:13	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	3.1	J	ug/Kg	11/02/18	19:13	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	19:13	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	1.6	J	ug/Kg	11/02/18	19:13	MT	435446
Pyrene	SW8270C	1	0.55	4.0	1.9	J	ug/Kg	11/02/18	19:13	MT	435446
Benzo[a]anthracene	SW8270C	1	0.46	4.0	2.2	J	ug/Kg	11/02/18	19:13	MT	435446
Chrysene	SW8270C	1	0.49	4.0	2.8	J	ug/Kg	11/02/18	19:13	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	4.6		ug/Kg	11/02/18	19:13	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	1.6	J	ug/Kg	11/02/18	19:13	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	2.0	J	ug/Kg	11/02/18	19:13	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	2.8	J	ug/Kg	11/02/18	19:13	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	1.2	J	ug/Kg	11/02/18	19:13	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	2.8	J	ug/Kg	11/02/18	19:13	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	19:13	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	19:13	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		74.1		%	11/02/18	19:13	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		98.0		%	11/02/18	19:13	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	18:30	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>98.0</b>		%	11/02/18	18:30	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>104</b>		%	11/02/18	18:30	mk	435454



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS2-1'	Lab Sample ID:	1811006-007A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:57		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	<b>0.770</b>	J	ug/Kg	11/02/18	17:47	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	<b>0.600</b>	J	ug/Kg	11/02/18	17:47	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	<b>0.270</b>	J	ug/Kg	11/02/18	17:47	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	<b>0.240</b>	J	ug/Kg	11/02/18	17:47	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	<b>0.190</b>	J	ug/Kg	11/02/18	17:47	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	17:47	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	17:47	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	17:47	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>104</b>		%	11/02/18	17:47	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>95.1</b>		%	11/02/18	17:47	LA	435451





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	20:09	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	<b>10.6</b>		mg/Kg	11/05/18	20:09	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>82.4</b>		%	11/05/18	20:09	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	15:26	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	15:26	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	15:26	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	15:26	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	15:26	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	15:26	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	15:26	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	15:26	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	15:26	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	15:26	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	15:26	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	15:26	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	15:26	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	15:26	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>117</b>		%	11/02/18	15:26	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>97.8</b>		%	11/02/18	15:26	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>104</b>		%	11/02/18	15:26	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-1'	<b>Lab Sample ID:</b>	1811006-007A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	15:26	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>79.8</b>		%	11/02/18	15:26	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-2'	<b>Lab Sample ID:</b>	1811006-008A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:59		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	10:05	BJAY	435694



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS2-2'	Lab Sample ID:	1811006-008A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 9:59		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/15/18	1:35:00PM
Prep Batch ID: 1109306	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.16	J	mg/Kg	11/15/18	18:31	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	4.03		mg/Kg	11/15/18	18:31	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	193		mg/Kg	11/15/18	18:31	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	0.580	J	mg/Kg	11/15/18	18:31	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	0.550	J	mg/Kg	11/15/18	18:31	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	45.0		mg/Kg	11/15/18	18:31	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	10.5		mg/Kg	11/15/18	18:31	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	29.1		mg/Kg	11/15/18	18:31	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	20.3		mg/Kg	11/15/18	18:31	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/15/18	18:31	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	40.2		mg/Kg	11/15/18	18:31	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:31	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:31	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:31	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	47.1		mg/Kg	11/15/18	18:31	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	67.5		mg/Kg	11/15/18	18:31	PPATEL	435695



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-2'	<b>Lab Sample ID:</b>	1811006-008A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 9:59		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/14/18 9:22:00PM
<b>Prep Batch ID:</b> 1109265	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
4,4-DDE	SW8081B	3	0.58	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/14/18	22:46	LA	435691
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	11/14/18	22:46	LA	435691
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/14/18	22:46	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>66.1</b>		%	11/14/18	22:46	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>81.7</b>		%	11/14/18	22:46	LA	435691

**NOTE:** Reporting limits increased to to matrix interference.



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-3'	<b>Lab Sample ID:</b>	1811006-009A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:02		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	10:10	BJAY	435694





## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS2-3'	Lab Sample ID:	1811006-009A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:02		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/15/18	1:35:00PM
Prep Batch ID: 1109306	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.08</b>	J	mg/Kg	11/15/18	18:45	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	<b>3.48</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	<b>159</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	<b>0.481</b>	J	mg/Kg	11/15/18	18:45	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	<b>0.492</b>	J	mg/Kg	11/15/18	18:45	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	<b>40.7</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	<b>9.80</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	<b>28.1</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	<b>35.0</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/15/18	18:45	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	<b>35.2</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:45	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:45	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:45	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	<b>42.6</b>		mg/Kg	11/15/18	18:45	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	<b>61.0</b>		mg/Kg	11/15/18	18:45	PPATEL	435695



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-3'	<b>Lab Sample ID:</b>	1811006-009A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:02		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/14/18	9:22:00PM
<b>Prep Batch ID:</b> 1109265	<b>Prep Analyst:</b> LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
4,4-DDE	SW8081B	3	0.58	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/14/18	22:59	LA	435691
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	11/14/18	22:59	LA	435691
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/14/18	22:59	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>74.1</b>		%	11/14/18	22:59	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>101</b>		%	11/14/18	22:59	LA	435691

**NOTE:** Reporting limits increased to to matrix interference.



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:27	BJAY	435448



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/2/18	3:35:00PM
<b>Prep Batch ID:</b> 1109038	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.37</b>	J	mg/Kg	11/05/18	14:01	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>5.10</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>185</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.700</b>	J	mg/Kg	11/05/18	14:01	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>0.920</b>	J	mg/Kg	11/05/18	14:01	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>48.9</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>12.5</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>35.3</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>10.2</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:01	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>50.5</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:01	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:01	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:01	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>52.0</b>		mg/Kg	11/05/18	14:01	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>82.0</b>		mg/Kg	11/05/18	14:01	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	<b>1.9</b>	J	ug/Kg	11/02/18	19:41	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	<b>0.69</b>	J	ug/Kg	11/02/18	19:41	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	<b>0.69</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	<b>0.25</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	<b>0.97</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	<b>1.2</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Chrysene	SW8270C	1	0.49	4.0	<b>0.86</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	<b>0.71</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	<b>0.69</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	<b>0.45</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	<b>0.49</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	<b>0.38</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	<b>0.36</b>	J	ug/Kg	11/02/18	19:41	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	19:41	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		<b>71.4</b>		%	11/02/18	19:41	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		<b>93.8</b>		%	11/02/18	19:41	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	18:45	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>91.0</b>		%	11/02/18	18:45	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>97.0</b>		%	11/02/18	18:45	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	23:15	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	23:15	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	23:15	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>97.4</b>		%	11/02/18	23:15	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>88.0</b>		%	11/02/18	23:15	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	20:33	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	20:33	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>84.3</b>		%	11/05/18	20:33	AW	435466





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	16:02	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:02	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	16:02	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:02	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:02	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:02	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:02	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	16:02	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:02	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	16:02	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:02	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:02	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:02	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:02	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>120</b>		%	11/02/18	16:02	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>99.7</b>		%	11/02/18	16:02	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>107</b>		%	11/02/18	16:02	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-5'	<b>Lab Sample ID:</b>	1811006-010A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:05		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	45.6	J	ug/Kg	11/02/18	16:02	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		84.3		%	11/02/18	16:02	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:29	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS2-10'	Lab Sample ID:	1811006-011A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.40	J	mg/Kg	11/05/18	14:04	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.79		mg/Kg	11/05/18	14:04	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	157		mg/Kg	11/05/18	14:04	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.520	J	mg/Kg	11/05/18	14:04	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.955	J	mg/Kg	11/05/18	14:04	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	49.7		mg/Kg	11/05/18	14:04	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	12.3		mg/Kg	11/05/18	14:04	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	33.4		mg/Kg	11/05/18	14:04	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	6.50		mg/Kg	11/05/18	14:04	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:04	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	53.5		mg/Kg	11/05/18	14:04	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:04	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:04	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:04	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	46.1		mg/Kg	11/05/18	14:04	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	72.0		mg/Kg	11/05/18	14:04	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	<b>2.0</b>	J	ug/Kg	11/02/18	20:09	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	<b>0.55</b>	J	ug/Kg	11/02/18	20:09	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	<b>0.43</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Fluorene	SW8270C	1	0.27	4.0	<b>0.29</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	<b>0.80</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	<b>1.1</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Chrysene	SW8270C	1	0.49	4.0	<b>0.73</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	<b>0.58</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	<b>0.59</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	<b>0.39</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	<b>0.49</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	<b>0.48</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	<b>0.82</b>	J	ug/Kg	11/02/18	20:09	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	20:09	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		<b>73.6</b>		%	11/02/18	20:09	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		<b>99.0</b>		%	11/02/18	20:09	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	19:00	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>72.0</b>		%	11/02/18	19:00	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>76.0</b>		%	11/02/18	19:00	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	23:28	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	23:28	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	23:28	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>70.5</b>		%	11/02/18	23:28	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>64.1</b>		%	11/02/18	23:28	LA	435451





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	20:56	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	20:56	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>70.7</b>		%	11/05/18	20:56	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	16:38	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:38	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	16:38	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:38	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:38	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	16:38	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	16:38	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	16:38	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	16:38	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	16:38	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	16:38	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	16:38	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	16:38	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	16:38	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		121		%	11/02/18	16:38	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		97.9		%	11/02/18	16:38	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		106		%	11/02/18	16:38	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-10'	<b>Lab Sample ID:</b>	1811006-011A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:10		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	43.4	J	ug/Kg	11/02/18	16:38	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		85.4		%	11/02/18	16:38	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:31	BJAY	435448



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/2/18	3:35:00PM
<b>Prep Batch ID:</b> 1109038	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.30</b>	J	mg/Kg	11/05/18	14:08	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>5.30</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>186</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.615</b>	J	mg/Kg	11/05/18	14:08	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>1.03</b>	J	mg/Kg	11/05/18	14:08	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>43.8</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>12.6</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>35.0</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>9.70</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	<b>0.334</b>	J	mg/Kg	11/05/18	14:08	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>53.5</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:08	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:08	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:08	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>47.8</b>		mg/Kg	11/05/18	14:08	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>83.0</b>		mg/Kg	11/05/18	14:08	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	1.9	J	ug/Kg	11/02/18	20:37	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.49	J	ug/Kg	11/02/18	20:37	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.41	J	ug/Kg	11/02/18	20:37	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	0.19	J	ug/Kg	11/02/18	20:37	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	0.63	J	ug/Kg	11/02/18	20:37	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	J	ug/Kg	11/02/18	20:37	MT	435446
Chrysene	SW8270C	1	0.49	4.0	0.68	J	ug/Kg	11/02/18	20:37	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.53	J	ug/Kg	11/02/18	20:37	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.59	J	ug/Kg	11/02/18	20:37	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.34	J	ug/Kg	11/02/18	20:37	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.31	J	ug/Kg	11/02/18	20:37	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.34	J	ug/Kg	11/02/18	20:37	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.35	J	ug/Kg	11/02/18	20:37	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	20:37	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		70.1		%	11/02/18	20:37	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		94.9		%	11/02/18	20:37	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	19:15	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>88.0</b>		%	11/02/18	19:15	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>94.0</b>		%	11/02/18	19:15	mk	435454





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	23:41	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	23:41	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	23:41	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>85.0</b>		%	11/02/18	23:41	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>77.6</b>		%	11/02/18	23:41	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	21:20	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	21:20	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>85.6</b>		%	11/05/18	21:20	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	17:13	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:13	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	17:13	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:13	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:13	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:13	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:13	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	17:13	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:13	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	17:13	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:13	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:13	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:13	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:13	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>120</b>		%	11/02/18	17:13	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>96.7</b>		%	11/02/18	17:13	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>109</b>		%	11/02/18	17:13	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS2-18'	<b>Lab Sample ID:</b>	1811006-012A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b>	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	17:13	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		81.2		%	11/02/18	17:13	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	<b>0.20</b>	J	mg/Kg	11/05/18	11:33	BJAY	435448



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/2/18	3:35:00PM
<b>Prep Batch ID:</b> 1109038	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.42	J	mg/Kg	11/05/18	14:12	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.77		mg/Kg	11/05/18	14:12	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	325		mg/Kg	11/05/18	14:12	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.560	J	mg/Kg	11/05/18	14:12	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.870	J	mg/Kg	11/05/18	14:12	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	40.9		mg/Kg	11/05/18	14:12	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	10.5		mg/Kg	11/05/18	14:12	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	35.0		mg/Kg	11/05/18	14:12	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	865		mg/Kg	11/05/18	14:12	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	0.0555	J	mg/Kg	11/05/18	14:12	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	44.0		mg/Kg	11/05/18	14:12	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:12	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:12	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:12	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	42.6		mg/Kg	11/05/18	14:12	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	118		mg/Kg	11/05/18	14:12	PPATEL	435455



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> WET/3010B	<b>Prep Batch Date/Time:</b> 11/12/18	2:00:00PM
<b>Prep Batch ID:</b> 1109219	<b>Prep Analyst:</b> PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (STLC)	SW6010B	1	0.050	0.20	8.11		mg/L	11/12/18	16:58	PPATEL	435609





### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 1311/3010B	<b>Prep Batch Date/Time:</b> 11/13/18 10:50:00AM
<b>Prep Batch ID:</b> 1109247	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	11/13/18	13:48	PPATEL	435632



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-0.5'	Lab Sample ID:	1811006-013A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:27		
SDG:			

Prep Method: 3546_PAHSIM	Prep Batch Date/Time: 11/2/18	12:50:00PM
Prep Batch ID: 1109015	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	12		ug/Kg	11/02/18	21:05	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	15		ug/Kg	11/02/18	21:05	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	14		ug/Kg	11/02/18	21:05	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	0.66	J	ug/Kg	11/02/18	21:05	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	21:05	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	21:05	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	8.1		ug/Kg	11/02/18	21:05	MT	435446
Anthracene	SW8270C	1	0.53	4.0	1.0	J	ug/Kg	11/02/18	21:05	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	3.6	J	ug/Kg	11/02/18	21:05	MT	435446
Pyrene	SW8270C	1	0.55	4.0	3.7	J	ug/Kg	11/02/18	21:05	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	3.4	J	ug/Kg	11/02/18	21:05	MT	435446
Chrysene	SW8270C	1	0.49	4.0	4.4		ug/Kg	11/02/18	21:05	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	4.7		ug/Kg	11/02/18	21:05	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	1.7	J	ug/Kg	11/02/18	21:05	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	2.5	J	ug/Kg	11/02/18	21:05	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	2.1	J	ug/Kg	11/02/18	21:05	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.88	J	ug/Kg	11/02/18	21:05	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	2.3	J	ug/Kg	11/02/18	21:05	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	21:05	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	21:05	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		68.2		%	11/02/18	21:05	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		90.7		%	11/02/18	21:05	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	19:30	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>87.0</b>		%	11/02/18	19:30	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>94.0</b>		%	11/02/18	19:30	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	18:57	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	18:57	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	18:57	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>86.8</b>		%	11/02/18	18:57	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>81.8</b>		%	11/02/18	18:57	LA	435451

**NOTE:**



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	<b>2.06</b>	x	mg/Kg	11/05/18	21:44	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	<b>12.8</b>		mg/Kg	11/05/18	21:44	AW	435466
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		<b>84.9</b>		%	11/05/18	21:44	AW	435466

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	17:49	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:49	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	17:49	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:49	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:49	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	17:49	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	17:49	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	17:49	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	17:49	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	17:49	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	17:49	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	17:49	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	17:49	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	17:49	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>123</b>		%	11/02/18	17:49	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>101</b>		%	11/02/18	17:49	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>111</b>		%	11/02/18	17:49	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-0.5'	<b>Lab Sample ID:</b>	1811006-013A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:27		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	<b>43.0</b>		ug/Kg	11/02/18	17:49	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>78.7</b>		%	11/02/18	17:49	NP	435475





### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:36	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-2'	Lab Sample ID:	1811006-014A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.24	J	mg/Kg	11/05/18	14:15	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	3.83		mg/Kg	11/05/18	14:15	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	144		mg/Kg	11/05/18	14:15	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.555	J	mg/Kg	11/05/18	14:15	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.595	J	mg/Kg	11/05/18	14:15	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	43.0		mg/Kg	11/05/18	14:15	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	8.35		mg/Kg	11/05/18	14:15	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	25.3		mg/Kg	11/05/18	14:15	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	8.25		mg/Kg	11/05/18	14:15	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:15	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	34.2		mg/Kg	11/05/18	14:15	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:15	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:15	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:15	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	44.3		mg/Kg	11/05/18	14:15	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	60.0		mg/Kg	11/05/18	14:15	PPATEL	435455



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-2'	Lab Sample ID:	1811006-014A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:30		
SDG:			

Prep Method: 3546_PAHSIM	Prep Batch Date/Time: 11/2/18	12:50:00PM
Prep Batch ID: 1109015	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	2.1	J	ug/Kg	11/02/18	21:32	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.97	J	ug/Kg	11/02/18	21:32	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.90	J	ug/Kg	11/02/18	21:32	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	J	ug/Kg	11/02/18	21:32	MT	435446
Chrysene	SW8270C	1	0.49	4.0	0.69	J	ug/Kg	11/02/18	21:32	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.87	J	ug/Kg	11/02/18	21:32	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.78	J	ug/Kg	11/02/18	21:32	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.45	J	ug/Kg	11/02/18	21:32	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.45	J	ug/Kg	11/02/18	21:32	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.32	J	ug/Kg	11/02/18	21:32	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.39	J	ug/Kg	11/02/18	21:32	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	21:32	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		66.2		%	11/02/18	21:32	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		90.2		%	11/02/18	21:32	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	20:29	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>90.0</b>		%	11/02/18	20:29	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>96.0</b>		%	11/02/18	20:29	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/03/18	0:07	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/03/18	0:07	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/03/18	0:07	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>83.2</b>		%	11/03/18	0:07	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>73.7</b>		%	11/03/18	0:07	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	22:08	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	22:08	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>86.4</b>		%	11/05/18	22:08	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	18:25	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:25	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	18:25	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:25	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:25	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:25	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:25	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	18:25	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:25	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:25	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:25	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:25	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:25	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:25	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>122</b>		%	11/02/18	18:25	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>97.7</b>		%	11/02/18	18:25	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>110</b>		%	11/02/18	18:25	NP	435475





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-2'	<b>Lab Sample ID:</b>	1811006-014A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:30		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	45.4	J	ug/Kg	11/02/18	18:25	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		86.5		%	11/02/18	18:25	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-3'	<b>Lab Sample ID:</b>	1811006-015A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:37		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	10:16	BJAY	435694



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-3'	<b>Lab Sample ID:</b>	1811006-015A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:37		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/15/18	1:35:00PM
<b>Prep Batch ID:</b> 1109306	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>0.890</b>	J	mg/Kg	11/15/18	18:49	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	<b>4.29</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	<b>138</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	<b>0.505</b>	J	mg/Kg	11/15/18	18:49	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	<b>0.492</b>	J	mg/Kg	11/15/18	18:49	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	<b>35.6</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	<b>8.55</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	<b>22.7</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	<b>7.25</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/15/18	18:49	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	<b>34.9</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:49	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:49	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:49	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	<b>37.4</b>		mg/Kg	11/15/18	18:49	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	<b>54.0</b>		mg/Kg	11/15/18	18:49	PPATEL	435695



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-3'	<b>Lab Sample ID:</b>	1811006-015A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:37		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/14/18 9:22:00PM
<b>Prep Batch ID:</b> 1109265	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/14/18	23:12	LA	435691
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/14/18	23:12	LA	435691
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/14/18	23:12	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>67.2</b>		%	11/14/18	23:12	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>88.7</b>		%	11/14/18	23:12	LA	435691



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	<b>0.098</b>	J	mg/Kg	11/05/18	11:38	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-8'	Lab Sample ID:	1811006-017A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:44		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.36	J	mg/Kg	11/05/18	14:25	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.80		mg/Kg	11/05/18	14:25	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	212		mg/Kg	11/05/18	14:25	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.600	J	mg/Kg	11/05/18	14:25	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.775	J	mg/Kg	11/05/18	14:25	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	44.0		mg/Kg	11/05/18	14:25	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	11.3		mg/Kg	11/05/18	14:25	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	34.2		mg/Kg	11/05/18	14:25	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	9.10		mg/Kg	11/05/18	14:25	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:25	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	46.0		mg/Kg	11/05/18	14:25	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:25	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:25	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:25	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	47.0		mg/Kg	11/05/18	14:25	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	77.0		mg/Kg	11/05/18	14:25	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	10	5.1	40	5.3	J	ug/Kg	11/02/18	22:00	MT	435446
2-Methylnaphthalene	SW8270C	10	2.2	40	3.9	J	ug/Kg	11/02/18	22:00	MT	435446
1-Methylnaphthalene	SW8270C	10	1.8	40	4.7	J	ug/Kg	11/02/18	22:00	MT	435446
Acenaphthylene	SW8270C	10	1.9	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Acenaphthene	SW8270C	10	1.6	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Fluorene	SW8270C	10	2.7	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Phenanthrene	SW8270C	10	5.9	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Anthracene	SW8270C	10	5.3	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Fluoranthene	SW8270C	10	5.3	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Pyrene	SW8270C	10	5.5	40	6.6	J	ug/Kg	11/02/18	22:00	MT	435446
Benzo[a]anthracene	SW8270C	10	4.6	40	14	J	ug/Kg	11/02/18	22:00	MT	435446
Chrysene	SW8270C	10	4.9	40	14	J	ug/Kg	11/02/18	22:00	MT	435446
Benzo[b]fluoranthene	SW8270C	10	2.4	40	11	J	ug/Kg	11/02/18	22:00	MT	435446
Benzo[k]fluoranthene	SW8270C	10	2.3	40	6.7	J	ug/Kg	11/02/18	22:00	MT	435446
Benzo[a]pyrene	SW8270C	10	2.8	40	6.7	J	ug/Kg	11/02/18	22:00	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	9.2	J	ug/Kg	11/02/18	22:00	MT	435446
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	7.3	J	ug/Kg	11/02/18	22:00	MT	435446
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	15	J	ug/Kg	11/02/18	22:00	MT	435446
Hexachlorobenzene	SW8270C	10	3.6	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Pyridine	SW8270C	10	11	40	ND		ug/Kg	11/02/18	22:00	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		72.6		%	11/02/18	22:00	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		94.8		%	11/02/18	22:00	MT	435446

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-8'	Lab Sample ID:	1811006-017A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:44		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109017	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	20:44	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>92.0</b>		%	11/02/18	20:44	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>98.0</b>		%	11/02/18	20:44	mk	435454





## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS3-8'	Lab Sample ID:	1811006-017A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:44		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	0.223	J	ug/Kg	11/02/18	19:23	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	0.980	J	ug/Kg	11/02/18	19:23	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	19:23	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	19:23	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	19:23	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		93.3		%	11/02/18	19:23	LA	435451
DCBP (S)	SW8081B		38 - 135		85.9		%	11/02/18	19:23	LA	435451

NOTE:



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/05/18	22:31	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/05/18	22:31	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>92.8</b>		%	11/05/18	22:31	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	19:01	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:01	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	19:01	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:01	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:01	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:01	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:01	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	19:01	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:01	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:01	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:01	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:01	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:01	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:01	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>122</b>		%	11/02/18	19:01	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>98.0</b>		%	11/02/18	19:01	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>106</b>		%	11/02/18	19:01	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS3-8'	<b>Lab Sample ID:</b>	1811006-017A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:44		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	19:01	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>87.0</b>		%	11/02/18	19:01	NP	435475



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	<b>0.20</b>	J	mg/Kg	11/05/18	11:40	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-1'	Lab Sample ID:	1811006-019A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:57		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.09</b>	J	mg/Kg	11/05/18	14:29	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>3.52</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>175</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.440</b>	J	mg/Kg	11/05/18	14:29	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>0.645</b>	J	mg/Kg	11/05/18	14:29	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>34.9</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>9.70</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>29.7</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>151</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	<b>0.0900</b>	J	mg/Kg	11/05/18	14:29	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>34.4</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:29	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:29	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:29	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>37.4</b>		mg/Kg	11/05/18	14:29	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>98.0</b>		mg/Kg	11/05/18	14:29	PPATEL	435455



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> WET/3010B	<b>Prep Batch Date/Time:</b> 11/12/18	2:00:00PM
<b>Prep Batch ID:</b> 1109219	<b>Prep Analyst:</b> PPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (STLC)	SW6010B	1	0.050	0.20	<b>0.251</b>		mg/L	11/12/18	17:01	PPATEL	435609





### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 1311/3010B	<b>Prep Batch Date/Time:</b> 11/13/18 10:50:00AM
<b>Prep Batch ID:</b> 1109247	<b>Prep Analyst:</b> BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	11/13/18	13:51	PPATEL	435632



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	1.5	J	ug/Kg	11/02/18	22:28	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.40	J	ug/Kg	11/02/18	22:28	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.41	J	ug/Kg	11/02/18	22:28	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	0.77	J	ug/Kg	11/02/18	22:28	MT	435446
Anthracene	SW8270C	1	0.53	4.0	0.71	J	ug/Kg	11/02/18	22:28	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.1	J	ug/Kg	11/02/18	22:28	MT	435446
Chrysene	SW8270C	1	0.49	4.0	0.74	J	ug/Kg	11/02/18	22:28	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.73	J	ug/Kg	11/02/18	22:28	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.59	J	ug/Kg	11/02/18	22:28	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.38	J	ug/Kg	11/02/18	22:28	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.38	J	ug/Kg	11/02/18	22:28	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.34	J	ug/Kg	11/02/18	22:28	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.36	J	ug/Kg	11/02/18	22:28	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	22:28	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		66.2		%	11/02/18	22:28	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		89.1		%	11/02/18	22:28	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	20:58	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>88.0</b>		%	11/02/18	20:58	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>95.0</b>		%	11/02/18	20:58	mk	435454



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-1'	Lab Sample ID:	1811006-019A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 10:57		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109016	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
delta-BHC	SW8081B	3	0.47	6.0	<b>0.960</b>	J	ug/Kg	11/03/18	0:33	LA	435451
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
gamma-Chlordane	SW8081B	3	0.49	6.0	<b>0.690</b>	J	ug/Kg	11/03/18	0:33	LA	435451
alpha-Chlordane	SW8081B	3	0.52	6.0	<b>0.738</b>	J	ug/Kg	11/03/18	0:33	LA	435451
4,4-DDE	SW8081B	3	0.58	6.0	<b>1.53</b>	J	ug/Kg	11/03/18	0:33	LA	435451
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Dieldrin	SW8081B	3	0.44	6.0	<b>0.870</b>	J	ug/Kg	11/03/18	0:33	LA	435451
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/03/18	0:33	LA	435451
Chlordane	SW8081B	3	6.3	60	<b>6.98</b>	J	ug/Kg	11/03/18	0:33	LA	435451
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/03/18	0:33	LA	435451

Acceptance Limits

TCMX (S)	SW8081B		48 - 125	<b>91.5</b>		%	11/03/18	0:33	LA	435451
DCBP (S)	SW8081B		38 - 135	<b>102</b>		%	11/03/18	0:33	LA	435451

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	10	8.5	20	58.9	x	mg/Kg	11/06/18	9:17	AW	435466
TPH as Motor Oil	SW8015B	10	32	100	370		mg/Kg	11/06/18	9:17	AW	435466
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		99.6		%	11/06/18	9:17	AW	435466

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	19:36	NP	435475
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:36	NP	435475
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	19:36	NP	435475
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:36	NP	435475
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:36	NP	435475
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:36	NP	435475
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:36	NP	435475
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109079	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	19:36	NP	435475
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:36	NP	435475
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:36	NP	435475
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:36	NP	435475
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:36	NP	435475
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:36	NP	435475
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:36	NP	435475
(S) Dibromofluoromethane	SW8260B		59.8 - 148		<b>128</b>		%	11/02/18	19:36	NP	435475
(S) Toluene-d8	SW8260B		55.2 - 133		<b>104</b>		%	11/02/18	19:36	NP	435475
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		<b>128</b>		%	11/02/18	19:36	NP	435475



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-1'	<b>Lab Sample ID:</b>	1811006-019A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 10:57		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:13:00AM
<b>Prep Batch ID:</b> 1109080	<b>Prep Analyst:</b> NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	19:36	NP	435475
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>60.0</b>		%	11/02/18	19:36	NP	435475





### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-2'	<b>Lab Sample ID:</b>	1811006-020A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	10:18	BJAY	435694



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-2'	<b>Lab Sample ID:</b>	1811006-020A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/15/18	1:35:00PM
<b>Prep Batch ID:</b> 1109306	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>1.24</b>	J	mg/Kg	11/15/18	18:53	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	<b>3.68</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	<b>164</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	<b>0.488</b>	J	mg/Kg	11/15/18	18:53	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	<b>0.490</b>	J	mg/Kg	11/15/18	18:53	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	<b>37.0</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	<b>8.55</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	<b>25.2</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	<b>39.3</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/15/18	18:53	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	<b>35.0</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:53	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:53	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:53	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	<b>38.6</b>		mg/Kg	11/15/18	18:53	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	<b>69.0</b>		mg/Kg	11/15/18	18:53	PPATEL	435695



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-2'	<b>Lab Sample ID:</b>	1811006-020A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/14/18 9:22:00PM
<b>Prep Batch ID:</b> 1109265	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	11/14/18	23:25	LA	435691
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	11/14/18	23:25	LA	435691
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	11/14/18	23:25	LA	435691
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	11/14/18	23:25	LA	435691
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	11/14/18	23:25	LA	435691
alpha-Chlordane	SW8081B	10	1.7	20	ND		ug/Kg	11/14/18	23:25	LA	435691
4,4-DDE	SW8081B	10	1.9	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Dieldrin	SW8081B	10	1.5	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	11/14/18	23:25	LA	435691
4,4-DDD	SW8081B	10	5.7	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	11/14/18	23:25	LA	435691
4,4-DDT	SW8081B	10	1.3	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	11/14/18	23:25	LA	435691
Chlordane	SW8081B	10	21	200	ND		ug/Kg	11/14/18	23:25	LA	435691
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	11/14/18	23:25	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>72.1</b>		%	11/14/18	23:25	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>87.5</b>		%	11/14/18	23:25	LA	435691

**NOTE:** Reporting limits increased to to matrix interference.



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-3'	<b>Lab Sample ID:</b>	1811006-021A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:03		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/15/18	5:00:00PM
<b>Prep Batch ID:</b> 1109318	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/16/18	10:21	BJAY	435694



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-3'	Lab Sample ID:	1811006-021A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 11:03		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/15/18	1:35:00PM
Prep Batch ID: 1109306	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>0.985</b>	J	mg/Kg	11/15/18	18:56	PPATEL	435695
Arsenic	SW6010B	1	0.15	3.00	<b>3.78</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Barium	SW6010B	1	0.055	5.00	<b>140</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Beryllium	SW6010B	1	0.055	5.00	<b>0.473</b>	J	mg/Kg	11/15/18	18:56	PPATEL	435695
Cadmium	SW6010B	1	0.10	5.00	<b>0.446</b>	J	mg/Kg	11/15/18	18:56	PPATEL	435695
Chromium	SW6010B	1	0.075	5.00	<b>35.0</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Cobalt	SW6010B	1	0.070	5.00	<b>8.35</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Copper	SW6010B	1	0.20	5.00	<b>23.7</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Lead	SW6010B	1	0.10	1.30	<b>17.1</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/15/18	18:56	PPATEL	435695
Nickel	SW6010B	1	0.50	5.00	<b>32.2</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/15/18	18:56	PPATEL	435695
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/15/18	18:56	PPATEL	435695
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/15/18	18:56	PPATEL	435695
Vanadium	SW6010B	1	0.10	5.00	<b>37.0</b>		mg/Kg	11/15/18	18:56	PPATEL	435695
Zinc	SW6010B	1	0.30	5.00	<b>58.5</b>		mg/Kg	11/15/18	18:56	PPATEL	435695



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-3'	<b>Lab Sample ID:</b>	1811006-021A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:03		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/14/18 9:22:00PM
<b>Prep Batch ID:</b> 1109265	<b>Prep Analyst:</b> LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
4,4-DDE	SW8081B	3	0.58	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/14/18	23:38	LA	435691
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	11/14/18	23:38	LA	435691
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/14/18	23:38	LA	435691
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>70.0</b>		%	11/14/18	23:38	LA	435691
DCBP (S)	SW8081B		38 - 135		<b>81.5</b>		%	11/14/18	23:38	LA	435691

**NOTE:** Reporting limits increased to to matrix interference.



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:46	BJAY	435448



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-5'	Lab Sample ID:	1811006-022A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 11:06		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.15	J	mg/Kg	11/05/18	14:33	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.42		mg/Kg	11/05/18	14:33	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	172		mg/Kg	11/05/18	14:33	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.625	J	mg/Kg	11/05/18	14:33	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.755	J	mg/Kg	11/05/18	14:33	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	43.0		mg/Kg	11/05/18	14:33	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	10.8		mg/Kg	11/05/18	14:33	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	33.0		mg/Kg	11/05/18	14:33	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	7.75		mg/Kg	11/05/18	14:33	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:33	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	44.2		mg/Kg	11/05/18	14:33	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:33	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:33	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:33	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	45.7		mg/Kg	11/05/18	14:33	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	74.0		mg/Kg	11/05/18	14:33	PPATEL	435455





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	10	5.1	40	6.1	J	ug/Kg	11/02/18	22:56	MT	435446
2-Methylnaphthalene	SW8270C	10	2.2	40	5.0	J	ug/Kg	11/02/18	22:56	MT	435446
1-Methylnaphthalene	SW8270C	10	1.8	40	5.9	J	ug/Kg	11/02/18	22:56	MT	435446
Acenaphthylene	SW8270C	10	1.9	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Acenaphthene	SW8270C	10	1.6	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Fluorene	SW8270C	10	2.7	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Phenanthrene	SW8270C	10	5.9	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Anthracene	SW8270C	10	5.3	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Fluoranthene	SW8270C	10	5.3	40	7.1	J	ug/Kg	11/02/18	22:56	MT	435446
Pyrene	SW8270C	10	5.5	40	9.2	J	ug/Kg	11/02/18	22:56	MT	435446
Benz[a]anthracene	SW8270C	10	4.6	40	15	J	ug/Kg	11/02/18	22:56	MT	435446
Chrysene	SW8270C	10	4.9	40	19	J	ug/Kg	11/02/18	22:56	MT	435446
Benzo[b]fluoranthene	SW8270C	10	2.4	40	16	J	ug/Kg	11/02/18	22:56	MT	435446
Benzo[k]fluoranthene	SW8270C	10	2.3	40	9.8	J	ug/Kg	11/02/18	22:56	MT	435446
Benzo[a]pyrene	SW8270C	10	2.8	40	8.5	J	ug/Kg	11/02/18	22:56	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	10	2.2	40	12	J	ug/Kg	11/02/18	22:56	MT	435446
Dibenz[a,h]anthracene	SW8270C	10	2.7	40	10	J	ug/Kg	11/02/18	22:56	MT	435446
Benzo[g,h,i]perylene	SW8270C	10	2.7	40	25	J	ug/Kg	11/02/18	22:56	MT	435446
Hexachlorobenzene	SW8270C	10	3.6	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Pyridine	SW8270C	10	11	40	ND		ug/Kg	11/02/18	22:56	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		83.7		%	11/02/18	22:56	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		110		%	11/02/18	22:56	MT	435446

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-5'	Lab Sample ID:	1811006-022A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 11:06		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 11/2/18	12:55:00PM
Prep Batch ID: 1109017	Prep Analyst: EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	21:13	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>86.0</b>		%	11/02/18	21:13	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>90.0</b>		%	11/02/18	21:13	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
delta-BHC	SW8081B	3	0.47	6.0	<b>0.960</b>	J	ug/Kg	11/03/18	1:12	LA	435451
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
4,4-DDE	SW8081B	3	0.58	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	11/03/18	1:12	LA	435451
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	11/03/18	1:12	LA	435451
Toxaphene	SW8081B	3	26	150	ND		ug/Kg	11/03/18	1:12	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>92.0</b>		%	11/03/18	1:12	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>72.4</b>		%	11/03/18	1:12	LA	435451

**NOTE:** Sample diluted due to nature of the matrix (dark, viscous extract)



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	4.3	10	<b>53.0</b>	x	mg/Kg	11/06/18	15:02	AW	435466
TPH as Motor Oil	SW8015B	5	16	50	<b>300</b>		mg/Kg	11/06/18	15:02	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>85.1</b>		%	11/06/18	15:02	AW	435466

**NOTE:** x-Diesel value the result of overlap of Oil range into Diesel range



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18 10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	18:23	JF	435468
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:23	JF	435468
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	18:23	JF	435468
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:23	JF	435468
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:23	JF	435468
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:23	JF	435468
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:23	JF	435468
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	18:23	JF	435468
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:23	JF	435468
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:23	JF	435468
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:23	JF	435468
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:23	JF	435468
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:23	JF	435468
Naphthalene	SW8260B	1	1.7	10	5.07	J	ug/Kg	11/02/18	18:23	JF	435468
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:23	JF	435468
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:23	JF	435468
(S) Dibromofluoromethane	SW8260B		59.8 - 148		109		%	11/02/18	18:23	JF	435468
(S) Toluene-d8	SW8260B		55.2 - 133		97.8		%	11/02/18	18:23	JF	435468
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		97.6		%	11/02/18	18:23	JF	435468



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-5'	<b>Lab Sample ID:</b>	1811006-022A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:06		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109070	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	18:23	JF	435468
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>68.5</b>		%	11/02/18	18:23	JF	435468



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:48	BJAY	435448





## SAMPLE RESULTS

Report prepared for: Andy Vanskike  
Pacific States Env

Date/Time Received: 11/01/18, 2:00 pm  
Date Reported: 11/13/18

Client Sample ID:	PS4-12'	Lab Sample ID:	1811006-023A
Project Name/Location:	506 Santa Cruz, Menlo Park	Sample Matrix:	Soil
Project Number:	613102		
Date/Time Sampled:	11/01/18 / 11:11		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 11/2/18	3:35:00PM
Prep Batch ID: 1109038	Prep Analyst: VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	<b>0.975</b>	J	mg/Kg	11/05/18	14:36	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	<b>3.87</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	<b>121</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	<b>0.397</b>	J	mg/Kg	11/05/18	14:36	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	<b>0.725</b>	J	mg/Kg	11/05/18	14:36	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	<b>45.5</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	<b>10.8</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	<b>29.5</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	<b>5.20</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	11/05/18	14:36	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	<b>45.3</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:36	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:36	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:36	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	<b>42.6</b>		mg/Kg	11/05/18	14:36	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	<b>56.0</b>		mg/Kg	11/05/18	14:36	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18 12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	1.7	J	ug/Kg	11/02/18	23:24	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.49	J	ug/Kg	11/02/18	23:24	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.40	J	ug/Kg	11/02/18	23:24	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	0.22	J	ug/Kg	11/02/18	23:24	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	23:24	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	23:24	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	1.0	J	ug/Kg	11/02/18	23:24	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	23:24	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	0.69	J	ug/Kg	11/02/18	23:24	MT	435446
Pyrene	SW8270C	1	0.55	4.0	0.96	J	ug/Kg	11/02/18	23:24	MT	435446
Benzo[a]anthracene	SW8270C	1	0.46	4.0	1.5	J	ug/Kg	11/02/18	23:24	MT	435446
Chrysene	SW8270C	1	0.49	4.0	1.3	J	ug/Kg	11/02/18	23:24	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	1.1	J	ug/Kg	11/02/18	23:24	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.79	J	ug/Kg	11/02/18	23:24	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.81	J	ug/Kg	11/02/18	23:24	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.62	J	ug/Kg	11/02/18	23:24	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.46	J	ug/Kg	11/02/18	23:24	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.84	J	ug/Kg	11/02/18	23:24	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	23:24	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	23:24	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		67.1		%	11/02/18	23:24	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		90.2		%	11/02/18	23:24	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	21:28	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>87.0</b>		%	11/02/18	21:28	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>88.0</b>		%	11/02/18	21:28	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	20:28	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	20:28	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	20:28	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>90.2</b>		%	11/02/18	20:28	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>78.8</b>		%	11/02/18	20:28	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/06/18	0:30	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	<b>18.5</b>		mg/Kg	11/06/18	0:30	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>96.9</b>		%	11/06/18	0:30	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	19:22	JF	435468
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:22	JF	435468
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	19:22	JF	435468
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:22	JF	435468
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:22	JF	435468
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	19:22	JF	435468
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	19:22	JF	435468
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	19:22	JF	435468
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	19:22	JF	435468
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:22	JF	435468
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	19:22	JF	435468
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	19:22	JF	435468
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	19:22	JF	435468
Naphthalene	SW8260B	1	1.7	10	4.31	J	ug/Kg	11/02/18	19:22	JF	435468
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	19:22	JF	435468
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	19:22	JF	435468
(S) Dibromofluoromethane	SW8260B		59.8 - 148		110		%	11/02/18	19:22	JF	435468
(S) Toluene-d8	SW8260B		55.2 - 133		94.6		%	11/02/18	19:22	JF	435468
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		95.3		%	11/02/18	19:22	JF	435468



### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-12'	<b>Lab Sample ID:</b>	1811006-023A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:11		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109070	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	19:22	JF	435468
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>72.5</b>		%	11/02/18	19:22	JF	435468





### SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 7471BP	<b>Prep Batch Date/Time:</b> 11/2/18	3:25:00PM
<b>Prep Batch ID:</b> 1109037	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	11/05/18	11:51	BJAY	435448



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3050B	<b>Prep Batch Date/Time:</b> 11/2/18	3:35:00PM
<b>Prep Batch ID:</b> 1109038	<b>Prep Analyst:</b> VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Antimony	SW6010B	1	0.050	5.00	1.18	J	mg/Kg	11/05/18	14:40	PPATEL	435455
Arsenic	SW6010B	1	0.15	3.00	4.32		mg/Kg	11/05/18	14:40	PPATEL	435455
Barium	SW6010B	1	0.055	5.00	148		mg/Kg	11/05/18	14:40	PPATEL	435455
Beryllium	SW6010B	1	0.055	5.00	0.471	J	mg/Kg	11/05/18	14:40	PPATEL	435455
Cadmium	SW6010B	1	0.10	5.00	0.745	J	mg/Kg	11/05/18	14:40	PPATEL	435455
Chromium	SW6010B	1	0.075	5.00	37.4		mg/Kg	11/05/18	14:40	PPATEL	435455
Cobalt	SW6010B	1	0.070	5.00	10.4		mg/Kg	11/05/18	14:40	PPATEL	435455
Copper	SW6010B	1	0.20	5.00	29.1		mg/Kg	11/05/18	14:40	PPATEL	435455
Lead	SW6010B	1	0.10	1.30	6.20		mg/Kg	11/05/18	14:40	PPATEL	435455
Molybdenum	SW6010B	1	0.050	5.00	0.139	J	mg/Kg	11/05/18	14:40	PPATEL	435455
Nickel	SW6010B	1	0.50	5.00	47.0		mg/Kg	11/05/18	14:40	PPATEL	435455
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	11/05/18	14:40	PPATEL	435455
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	11/05/18	14:40	PPATEL	435455
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	11/05/18	14:40	PPATEL	435455
Vanadium	SW6010B	1	0.10	5.00	40.3		mg/Kg	11/05/18	14:40	PPATEL	435455
Zinc	SW6010B	1	0.30	5.00	62.5		mg/Kg	11/05/18	14:40	PPATEL	435455



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PAHSIM	<b>Prep Batch Date/Time:</b> 11/2/18	12:50:00PM
<b>Prep Batch ID:</b> 1109015	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Naphthalene	SW8270C	1	0.51	4.0	1.7	J	ug/Kg	11/02/18	23:52	MT	435446
2-Methylnaphthalene	SW8270C	1	0.22	4.0	0.48	J	ug/Kg	11/02/18	23:52	MT	435446
1-Methylnaphthalene	SW8270C	1	0.18	4.0	0.38	J	ug/Kg	11/02/18	23:52	MT	435446
Acenaphthylene	SW8270C	1	0.19	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Acenaphthene	SW8270C	1	0.16	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Fluorene	SW8270C	1	0.27	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Phenanthrene	SW8270C	1	0.59	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Anthracene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Fluoranthene	SW8270C	1	0.53	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Pyrene	SW8270C	1	0.55	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Benz[a]anthracene	SW8270C	1	0.46	4.0	1.0	J	ug/Kg	11/02/18	23:52	MT	435446
Chrysene	SW8270C	1	0.49	4.0	0.59	J	ug/Kg	11/02/18	23:52	MT	435446
Benzo[b]fluoranthene	SW8270C	1	0.24	4.0	0.52	J	ug/Kg	11/02/18	23:52	MT	435446
Benzo[k]fluoranthene	SW8270C	1	0.23	4.0	0.55	J	ug/Kg	11/02/18	23:52	MT	435446
Benzo[a]pyrene	SW8270C	1	0.28	4.0	0.39	J	ug/Kg	11/02/18	23:52	MT	435446
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.22	4.0	0.36	J	ug/Kg	11/02/18	23:52	MT	435446
Dibenz[a,h]anthracene	SW8270C	1	0.27	4.0	0.41	J	ug/Kg	11/02/18	23:52	MT	435446
Benzo[g,h,i]perylene	SW8270C	1	0.27	4.0	0.51	J	ug/Kg	11/02/18	23:52	MT	435446
Hexachlorobenzene	SW8270C	1	0.36	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Pyridine	SW8270C	1	1.1	4.0	ND		ug/Kg	11/02/18	23:52	MT	435446
Acceptance Limits											
2-Fluorobiphenyl (S)	SW8270C		45 - 125		65.6		%	11/02/18	23:52	MT	435446
p-Terphenyl-d14 (S)	SW8270C		30 - 125		88.1		%	11/02/18	23:52	MT	435446



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_PCB	<b>Prep Batch Date/Time:</b> 11/2/18 12:55:00PM
<b>Prep Batch ID:</b> 1109017	<b>Prep Analyst:</b> EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	11/02/18	21:43	mk	435454
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		<b>82.0</b>		%	11/02/18	21:43	mk	435454
DCBP (S)	SW8082A		48 - 135		<b>85.0</b>		%	11/02/18	21:43	mk	435454



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_OCP	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109016	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	11/02/18	20:40	LA	435451
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	11/02/18	20:40	LA	435451
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	11/02/18	20:40	LA	435451
Acceptance Limits											
TCMX (S)	SW8081B		48 - 125		<b>85.2</b>		%	11/02/18	20:40	LA	435451
DCBP (S)	SW8081B		38 - 135		<b>76.0</b>		%	11/02/18	20:40	LA	435451



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 3546_TPH	<b>Prep Batch Date/Time:</b> 11/2/18	12:55:00PM
<b>Prep Batch ID:</b> 1109018	<b>Prep Analyst:</b> EDORR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	11/06/18	0:53	AW	435466
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	11/06/18	0:53	AW	435466
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		<b>71.0</b>		%	11/06/18	0:53	AW	435466



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1-Dichloroethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	11/02/18	18:53	JF	435468
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:53	JF	435468
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	11/02/18	18:53	JF	435468
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:53	JF	435468
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:53	JF	435468
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	11/02/18	18:53	JF	435468
TAME	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	11/02/18	18:53	JF	435468
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468



## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109069	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	11/02/18	18:53	JF	435468
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	11/02/18	18:53	JF	435468
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:53	JF	435468
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	11/02/18	18:53	JF	435468
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	11/02/18	18:53	JF	435468
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	11/02/18	18:53	JF	435468
Naphthalene	SW8260B	1	1.7	10	4.42	J	ug/Kg	11/02/18	18:53	JF	435468
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	11/02/18	18:53	JF	435468
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	11/02/18	18:53	JF	435468
(S) Dibromofluoromethane	SW8260B		59.8 - 148		107		%	11/02/18	18:53	JF	435468
(S) Toluene-d8	SW8260B		55.2 - 133		98.6		%	11/02/18	18:53	JF	435468
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		99.6		%	11/02/18	18:53	JF	435468





## SAMPLE RESULTS

**Report prepared for:** Andy Vanskike  
Pacific States Env

**Date/Time Received:** 11/01/18, 2:00 pm  
**Date Reported:** 11/13/18

<b>Client Sample ID:</b>	PS4-22'	<b>Lab Sample ID:</b>	1811006-024A
<b>Project Name/Location:</b>	506 Santa Cruz, Menlo Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	613102		
<b>Date/Time Sampled:</b>	11/01/18 / 11:18		
<b>SDG:</b>			

<b>Prep Method:</b> 5035GRO	<b>Prep Batch Date/Time:</b> 11/2/18	10:26:00AM
<b>Prep Batch ID:</b> 1109070	<b>Prep Analyst:</b> JFORT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	11/02/18	18:53	JF	435468
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		<b>79.1</b>		%	11/02/18	18:53	JF	435468



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PAHSIM	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109015
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	11/3/2018	<b>Analytical Batch:</b>	435446
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Naphthalene	0.51	4.0	1.04	J	
2-Methylnaphthalene	0.22	4.0	0.241	J	
1-Methylnaphthalene	0.18	4.0	0.223	J	
Acenaphthylene	0.19	4.0	ND		
Acenaphthene	0.16	4.0	ND		
Fluorene	0.27	4.0	ND		
Phenanthrene	0.59	4.0	ND		
Anthracene	0.53	4.0	ND		
Fluoranthene	0.53	4.0	ND		
Pyrene	0.55	4.0	ND		
Benz[a]anthracene	0.46	4.0	0.972	J	
Chrysene	0.49	4.0	0.494	J	
Benzo[b]fluoranthene	0.24	4.0	0.429	J	
Benzo[k]fluoranthene	0.23	4.0	0.543	J	
Benzo[a]pyrene	0.28	4.0	0.355	J	
Indeno[1,2,3-cd]pyrene	0.22	4.0	0.325	J	
Dibenz[a,h]anthracene	0.27	4.0	0.353	J	
Benzo[g,h,i]perylene	0.27	4.0	0.393	J	
Hexachlorobenzene	0.36	4.0	ND		
Pyridine	1.1	4.0	ND		
2-Fluorobiphenyl (S)			73.8		
p-Terphenyl-d14 (S)			96.3		



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109016
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435451
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			91.1	
DCBP (S)			81.9	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109017
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435454
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			109	
DCBP (S)			115	



### MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_TPH	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109018
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435466
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			85.0	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/01/18	<b>Prep Batch:</b>	1109027
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/1/2018	<b>Analytical Batch:</b>	435430
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/01/18	<b>Prep Batch:</b>	1109027
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/1/2018	<b>Analytical Batch:</b>	435430
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	1.7	10	ND	
(S) Dibromofluoromethane			114	
(S) Toluene-d8			97.0	
(S) 4-Bromofluorobenzene			106	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/01/18	<b>Prep Batch:</b>	1109029
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/1/2018	<b>Analytical Batch:</b>	435430
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	47	J
(S) 4-Bromofluorobenzene			104	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109037
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435448
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109038
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435455
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Antimony	0.050	5.00	0.21	J	
Arsenic	0.15	1.30	ND		
Barium	0.055	5.00	ND		
Beryllium	0.055	5.00	ND		
Cadmium	0.10	5.00	ND		
Chromium	0.075	5.00	0.082	J	
Cobalt	0.070	5.00	ND		
Copper	0.20	5.00	ND		
Lead	0.10	1.30	ND		
Molybdenum	0.050	5.00	0.23	J	
Nickel	0.50	5.00	ND		
Selenium	0.22	5.00	ND		
Silver	0.15	5.00	ND		
Thallium	0.20	5.00	ND		
Vanadium	0.10	5.00	ND		
Zinc	0.30	5.00	ND		



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109069
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	





## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109069
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
n-Propylbenzene	1.6	10	ND		
Bromobenzene	1.8	10	ND		
1,1,2,2-Tetrachloroethane	1.9	10	ND		
2-Chlorotoluene	1.8	10	ND		
1,3,5-Trimethylbenzene	1.6	10	ND		
1,2,3-Trichloropropane	1.9	10	ND		
4-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.6	10	ND		
1,2,4-Trimethylbenzene	1.4	10	ND		
sec-Butyl Benzene	1.6	10	ND		
p-Isopropyltoluene	1.5	10	ND		
1,3-Dichlorobenzene	1.7	10	ND		
1,4-Dichlorobenzene	1.7	10	ND		
n-Butylbenzene	1.5	10	ND		
1,2-Dichlorobenzene	1.8	10	ND		
1,2-Dibromo-3-Chloropropane	1.8	10	ND		
Hexachlorobutadiene	1.4	10	ND		
1,2,4-Trichlorobenzene	1.5	10	ND		
Naphthalene	1.7	10	4.3	J	
1,2,3-Trichlorobenzene	1.7	10	ND		
2-Butanone	1.7	10	ND		
(S) Dibromofluoromethane			101		
(S) Toluene-d8			101		
(S) 4-Bromofluorobenzene			99.7		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109070
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	43	100	ND		
(S) 4-Bromofluorobenzene			91.7		



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	1.7	10	ND	
(S) Dibromofluoromethane			108	
(S) Toluene-d8			99.5	
(S) 4-Bromofluorobenzene			102	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	120	1000	ND	
Chloromethane	180	1000	ND	
Vinyl Chloride	200	1000	ND	
Bromomethane	270	1000	ND	
Chloroethane	300	1000	ND	
Trichlorofluoromethane	210	1000	ND	
1,1-Dichloroethene	200	1000	ND	
Freon 113	190	1000	ND	
Methylene Chloride	710	1000	ND	
trans-1,2-Dichloroethene	210	1000	ND	
MTBE	230	1000	ND	
tert-Butanol	1200	5000	ND	
Diisopropyl ether (DIPE)	230	1000	ND	
1,1-Dichloroethane	220	1000	ND	
ETBE	230	1000	ND	
cis-1,2-Dichloroethene	220	1000	ND	
2,2-Dichloropropane	190	1000	ND	
Bromochloromethane	230	1000	ND	
Chloroform	240	1000	ND	
Carbon Tetrachloride	210	1000	ND	
1,1,1-Trichloroethane	210	1000	ND	
1,1-Dichloropropene	200	1000	ND	
Benzene	220	1000	ND	
TAME	230	1000	ND	
1,2-Dichloroethane	230	1000	ND	
Trichloroethylene	180	1000	ND	
Dibromomethane	180	1000	ND	
1,2-Dichloropropane	190	1000	ND	
Bromodichloromethane	200	1000	ND	
cis-1,3-Dichloropropene	160	1000	ND	
Toluene	180	1000	ND	
Tetrachloroethylene	170	1000	ND	
trans-1,3-Dichloropropene	160	1000	ND	
1,1,2-Trichloroethane	180	1000	ND	
Dibromochloromethane	190	1000	ND	
1,3-Dichloropropane	180	1000	ND	
1,2-Dibromoethane	180	1000	ND	
Chlorobenzene	180	1000	ND	
Ethyl Benzene	170	1000	ND	
1,1,1,2-Tetrachloroethane	190	1000	ND	
m,p-Xylene	320	1000	ND	
o-Xylene	170	1000	ND	
Styrene	160	1000	ND	
Bromoform	170	1000	ND	
Isopropyl Benzene	160	1000	ND	



### MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	160	1000	ND	
Bromobenzene	180	1000	ND	
1,1,2,2-Tetrachloroethane	190	1000	ND	
2-Chlorotoluene	180	1000	ND	
1,3,5-Trimethylbenzene	160	1000	ND	
1,2,3-Trichloropropane	190	1000	ND	
4-Chlorotoluene	160	1000	ND	
tert-Butylbenzene	160	1000	ND	
1,2,4-Trimethylbenzene	140	1000	ND	
sec-Butyl Benzene	160	1000	ND	
p-Isopropyltoluene	150	1000	ND	
1,3-Dichlorobenzene	170	1000	ND	
1,4-Dichlorobenzene	170	1000	ND	
n-Butylbenzene	150	1000	ND	
1,2-Dichlorobenzene	180	1000	ND	
1,2-Dibromo-3-Chloropropane	180	1000	ND	
Hexachlorobutadiene	140	1000	ND	
1,2,4-Trichlorobenzene	150	1000	ND	
Naphthalene	170	1000	ND	
1,2,3-Trichlorobenzene	170	1000	ND	
2-Butanone	170	1000	ND	
(S) Dibromofluoromethane			105	
(S) Toluene-d8			99.9	
(S) 4-Bromofluorobenzene			101	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109080
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	51	J
(S) 4-Bromofluorobenzene			101	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	11/12/18	<b>Prep Batch:</b>	1109219
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/12/2018	<b>Analytical Batch:</b>	435609
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.031	
Lead (STLC)	0.050	0.20	0.055	



## MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	1311/3010B	<b>Prep Date:</b>	11/13/18	<b>Prep Batch:</b>	1109247
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/13/2018	<b>Analytical Batch:</b>	435632
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (TCLP)	0.010	0.20	ND	
Lead (TCLP)	0.050	0.20	ND	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	11/14/18	<b>Prep Batch:</b>	1109265
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	11/14/2018	<b>Analytical Batch:</b>	435691
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			73.9	
DCBP (S)			100	



### MB Summary Report

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109306
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/15/2018	<b>Analytical Batch:</b>	435695
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	0.25	J
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	0.085	J
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.083	J
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.13	J
Molybdenum	0.050	5.00	0.17	J
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.20	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	ND	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109318
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/16/2018	<b>Analytical Batch:</b>	435694
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PAHSIM	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109015
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	11/3/2018	<b>Analytical Batch:</b>	435446
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Acenaphthene	0.16	4.0	1.04	200.0	94.5	93.2	1.60	45 - 125	30	
Pyrene	0.55	4.0	0.241	200.0	107	105	1.41	45 - 125	30	
2-Fluorobiphenyl (S)				2778	77.0	74.9		45 - 125		
p-Terphenyl-d14 (S)				2778	96.8	97.6		30 - 125		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109016
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435451
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	86.4	85.7	0.581	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	81.3	80.8	0.617	40 - 130	30	
Aldrin	0.20	2.0	ND	40	80.4	79.8	0.625	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	77.2	76.7	0.649	60 - 130	30	
Endrin	0.19	2.0	ND	40	79.4	78.0	1.90	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	84.5	83.1	1.79	45 - 140	30	
TCMX (S)				100	80.4	77.7		48 - 125		
DCBP (S)				100	73.1	71.1		38 - 135		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109017
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435454
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	133	140	4.89	25 - 145	30	
Aroclor1260	36	100	ND	600	129	138	6.12	30 - 145	30	
TCMX (S)				0.10	105	111		48 - 125		
DCBP (S)				0.10	130	135		48 - 135		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_TPH	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109018
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435466
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	78.1	78.2	0.512	52 - 115	30	
Pentacosane (S)				200	84.2	87.0		59 - 129		





## LCS/LCSD Summary Report

*Raw values are used in quality control assessment*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/01/18	<b>Prep Batch:</b>	1109027
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/1/2018	<b>Analytical Batch:</b>	435430
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	104	101	3.11	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	110	109	1.10	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	95.2	94.6	0.632	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	99.2	96.8	2.45	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	101	101	0.396	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	113	112		59.8 - 148		
(S) Toluene-d8				50.0	99.5	98.9		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	101	99.1		55.8 - 141		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/01/18	<b>Prep Batch:</b>	1109029
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/1/2018	<b>Analytical Batch:</b>	435430
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	47	1000	99.9	101	1.10	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	104	103		43.9 - 127		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109037
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435448
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	91.1	91.3	0.000	80 - 120	30	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109038
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435455
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.21	50	107	102	4.78	80 - 120	30	
Arsenic	0.15	1.30	ND	50	105	101	3.88	80 - 120	30	
Barium	0.055	5.00	ND	50	112	108	3.64	80 - 120	30	
Beryllium	0.055	5.00	ND	50	110	106	3.70	80 - 120	30	
Cadmium	0.10	5.00	ND	50	106	103	2.87	80 - 120	30	
Chromium	0.075	5.00	0.082	50	113	109	3.60	80 - 120	30	
Cobalt	0.070	5.00	ND	50	111	107	3.67	80 - 120	30	
Copper	0.20	5.00	ND	50	115	111	3.54	80 - 120	30	
Lead	0.10	3.00	ND	50	109	105	3.74	80 - 120	30	
Molybdenum	0.050	5.00	0.23	50	113	110	2.69	80 - 120	30	
Nickel	0.50	5.00	ND	50	110	106	3.70	80 - 120	30	
Selenium	0.22	5.00	ND	50	96.4	93.3	3.16	80 - 120	30	
Silver	0.15	5.00	ND	50	107	103	3.81	80 - 120	30	
Thallium	0.20	5.00	ND	50	108	104	3.77	80 - 120	30	
Vanadium	0.10	5.00	ND	50	113	109	3.60	80 - 120	30	
Zinc	0.30	5.00	ND	50	103	99.5	3.36	80 - 120	30	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109069
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	88.3	91.0	2.90	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	99.6	101	1.40	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	102	102	0.000	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	98.2	103	5.16	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	95.3	98.1	3.10	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	91.6	94.5		59.8 - 148		
(S) Toluene-d8				50.0	93.6	99.6		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	95.0	100		55.8 - 141		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109070
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	ND	1000	111	93.9	16.7	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.8	93.2		43.9 - 127		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	102	103	1.76	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	110	113	3.41	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	95.5	96.6	1.04	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	99.8	98.9	1.01	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	101	102	1.18	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	107	112		59.8 - 148		
(S) Toluene-d8				50.0	99.4	98.2		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	101	97.0		55.8 - 141		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035GRO	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109080
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	51	1000	103	103	0.000	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	106	109		43.9 - 127		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	11/12/18	<b>Prep Batch:</b>	1109219
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/12/2018	<b>Analytical Batch:</b>	435609
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.031	10	95.9	97.4	1.55	80 - 120	20	
Lead (STLC)	0.050	0.20	0.055	10	89.3	89.9	0.670	80 - 120	20	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	1311/3010B	<b>Prep Date:</b>	11/13/18	<b>Prep Batch:</b>	1109247
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/13/2018	<b>Analytical Batch:</b>	435632
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (TCLP)	0.010	0.20	ND	10	98.0	98.5	0.509	80 - 120	20	
Lead (TCLP)	0.050	0.20	ND	10	98.4	98.8	0.406	80 - 120	20	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	11/14/18	<b>Prep Batch:</b>	1109265
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	11/14/2018	<b>Analytical Batch:</b>	435691
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	77.5	78.8	1.60	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	71.7	72.6	1.04	40 - 130	30	
Aldrin	0.20	2.0	ND	40	73.0	74.0	1.36	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	72.0	73.1	1.38	60 - 130	30	
Endrin	0.19	2.0	ND	40	74.8	76.0	1.66	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	78.6	82.1	4.04	45 - 140	30	
TCMX (S)				100	76.5	76.8		48 - 125		
DCBP (S)				100	101	105		38 - 135		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109306
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/15/2018	<b>Analytical Batch:</b>	435695
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.25	50	93.9	97.1	3.35	80 - 120	30	
Arsenic	0.15	1.30	ND	50	91.5	93.0	1.52	80 - 120	30	
Barium	0.055	5.00	0.085	50	99.5	102	2.38	80 - 120	30	
Beryllium	0.055	5.00	ND	50	96.5	98.7	2.25	80 - 120	30	
Cadmium	0.10	5.00	ND	50	93.4	95.4	2.12	80 - 120	30	
Chromium	0.075	5.00	0.083	50	99.3	102	2.58	80 - 120	30	
Cobalt	0.070	5.00	ND	50	97.4	99.9	2.63	80 - 120	30	
Copper	0.20	5.00	ND	50	100	104	3.92	80 - 120	30	
Lead	0.10	3.00	0.13	50	95.2	96.7	1.67	80 - 120	30	
Molybdenum	0.050	5.00	0.17	50	99.8	103	3.16	80 - 120	30	
Nickel	0.50	5.00	ND	50	95.9	98.5	2.67	80 - 120	30	
Selenium	0.22	5.00	ND	50	85.9	86.8	0.926	80 - 120	30	
Silver	0.15	5.00	ND	50	94.5	97.1	2.71	80 - 120	30	
Thallium	0.20	5.00	ND	50	93.8	96.1	2.53	80 - 120	30	
Vanadium	0.10	5.00	ND	50	100	103	2.96	80 - 120	30	
Zinc	0.30	5.00	ND	50	90.4	92.4	2.19	80 - 120	30	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109318
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/16/2018	<b>Analytical Batch:</b>	435694
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	86.3	85.8	0.930	80 - 120	30	



## MS/MSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PAHSIM	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109015
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8270C	<b>Analyzed Date:</b>	11/3/2018	<b>Analytical Batch:</b>	435446
<b>Spiked Sample:</b>	1811006-024A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Acenaphthene	0.162	3.96	ND	200.0	88.3	91.0	2.79	45 - 125	30	
Pyrene	0.549	3.96	ND	200.0	99.8	103	3.44	45 - 125	30	
2-Fluorobiphenyl (S)				2778	72.9	74.5	2.17	45 - 125		
p-Terphenyl-d14 (S)				2778	96.1	98.3	2.26	30 - 125		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_OCP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109016
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8081B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435451
<b>Spiked Sample:</b>	1811006-014A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	98.3	92.5	6.03	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	96.1	90.2	6.17	40 - 130	30	
Aldrin	0.195	2.00	ND	40	92.8	87.6	5.83	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	89.0	83.8	6.08	60 - 130	30	
Endrin	0.188	2.00	ND	40	97.5	91.8	6.08	55 - 135	30	
4,4-DDT	0.129	2.00	ND	40	96.0	91.0	5.33	45 - 140	30	
TCMX (S)				100	91.9	86.9		48 - 125		
DCBP (S)				100	80.0	76.1		38 - 135		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_PCB	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109017
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8082A	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435454
<b>Spiked Sample:</b>	1811006-011A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53.0	100	ND	600	104	104	0.632	25 - 145	30	
Aroclor1260	36.0	100	ND	600	99.0	98.5	0.506	30 - 145	30	
TCMX (S)				0.10	79.0	77.0		48 - 125		
DCBP (S)				0.10	91.0	89.0		48 - 135		



## MS/MSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3546_TPH	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109018
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B	<b>Analyzed Date:</b>	11/6/2018	<b>Analytical Batch:</b>	435466
<b>Spiked Sample:</b>	1811006-011A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.850	2.00	ND	25.0	63.8	73.1	13.1	52 - 115	30	
Pentacosane (S)				200	75.2	84.6		59 - 129		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109037
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/5/2018	<b>Analytical Batch:</b>	435448
<b>Spiked Sample:</b>	1811006-001A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	0.530	1.25	89.5	84.1	4.33	75 - 125	30	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109038
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/05/2018	<b>Analytical Batch:</b>	435455
<b>Spiked Sample:</b>	1811006-001A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	67.8	69.2	1.92	30.7 - 130	30	
Arsenic	0.15	1.30	3.69	50	91.4	89.6	1.84	71.0 - 121	30	
Barium	0.055	5.00	210	50	0	0	15.9	70.2 - 130	30	NR
Beryllium	0.055	5.00	ND	50	89.4	89.2	0.222	73.3 - 115	30	
Cadmium	0.10	5.00	ND	50	82.7	82.5	0.235	80.0 - 110	30	
Chromium	0.075	5.00	67.5	50	88.0	84.0	1.80	76.0 - 116	30	
Cobalt	0.070	5.00	20.0	50	83.0	84.0	0.810	57.4 - 122	30	
Copper	0.20	5.00	77.0	50	106	100	2.33	74.8 - 119	30	
Lead	0.10	3.00	274	50	0	0	20.6	57.9 - 118	30	NR
Molybdenum	0.050	5.00	ND	50	89.6	87.6	2.26	62.9 - 123	30	
Nickel	0.50	5.00	69.0	50	93.0	74.0	9.01	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	74.4	75.4	1.34	62.0 - 111	30	
Silver	0.15	5.00	ND	50	97.1	95.2	2.08	81.1 - 109	30	
Thallium	0.20	5.00	ND	50	75.7	76.0	0.506	39.2 - 125	30	
Vanadium	0.10	5.00	78.5	50	91.0	88.0	0.810	65.8 - 122	30	
Zinc	0.30	5.00	242	50	0	0	5.35	59.9 - 122	30	NR



## MS/MSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109069
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435468
<b>Spiked Sample:</b>	1811006-023A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	99.1	94.7	4.54	55 - 125	30	
Benzene	2.2	10	ND	50	111	108	2.93	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	105	102	2.70	55 - 125	30	
Toluene	1.8	10	ND	50	107	101	5.18	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	104	97.8	5.75	55 - 125	30	
(S) Dibromofluoromethane				50	104	103		59.8 - 148		
(S) Toluene-d8				50	103	95.1		55.2 - 133		
(S) 4-Bromofluorobenzene				50	105	99.1		55.8 - 141		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	11/02/18	<b>Prep Batch:</b>	1109079
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	11/2/2018	<b>Analytical Batch:</b>	435475
<b>Spiked Sample:</b>	1811006-019A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	102	98.2	3.80	55 - 125	30	
Benzene	2.2	10	ND	50	114	112	1.95	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	88.6	88.6	0.000	55 - 125	30	
Toluene	1.8	10	ND	50	101	101	0.593	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	98.0	97.9	0.204	55 - 125	30	
(S) Dibromofluoromethane				50	121	118		59.8 - 148		
(S) Toluene-d8				50	104	102		55.2 - 133		
(S) 4-Bromofluorobenzene				50	116	120		55.8 - 141		

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	11/12/18	<b>Prep Batch:</b>	1109219
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/12/2018	<b>Analytical Batch:</b>	435609
<b>Spiked Sample:</b>	1811006-001A						
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0100	0.200	0.259	10	93.6	90.4	3.38	75 - 125	20	
Lead (STLC)	0.0500	0.200	16.4	10	80.0	74.0	2.49	75 - 125	20	S



## MS/MSD Summary Report

*Raw values are used in quality control assessments*

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	3050B	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109306
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	11/15/2018	<b>Analytical Batch:</b>	435695
<b>Spiked Sample:</b>	1811006-003A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	75.8	77.1	1.77	30.7 - 130	30	
Arsenic	0.15	1.30	4.60	50	90.8	89.4	1.41	71.0 - 121	30	
Barium	0.055	5.00	204	50	0	0	4.27	70.2 - 130	30	NR
Beryllium	0.055	5.00	ND	50	91.3	89.7	1.74	73.3 - 115	30	
Cadmium	0.10	5.00	ND	50	84.3	82.7	1.89	80.0 - 110	30	
Chromium	0.075	5.00	41.7	50	91.6	92.6	0.570	76.0 - 116	30	
Cobalt	0.070	5.00	10.1	50	86.8	84.8	1.89	57.4 - 122	30	
Copper	0.20	5.00	28.4	50	98.2	100	1.28	74.8 - 119	30	
Lead	0.10	3.00	20.2	50	94.6	104	6.45	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	91.9	90.5	1.53	62.9 - 123	30	
Nickel	0.50	5.00	42.7	50	85.6	81.6	2.37	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	78.4	76.4	2.58	62.0 - 111	30	
Silver	0.15	5.00	ND	50	98.2	97.4	0.818	81.1 - 109	30	
Thallium	0.20	5.00	ND	50	80.3	78.2	2.71	39.2 - 125	30	
Vanadium	0.10	5.00	46.6	50	95.8	95.8	0.000	65.8 - 122	30	
Zinc	0.30	5.00	73.5	50	94.0	92.0	0.830	59.9 - 122	30	

<b>Work Order:</b>	1811006	<b>Prep Method:</b>	7471BP	<b>Prep Date:</b>	11/15/18	<b>Prep Batch:</b>	1109318
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471B	<b>Analyzed Date:</b>	11/16/2018	<b>Analytical Batch:</b>	435694
<b>Spiked Sample:</b>	1811006-003A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	84.0	87.0	3.67	75 - 125	30	





## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
<b>Duplicate</b> - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ)</b> - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
<b>Tentatively Identified Compound (TIC)</b> - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m3</b> , <b>mg/m3</b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<b>B</b> - Indicates when the analyte is found in the associated method or preparation blank
<b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample
<b>E</b> - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
<b>H</b> - Indicates that the recommended holding time for the analyte or compound has been exceeded
<b>J</b> - Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
<b>NA</b> - Not Analyzed
<b>N/A</b> - Not Applicable
<b>ND</b> - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
<b>NR</b> - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
<b>R</b> - The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
<b>S</b> - Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
<b>X</b> -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



## Sample Receipt Checklist

Client Name: Pacific States Env

Project Name: 506 Santa Cruz, Menlo Park

Work Order No.: 1811006

Date and Time Received: 11/1/2018 2:00:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

### Chain of Custody (COC) Information

Chain of custody present? Yes  
Chain of custody signed when relinquished and received? Yes  
Chain of custody agrees with sample labels? Yes  
Custody seals intact on sample bottles? Not Present

### Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present  
Shipping Container/Cooler In Good Condition? Yes  
Samples in proper container/bottle? Yes  
Samples containers intact? Yes  
Sufficient sample volume for indicated test? Yes

### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  
Container/Temp Blank temperature in compliance? Temperature: 13.0 °C  
Water-VOA vials have zero headspace? No VOA vials submitted  
Water-pH acceptable upon receipt? N/A  
pH Checked by: N/A pH Adjusted by: N/A

### Comments:

Sample chilling begun



## Login Summary Report

**Client ID:** TL5343 Pacific States Env  
**Project Name:** 506 Santa Cruz, Menlo Park  
**Project # :** 613102  
**Report Due Date:** 11/16/2018

**QC Level:** II  
**TAT Requested:** 5+ day:5  
**Date Received:** 11/1/2018  
**Time Received:** 2:00 pm

**Comments:**

**Work Order # :** 1811006

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subt</u>
1811006-001A	PS1-0.5'	11/01/18 9:12	Soil	04/30/19			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
<b>Sample Note:</b> VOCs/TPHg; SIM (PAHs+Pyridine+Hexachlorobenzene); TPHd/mo; OCPs; PCBs; CAM17. **Report to MDL								
1811006-002A	PS1-2'	11/01/18 9:15	Soil	04/30/19			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
1811006-003A	PS1-3'	11/01/18 9:17	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	
1811006-004A	PS1-5'	11/01/18 9:25	Soil	04/30/19			Hold Samples	
1811006-005A	PS1-10'	11/01/18 9:33	Soil	04/30/19			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES	



## Login Summary Report

**Client ID:** TL5343 Pacific States Env  
**Project Name:** 506 Santa Cruz, Menlo Park  
**Project # :** 613102  
**Report Due Date:** 11/16/2018

**QC Level:** II  
**TAT Requested:** 5+ day:5  
**Date Received:** 11/1/2018  
**Time Received:** 2:00 pm

**Comments:**

**Work Order # :** 1811006

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subt</u>
1811006-006A	PS1-20'	11/01/18 9:44	Soil	04/30/19			Met_S_6010B CAM17	
1811006-007A	PS2-1'	11/01/18 9:57	Soil	04/30/19			Hold Samples	
1811006-008A	PS2-2'	11/01/18 9:59	Soil	04/30/19			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
1811006-009A	PS2-3'	11/01/18 10:02	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	
1811006-010A	PS2-5'	11/01/18 10:05	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	
1811006-011A	PS2-10'	11/01/18 10:10	Soil	04/30/19			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
							Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod )	



## Login Summary Report

**Client ID:** TL5343 Pacific States Env  
**Project Name:** 506 Santa Cruz, Menlo Park  
**Project # :** 613102  
**Report Due Date:** 11/16/2018

**QC Level:** II  
**TAT Requested:** 5+ day:5  
**Date Received:** 11/1/2018  
**Time Received:** 2:00 pm

**Comments:**

**Work Order # :** 1811006

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subt</u>
1811006-012A	PS2-18'	11/01/18 10:18	Soil	04/30/19			Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17  Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
1811006-013A	PS3-0.5'	11/01/18 10:27	Soil	04/30/19			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
1811006-014A	PS3-2'	11/01/18 10:30	Soil	04/30/19			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	
1811006-015A	PS3-3'	11/01/18 10:37	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	



## Login Summary Report

**Client ID:** TL5343 Pacific States Env  
**Project Name:** 506 Santa Cruz, Menlo Park  
**Project # :** 613102  
**Report Due Date:** 11/16/2018

**QC Level:** II  
**TAT Requested:** 5+ day:5  
**Date Received:** 11/1/2018  
**Time Received:** 2:00 pm

**Comments:**

**Work Order # :** 1811006

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subt</u>
1811006-016A	PS3-5'	11/01/18 10:40	Soil	04/30/19			Hold Samples	
1811006-017A	PS3-8'	11/01/18 10:44	Soil	04/30/19			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Sub_Asb CARB435 A Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	Yes
1811006-018A	PS3-15'	11/01/18 10:49	Soil	04/30/19			Hold Samples	
1811006-019A	PS4-1'	11/01/18 10:57	Soil	04/30/19			Hg_S_7471B Met_S_CAM17TCLP Met_S_CAM17STLC VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod ) Sub_Asb CARB435 A Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17	Yes
1811006-020A	PS4-2'	11/01/18 11:00	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	
1811006-021A	PS4-3'	11/01/18 11:03	Soil	04/30/19			Hold Samples Pest_S_8081OCP Met_S_6010B CAM17 Hg_S_7471B	
1811006-022A	PS4-5'	11/01/18 11:06	Soil	04/30/19			Hg_S_7471B VOC_S_GRO VOC_S_8260B	



## Login Summary Report

**Client ID:** TL5343 Pacific States Env  
**Project Name:** 506 Santa Cruz, Menlo Park  
**Project # :** 613102  
**Report Due Date:** 11/16/2018

**QC Level:** II  
**TAT Requested:** 5+ day:5  
**Date Received:** 11/1/2018  
**Time Received:** 2:00 pm

**Comments:**

**Work Order # :** 1811006

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subt</u>
1811006-023A	PS4-12'	11/01/18 11:11	Soil	04/30/19			TPHDO_S_8015(Mod ) Pest_S_8081OCP PCBs_S_8082A PAHSIM_S_EXT_PES Met_S_6010B CAM17  Hg_S_7471B Met_S_6010B CAM17 PAHSIM_S_EXT_PES PCBs_S_8082A Pest_S_8081OCP TPHDO_S_8015(Mod ) VOC_S_8260B VOC_S_GRO	
1811006-024A	PS4-22'	11/01/18 11:18	Soil	04/30/19			Hg_S_7471B Met_S_6010B CAM17 PAHSIM_S_EXT_PES PCBs_S_8082A Pest_S_8081OCP Sub_Asb CARB435 A Yes TPHDO_S_8015(Mod ) VOC_S_8260B VOC_S_GRO	



Chain of Custody Record

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1811006



Company: Pacific States Environmental Contractors		Project Name: 506 Santa Cruz		Sampled By: Andy Vanskike		Report To: Pacific States Soil Management datareview@pacificstates.net																	
11555 Dublin Blvd Dublin, CA Phone: 925-803-4333 Fax: 925-803-4334		Project Location: Menlo Park		Signature: <i>[Signature]</i>		Date: 11/1/2018																	
Project Manager: Andy Vanskike		Job Number: 613102		<table border="1"> <tr> <td>Filtered Sample</td> <td>VOCS + TPH-G (EPA 8260)</td> <td>TPH-D/MO (EPA 8015B)</td> <td>TPH-D/MO w/ SG Cleanup (EPA 3630M)</td> <td>SVOC (full list) (EPA 8270C)</td> <td>PAH (EPA 8270C SIM) SIM list only</td> <td>Pesticides (EPA 8081A)</td> <td>PCBs (EPA 8082)</td> <td>CAM 17 (EPA 6010B)</td> <td>Asbestos CARB-435 A</td> </tr> </table>		Filtered Sample	VOCS + TPH-G (EPA 8260)	TPH-D/MO (EPA 8015B)	TPH-D/MO w/ SG Cleanup (EPA 3630M)	SVOC (full list) (EPA 8270C)	PAH (EPA 8270C SIM) SIM list only	Pesticides (EPA 8081A)	PCBs (EPA 8082)	CAM 17 (EPA 6010B)	Asbestos CARB-435 A	<table border="1"> <tr> <td colspan="2">Please <b>DO NOT</b> mail hardcopies of reports or invoices</td> </tr> <tr> <td colspan="2">Phone: 925-967-5020</td> </tr> <tr> <td colspan="2">Sample Specific Notes:</td> </tr> </table>		Please <b>DO NOT</b> mail hardcopies of reports or invoices		Phone: 925-967-5020		Sample Specific Notes:	
Filtered Sample	VOCS + TPH-G (EPA 8260)	TPH-D/MO (EPA 8015B)	TPH-D/MO w/ SG Cleanup (EPA 3630M)			SVOC (full list) (EPA 8270C)	PAH (EPA 8270C SIM) SIM list only	Pesticides (EPA 8081A)	PCBs (EPA 8082)	CAM 17 (EPA 6010B)	Asbestos CARB-435 A												
Please <b>DO NOT</b> mail hardcopies of reports or invoices																							
Phone: 925-967-5020																							
Sample Specific Notes:																							
E-Mail: avanskike@pacificstates.net		Matrix																					
Sample Identification		Sample Date	Sample Time	# of Containers	Preservative	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other												
001A	PS1-0.5'	11/1	0912	1	ice					X													
002A	PS1-2'		0915																				
003A	PS1-3'		0917																				
004A	PS1-5'		0925																				
005A	PS1-10'		0933																				
006A	PS1-20'		0944																				
007A	PS2-1'		0957																				
008A	PS2-2'		0959																				
009A	PS2-3'		1002																				
010A	PS2-5'		1005																				
011A	PS2-10'		1010																				
012A	PS2-18'		1018																				
Preservatives: Ice, HCl, H2SO4, HNO3, NaOH				TURN AROUND TIME																			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B1 <input type="checkbox"/> Unknown				<input checked="" type="checkbox"/> 5 Days (standard) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Other																			
Special Instructions/QC Requirements & Comments: Please include hexachlorobenzene/pyridine with PAH. Report all to MDL.				Laboratory Comments:				Temperature:															
Relinquished by: <i>Andy Vanskike</i>		Company: PSEC		Date: 11/1/2018		Time: 1400		Received by: <i>[Signature]</i>		Company: Torrent Labs		Date: 11/1/18		Time: 1450									
Relinquished by:		Company:		Date:		Time:		Received by:		Company:		Date:		Time:									
Relinquished by:		Company:		Date:		Time:		Received by:		Company:		Date:		Time:									

TEMP 13°C #1 (CONC) - Sample chilling begun





Chain of Custody Record

Page 2 of 2

1811006



Company: Pacific States Environmental Contractors		Project Name: 506 Santa Cruz		Sampled By: Andy Vanskike		Report To: Pacific States Soil Management datareview@pacificstates.net																																																																																																																																																																																																									
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024A	PS4-22'		1118								X	X	X	X																																																																																																																																																																																																	
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Temp = 13°C #1 (correct) - Sample chilling begun



**Change Order**

**Work Order:** 1811006

**Serial #:** CO18-0541

**Print Date:** 11/9/2018

**Project Name:** 506 Santa Cruz, Menlo Park

**Client:** Pacific States Env

**Requested By:** Jake Poletti

---

	<u>Requested Date</u>	<u>Requested Time</u>	<u>Extended Price</u>
STLC & TCLP Pb for 001/002/007/013/019; STLC Cr for 001/002	11/9/2018	4:20:00PM	

---



**Change Order**

**Work Order:** 1811006

**Serial #:** CO18-0541

**Print Date:** 11/9/2018

**Project Name:** 506 Santa Cruz, Menlo Park

**Client:** Pacific States Env

**Requested By:** Jake Poletti

---

	<u>Requested Date</u>	<u>Requested Time</u>	<u>Extended Price</u>
STLC & TCLP Pb for 001/002/007/013/019; STLC Cr for 001/002	11/9/2018	4:20:00PM	

---



# EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / [sanleandrolab@emsl.com](mailto:sanleandrolab@emsl.com)

EMSL Order: 091824000

Customer ID: TORR80

Customer PO: 1811006

Project ID:

**Attention:** Kathie Evans  
Torrent Laboratory, Inc.  
483 Sinclair Frontage Rd.  
Milpitas, CA 95035

**Phone:** (408) 263-5258  
**Fax:** (408) 263-8293  
**Received:** 11/02/2018 3:15 PM  
**Analysis Date:** 11/06/2018  
**Collected:** 11/01/2018

**Project:** 1811006

## Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1811006-005A 091824000-0001		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1811006-007A 091824000-0002		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1811006-012A 091824000-0003		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1811006-017A 091824000-0004		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1811006-019A 091824000-0005		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1811006-024A 091824000-0006		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Cecilia Yu (6)

Matthew Batongbacal  
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 11/06/2018 12:17:30

**520 Almanor Avenue, Sunnyvale, California**

**920 Bayswater Avenue, Burlingame, California**



A Report Prepared for:

920 Bayswater Venture, LLC  
c/o Fore Green Development, LLC  
20 South Santa Cruz Avenue, #300  
Los Gatos, California 95030

**SITE MANAGEMENT AND CONTINGENCY PLAN  
920 BAYSWATER AVENUE  
BURLINGAME, CALIFORNIA**

**APRIL 5, 2019**

By:

**D R A F T**

---

Justin J. Patterson  
Senior Environmental Scientist

**D R A F T**

---

William W. Mast, P.G.  
Principal Engineer

**1530.001.02.005**

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## 1.0 INTRODUCTION

This Site Management and Contingency Plan (SMP) has been prepared by PES Environmental, Inc. (PES) on behalf of 920 Bayswater Venture, LLC (Owner), for redevelopment construction at the property located at 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road, Burlingame, California (the subject property or site). The redevelopment project is identified as 920 Bayswater Avenue. The site location is depicted on Plate 1. PES was retained by Owner to develop procedures for soil and groundwater management, environmental health and safety, and contingency planning during redevelopment construction at the subject property.

This SMP was prepared to provide environmental consultants, construction contractors and workers, and Owner's other representatives with: (1) information regarding known environmental conditions at the site; (2) protocols for managing soil and groundwater during site redevelopment activities; and (3) protocols for implementing contingencies to manage contaminated soil, groundwater or other environmental issues in the event that they are identified during redevelopment construction.

## 2.0 BACKGROUND INFORMATION

### 2.1 Site and Vicinity Characteristics

The subject property is located north of the intersection of Bayswater Avenue and Myrtle Road in the City of Burlingame, County of San Mateo, California (Plate 1). The site is comprised of seven legal parcels identified by San Mateo County Assessor's Parcel Numbers (APNs) 029-235-160, -170, -180, -190, -200, -210, and -220, covering a total of approximately 1.27 acres. The subject property addresses include 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road. The site is accessed via driveways and pedestrian access off Bayswater Avenue and Myrtle Road. The site has been developed with several structures previously occupied by single-family residences, an auto repair shop, offices, and multi-family residences. The remainder of the subject property consists of asphalt-paved parking areas.

The subject property is located in a mixed residential, commercial, and light industrial area. As shown on Plate 2, the site is bounded:

To the northwest by an asphalt-paved parking area with an associated auto repair shop;

To the northeast by single- and multi-family residences;

To the southwest by Myrtle Road with an asphalt-paved parking area and a Caltrain railroad right-of-way beyond; and

To the southeast by Bayswater Avenue and an asphalt-paved parking area and an auto body shop beyond.

## **2.2 Historical Use**

This historical summary is based upon environmental site assessments conducted by PES as part of environmental due diligence by Owner prior to acquisition.

The earliest available records indicate that portions of the subject property were developed with residential structures in the early 1900s. The residential structures at the 116 and 118 Myrtle Road properties were developed between 1946 and 1959, and the asphalt-paved parking areas located at 112 and 114 Myrtle Road were constructed in the 1970s. The former automotive repair facility at 920 Bayswater Avenue was developed between 1949 and 1953 and was in use as an auto body or auto repair shop since that time. Available records indicate that a 550-gallon gasoline underground storage tank (UST) was reportedly installed in 1963 and removed and disposed in 1987 under Central County Fire Department (CCFD) oversight. Releases or violations were not indicated in records pertaining to the former UST. Laboratory analytical data for one soil sample collected beneath the former UST at the time of removal did not indicate the presence of petroleum hydrocarbons in soil, and reported concentrations of lead were within regional background ranges. Regulatory records indicate the possible historical presence of a second UST of unknown size, contents, and location at the 920 Bayswater Avenue property. In addition, the former auto repair facility at 920 Bayswater Avenue reportedly had a 200-gallon in-ground sump used historically to store waste oil. The sump was reportedly pumped out, filled with sand, and capped with concrete at an unknown date. One additional wash water drain and sump, connected to the storm drain system, is present beneath a vehicle wash area on the eastern portion of the property. The former auto repair facility also has two in-ground hydraulic lifts and one former lift that was reportedly removed, and the cavity filled with concrete at an unknown date. At the time of removal, the former lift reportedly showed evidence of leaking hydraulic fluid; no soil removal or other remedial action was conducted.

## **2.3 Geology and Hydrogeology**

Based on the results of investigations performed on the subject property, shallow soil beneath the site consists primarily of sandy clays, silt, and silty to clayey sands to an approximate depth of 13 feet below ground surface (bgs), underlain by clay and sandy clay of increasing stiffness interfingering with sand to a maximum explored depth of 30 feet bgs (PES, 2015). Groundwater was encountered at depths between approximately 19.5 and 23 feet bgs. Groundwater flow in the site vicinity is variable, but generally ranges from northeast to southeast of the site, generally in the direction of San Francisco Bay, with local variation.

## **2.4 Previous Environmental Investigations**

### **2.4.1 2017 Phase I Environmental Site Assessment**

A Phase I ESA for the subject property was completed by PES in May 2017 (PES, 2017a). A copy of the Phase I ESA report is provided in Appendix A. At the time of the site inspection,

hazardous materials use and storage consisted of various chemicals and wastes materials related to vehicle repair and service. PES observed multiple above ground storage tanks (ASTs) and an on-site storm drain intake and sump.

The historical findings identified in the ESA were generally consistent with those described above. This assessment identified the following recognized environmental conditions (RECs):

Historical and current use of the 920 Bayswater property for vehicle repair and maintenance services. Documented features associated with this property include: a 550-gallon UST for gasoline storage; a former 200-gallon waste oil sump; one former and two existing in-ground hydraulic lifts; a wash-water sump and drain; and the use, storage, handling, and disposal of various petroleum hydrocarbon and solvent products for vehicle repair and maintenance since the 1950s. In addition, regulatory agency records indicate the possible presence of one additional UST at the site.

A Phase II subsurface investigation of the subject property was conducted in 2015 consisting of soil, soil vapor, and grab groundwater samplings to evaluate petroleum hydrocarbons and VOCs from on-site and off-site sources (discussed below in Section 2.4.2). The investigation did not identify significant contamination due to vehicle repair and maintenance activities at the site, or from potential off-site sources of contamination. PES understands that the automotive repair facility at the 920 Bayswater Avenue property has continued to operate since the 2015 investigations. As such, a subsurface investigation is warranted to evaluate potential impact from continued automotive repair operations during the interim period; and

Several open environmental investigation and cleanup cases were noted in regulatory agency databases for off-site properties that are reportedly hydraulically upgradient and within ¼-mile of the subject property. Identified contaminants include petroleum hydrocarbons and chlorinated VOCs in soil vapor, soil, and groundwater. Due to the lack of documentation constraining the extent of contaminant plumes at these offsite properties, as well as the high-density commercial/light industrial land use (primarily auto repair facilities and service stations) in the general area of the subject property, groundwater contamination represents a REC for the subject property.

In addition, the Phase I ESA noted that based on the estimated construction dates of the buildings at the subject property (1920s through 1950s), asbestos containing materials (ACM) and lead-based paint (LBP) are likely to be present in building materials. In addition, the historical presence of a blacksmithing operation at the 108 Myrtle Road property indicates the possible presence of ACM commonly associated with heat-resistant building products historically used in the vicinity of forges. A survey for asbestos- or lead-containing materials should be performed prior to any significant renovation or demolition activities that may occur at the subject site.

## 2.4.2 Subsurface Investigations

In order to characterize subsurface conditions at the site as part of property transaction evaluations, PES conducted subsurface investigations at the subject property in July 2015 and May 2017. The investigations consisted of advancing twenty-two (22) borings for soil and/or groundwater analysis, and installing and sampling seven (7) temporary soil vapor probes. The results of the investigation were presented in a *Transmittal, Subsurface Investigation Data* report (Transmittal) dated August 12, 2015 (PES, 2015) and a *Phase II Subsurface Investigation Report* (SIR) dated May 24, 2017 (PES, 2017b). Copies of the Transmittal and SIR are presented in Appendix A.

### 2.4.2.1 Summary of Soil Vapor Results

Seven (7) soil vapor samples were collected during the subsurface investigations at a depth of 5 feet bgs (SV-1 through SV-4 and SV-1B through SV-3B). Soil vapor analytical results for the site were compared with Environmental Screening Levels (ESLs) developed by the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) for soil gas in residential and commercial land use scenarios<sup>1</sup> that were available at the time of sampling.

Volatile organic compounds (VOCs) detected in the soil gas samples included: benzene, toluene, ethylbenzene, m,p-xylene, o-xylene (BTEX), 1,2,4- trimethylbenzene (TMB), 1,3,5-TMB, and tetrachloroethene (PCE). PCE, benzene, toluene, ethylbenzene, and m,p-xylene were identified in soil vapor at maximum concentrations of 70.7 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ; SV-2), 20  $\mu\text{g}/\text{m}^3$  (SV-1B), 120  $\mu\text{g}/\text{m}^3$  (SV-3B), 19  $\mu\text{g}/\text{m}^3$  (SV-2B), and 120  $\mu\text{g}/\text{m}^3$  (SV-2B), respectively. All reported concentrations were below their respective residential soil vapor ESL values.

### 2.4.2.2 Summary of Soil Results

Twenty-eight (28) soil samples were collected for chemical analysis from eighteen (18) borings (SB-1 through SB-18) at depth intervals ranging from 2.0 feet bgs to 22.5 feet bgs (Plate 2). Soil analytical results for the site were compared with ESLs developed by the RWQCB for shallow (less than 3 meters bgs) and deep (greater than 3 meters bgs; as applicable) soil in both residential and commercial settings where groundwater is a current or potential drinking water source.

No soil samples contained organic constituents at or above their respective laboratory reporting limits, with the exceptions of motor oil and PCE. Total petroleum hydrocarbons quantified as motor oil (TPHmo) was detected in 2 of the 28 samples analyzed at concentrations of 12.6 milligrams per kilogram (mg/kg; SB-3-2.0) and 17.0 mg/kg (SB-3-4.5). PCE was detected in 7 of the 28 soil samples analyzed at concentrations ranging from 1.71 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ; SB-3-4.5) to 9.93  $\mu\text{g}/\text{kg}$  (SB-12-2.0). All reported concentrations were below the residential and commercial ESLs.

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<sup>1</sup> RWQCB, 2013. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. December.

Polychlorinated biphenyls (PCBs) were not detected at or above their respective reporting limits in any of the soil samples collected during the subsurface investigations.

Ten (10) Title 22 CCR metals were detected in the soil samples collected during the subsurface investigation above their respective laboratory reporting limits. Concentrations of all metals in soil were below their respective residential ESLs, with the exception of Arsenic. Arsenic was detected at concentrations ranging from 2.54 mg/kg (SB-14-2.0) to 4.15 mg/kg (SB-1-4.5), above the residential and commercial ESLs (0.39 and 1.6 mg/kg, respectively). However, studies of San Francisco Bay area soils have identified background concentrations that range from 0.6 to 42 mg/kg for arsenic (Kearney, 1996 and Lawrence Berkeley Laboratory [LBL], 2002) or 17 mg/kg calculated as the 95th percentile of 1,395 regional data points (LBL, 2002). Arsenic concentrations reported for site soil are well within the cited background ranges.

#### 2.4.2.3 Summary of Groundwater Results

Seven (7) grab groundwater samples were collected from borings SB-1, SB-2, SB-5, SB-6, SB-9, and SB-1B through SB-4B (Plate 2). Grab groundwater analytical results for the site were compared with groundwater ESLs for evaluation of potential vapor intrusion in a residential land use scenario.

Constituents detected above their respective laboratory reporting limits in grab groundwater samples at the site included: diesel, motor oil, hydraulic oil, PCE, chloroform, and dichlorodifluoromethane. Concentrations of all constituents were below their respective residential vapor intrusion ESLs, with the exception of PCE. PCE was detected in a single grab groundwater sample at a concentration of 8.9 micrograms per liter ( $\mu\text{g/L}$ ; SB-3B) which exceeded the residential ESL for evaluation of potential vapor intrusion concerns, 3.0  $\mu\text{g/L}$ .

### **3.0 PRE-CONSTRUCTION SUBSURFACE INVESTIGATION**

Based on the findings of the prior subsurface investigations, a pre-construction investigation was performed to collect sufficient data to characterize excess soil (i.e., that will be excavated during redevelopment and) for management and waste classification purposes and to characterize groundwater for permitting purposes to allow disposal to the sanitary sewer or storm drain.

The following sections describe the field activities, sampling and laboratory analytical methods, and testing results for the investigation. The soil and grab groundwater sampling was completed on March 7 and 8, 2019 and consisted of completing 12 borings (SB-19 through SB-30) for soil and/or grab groundwater collection. The approximate locations of the borings are shown on Plate 2.

### **3.1 Pre-Field Activities**

Prior to initiating drilling and sampling activities, the existing site-specific Health and Safety Plan was updated to comply with applicable federal, California Occupational Safety and Health Administration (OSHA) and Title 29 CFR 1910.120 guidelines was prepared by PES for the sampling activities. PES obtained the required drilling permits from the San Mateo County Health Services Agency, Groundwater Protection Program (GPP), PES contacted Underground Service Alert more than 72 hours before conducting drilling activities and C. Cruz Sub Surface Locators of Milpitas, California cleared the boring locations for subsurface utilities prior to initiating subsurface activities. Additionally, PES coordinated with Environmental Control Associates (ECA) of Aptos, California, a drilling contractor possessing a valid C-57 water well contractor's license issued by the State of California, to collect the soil and grab groundwater samples.

### **3.2 Sampling and Analytical Methods**

ECA utilized direct-push drilling technology to advance twelve (12) sampling locations across the subject property to depths ranging from 24 to 28 feet below grade (Plate 2). PES observed the borehole drilling and prepared lithologic logs of the borings using the Unified Soil Classification System (USCS). The soil sampling was conducted under the supervision of a California-registered geologist or engineer. The soil cores were screened for volatile organics using a photoionization detector (PID).

Continuous soil cores were collected by driving a 4-foot long sampler lined with a 3.5-inch diameter sample sleeve into undisturbed soil. Soil samples were collected for non-volatile compounds in the acetate sample sleeve. The acetate sample sleeve was cut at the appropriate depth interval into a 6-inch long section, and sealed with Teflon liners and plastic end caps to prevent moisture and/or contaminant loss. Soil samples submitted for analysis by U.S. Environmental Protection Agency (U.S. EPA) Test Method 8260B were collected in accordance with U.S. EPA Test Method 5035 using Terracore™ samplers. Soil samples were generally collected from each soil boring at five depth intervals (3, 5, 10, 15, and 20 feet bgs) for laboratory analyses.

Grab groundwater samples were collected from three boring locations (SB-19, SB-22, and SB-27). Dry soil conditions were encountered at boring location SB-26, which prevented collection of a grab groundwater sample. The groundwater sample borings were advanced using direct push methods to a depth of approximately 24 feet below grade (i.e., approximately 10 feet within the saturated zone). To facilitate groundwater sampling, 10 feet of nominal 0.75-inch diameter polyvinyl chloride (PVC) well screen, and 14 feet of nominal 0.75-inch diameter PVC blank casing were placed inside the borings. A grab groundwater sample was collected from inside the PVC casing using a small diameter disposable polyethylene bailer. The grab groundwater samples were then immediately decanted from the bailer into appropriate laboratory-supplied sample bottles, which were slowly filled in a manner to minimize sample disturbance and potential headspace or air bubbles in the sample bottle.



Filled soil and groundwater sample containers were labeled to indicate project location, job number, boring number, sample number, and time and date collected and then immediately placed in a thermally-insulated cooler containing ice. The samples were picked up by a courier for transport under chain-of-custody protocol to Test America Laboratory (TestAmerica) of Pleasanton, California, a state-certified laboratory for the requested chemical analysis. The soil and grab groundwater samples were analyzed for one or more of the following chemical constituents:

California Code of Regulations Title 22 list of 17 metals (Title 22 metals) by U.S. EPA Method 6010B and 7471B (for mercury);

Total Petroleum Hydrocarbons quantified as gasoline (TPHg) by U.S. EPA Method 8015B;

Total Petroleum Hydrocarbons quantified as diesel and motor oil (TPHd/mo) by U.S. EPA Method 8015B;

Volatile organic compounds (VOCs) by U.S. EPA Method 8260B;

Semi-volatile organic compounds (SVOCs) by U.S. EPA Method 8270C;

Organochlorine pesticides (OCPs) by U.S. EPA Method 8081; and

Polychlorinated biphenyls (PCBs) by U.S. EPA Method 8082.

In addition, selected soil samples were analyzed for soluble chromium using the California Waste Extraction Test (WET) with extracts digested using U.S. EPA Test Method 3010A and analyzed by U.S. EPA Test Method 6010B.

To reduce the potential for cross-contamination between sampling locations, downhole drilling and sampling equipment were thoroughly cleaned prior to initiating work and between sampling locations. Sampling equipment was washed in a dilute Alconox (or equivalent) solution, rinsed with potable water, and final rinsed with distilled water between each sampling location. Direct-push drilling equipment was decontaminated with a high-pressure hot water wash between sampling locations. Upon completion of sampling activities, each borehole was grouted to the surface with neat cement in accordance with GPP requirements.

### **3.3 Analytical Results**

Analytical results for the soil and grab groundwater samples are summarized in Table 1 through Table 6. Laboratory analytical reports and chain-of-custody forms are presented in Appendix B. For soil management considerations, the soil results for metals analysis (Table 1) were also compared to the Total Threshold Limit Concentration (TTLC) values contained in Title 22 CCR.

### 3.3.1 Total and Soluble Metals in Soil

As shown on Table 1, twelve (12) metals were detected in the soil samples collected during the subsurface investigation. Detected concentrations of all metals in soil were below their respective TTLC values.

As shown on Table 1, total chromium concentrations ranged from 58 to 190 mg/kg, with all results at least 10 times greater than the Title 22 CCR soluble threshold limit concentration (STLC) limit of 5 milligrams per liter (mg/L). Rather than analyze all samples for soluble chromium, samples for this analysis were selected from across the site and from all depth intervals and included the sample with the highest concentration. As indicated on Table 2, none of the soluble chromium results exceeded the STLC value, indicating that the chromium concentrations reflect naturally-occurring background conditions.

### 3.3.2 TPH and VOCs in Soil

Organic constituents detected in the soil samples were limited to diesel and acetone (Table 3). TPHd was detected above the laboratory reporting limit in 10 of 60 samples at concentrations ranging up to 6.5 mg/kg (SB-29-20). Acetone was detected in 5 of 16 samples at concentration up to 67 $\mu$  g/kg (SB-21-3). No other VOCs or petroleum hydrocarbons were detected above their laboratory reporting limits.

### 3.3.3 SVOCs, OCPs, and PCBs in Soil

As indicated on Table 4, no SVOCs, OCPs, or PCBs were detected above their respective laboratory reporting limits.

### 3.3.4 Grab Groundwater

As shown on Table 5, organic constituents detected in the grab groundwater samples consisted of diesel, motor oil, and PCE. TPHd and TPHmo were detected above their respective laboratory reporting limits in all three groundwater samples at concentrations ranging up to 500  $\mu$ g/L (SB-29-20) and 490  $\mu$ g/L (SB-29-20), respectively. PCE was detected in a single sample (SB-22) at a concentration of 5.8  $\mu$ g/L. No other VOCs or petroleum hydrocarbons were detected above their laboratory reporting limits. As indicated on Table 6, low concentrations of eight dissolved metals were detected in grab groundwater sample SB-22.

## 3.4 Discussion

The results of the pre-construction sampling confirm the subsurface conditions identified during the 2015 and 2017 investigations and indicate that the subject property has not been significantly affected by historical chemical uses or by offsite sources of contamination. Elevated concentrations of VOCs and petroleum hydrocarbons were not identified in soil or grab groundwater. The single detection of PCE identified in grab groundwater sample SB-22

(5.8 µg/L) is in the general vicinity of where PCE was previously identified at a similar concentration (SB-3B at a concentration of 8.9 µg/L). Detectable concentrations of hydrocarbons, VOCs, and heavy metals were observed in several samples, but generally appear to be at concentrations that would not require disposal as a hazardous waste.

#### **4.0 SITE MITIGATION PLAN**

Construction management procedures presented in this SMP consist of: (1) worker health and safety procedures; (2) procedures for management of soil and groundwater during construction; and (3) protocols for off-site disposal of excess soil. Contingency procedures for assessing previously unidentified affected soil and/or groundwater, if any, that may be encountered during site work are also included.

Hazardous substances in soil (if encountered) across the site will be removed as part of mass excavation during redevelopment construction; therefore, specific design features to mitigate future site occupant exposure to hazardous substances in soil are not warranted.

#### **4.1 Proposed Site Development and Excavation Considerations**

The planned redevelopment consists of: (1) demolition and removal of the existing site buildings, pavement, and landscaping; (2) mass-excavation to accommodate two levels of planned sub-grade parking garage; (3) construction of the foundation system for the new building including a mat slab foundation; (4) relatively shallow excavations for underground utility installation; and (5) construction of a new multi-story 128-unit apartment building and associated parking and landscaped areas. Based on preliminary design drawings, the majority of the site will be excavated to accommodate the sub-grade parking levels. The depths of excavation have yet to be finalized but are expected to be approximately 21 feet below current grade. This will result in excavation and offsite disposal of approximately 41,000 bank (in place) cubic yards of soil. The project also includes relocation of existing underground utilities and installation of new lateral connections from the project site to existing utility systems. A copy of the current site development drawings is provided in Appendix C.

#### **4.2 Responsibilities for SMP Implementation**

Owner or designated personnel shall oversee implementation of the SMP at the site. Owner and the General Contractor shall make all appropriate third-party subcontractors working at the site aware of the requirements of the SMP, and provide an electronic copy and/or a hard-copy to all subcontractors that are performing activities covered by this SMP (see Section 4.3) and may encounter suspect subsurface conditions during execution of their work.

Prior to the initiation of construction activities that are covered under this SMP, Owner shall confirm the project representatives listed below. Regular and 24-hour emergency contact information for these individuals shall be confirmed and updated as necessary. A project contact sheet shall be provided to the General Contractor and posted in an accessible and suitable location at the subject property.

Project Responsibility	Company Name	Contact Person	Phone Number Normal/24-hr
Owner Representative	920 Bayswater, LLC		
General Contractor	TBD	TBD	TBD
Earthwork Subcontractor	TBD	TBD	TBD
Utility Subcontractor	TBD	TBD	TBD
Environmental Consultant	PES Environmental, Inc.	Will Mast, P.G.	(415) 899-1600

### **4.3 Activities Covered by the SMP**

The following activities, when performed on the subject property, constitute the work covered under this SMP:

**Demolition of Surface Cover** – activities associated with removal of the surface asphalt or concrete pavement, or building floor slabs and foundations;

**Removal of Existing Hydraulic Lifts** – activities associated with removal of the concrete, lift cylinder, cylinder contents, and/or surrounding fill material and underlying soil;

**Mass Excavation for Subterranean Garages and Site Grading** – any activity occurring beneath the grade level of existing surfaces

**Subsurface Construction or Repair** – activities occurring beneath the grade level of existing pavements;

**Utility Line Work** – any subterranean inspection, excavation, or repair of electrical, telephone, water, sanitary sewer, or storm drains occurring within or outside of existing vaults;

**Groundwater Extraction or Construction De-watering** – activities involving collection and removal of shallow groundwater during or after construction; and

**Other** – other subgrade activities not expressly listed above.

### **4.4 Worker Health and Safety Training**

In addition to following the SMP, the general contractor, and each of its subcontractors, will work under the guidance of a site-specific health and safety plan (HASP) and injury and illness prevention plan (IIPP). The purpose of these documents is to provide general guidance

regarding the work hazards that may be encountered during each phase of site construction activities, including potential chemicals of concern that may be encountered on-site. The General Contractor and subcontractors will be responsible for preparation and adherence to the HASP. The HASP will be prepared in accordance with Cal-OSHA Construction Safety Orders within Title 8 CCR. Soil excavation conducted to remediate suspect contaminated soil, as described in Section 4.5.6, will be conducted by HAZWOPER-trained environmental professionals and/or workers following an appropriate HASP.

## **4.5 Soil Management**

### **4.5.1 Planned Earthwork Activities**

Planned earthwork activities for the redevelopment project will begin with demolition and removal of the existing site buildings and pavement materials. Thereafter, it is expected that the site will be graded smooth and firm to allow for construction equipment access.

The planned earthwork is limited to: (1) mass excavation for the subterranean garage and site grading following the removal of the existing hardscape pavements, concrete curbs, and landscape areas; and (2) trenching for installation of underground utility lines (e.g., electrical, telephone, water, sanitary sewer, storm drains) within the planned construction area and public right-of-way improvements.

Excess soil (volume to be determined) generated during earthwork operations at the site will require removal from the site. Because space limitations and sequencing of soil excavation may preclude significant stockpiling on the site, excess soil may be direct-loaded at the time of excavation and transported off-site for disposal or off-site reuse, as appropriate based on pre-characterization data (refer to Section 3.0 above). In support of direct-loading and off-haul, the general contractor (or its earthwork subcontractor) will profile the soil in place in advance of excavation, using analytical data from the pre-construction investigation by PES (supplemented by additional data collection if required by the acceptance facility), and obtain landfill or off-site end user acceptance, as applicable, prior to the excavation activities. Based on the recent testing results, and subject to disposal/recycling facility review and acceptance, it is likely that the majority of the soil that will be excavated can be recycled or disposed as construction debris. Although no significant contamination was identified at the former auto service center, based on the long history of site use and detection of petroleum hydrocarbons in shallow soil, it is recommended that the uppermost 5 feet of soil on this parcel be disposed as Class II non-hazardous waste; additional deeper soil may be recommended to be similarly handled based on observations during construction. Further details regarding soil profiling are provided below.

The General Contractor or appropriate subcontractors will acquire and comply with applicable permits for the redevelopment project. Applicable permits include but are not limited to grading/excavation permit and Storm Water Pollution Prevention Plan (SWPPP). The following report sections describe each construction task which will disturb site soils.

#### **4.5.2 Removal of Existing Hydraulic Lifts**

Prior to commencing mass excavation activities, the existing hydraulic lifts will be removed from the subject property. Prior to removal of the lift cylinder, residual hydraulic fluids in the reservoir, hoses, and cylinder should be removed and containerized for subsequent disposal or recycling. Excavation equipment will be used to expose the existing lift cylinder and surrounding fill material. The lift will then be evaluated to determine if additional hydraulic fluid remains in the cylinder. If additional fluids are observed, they will be pumped into appropriate containers for off-site disposal or recycling. The lift cylinder will then be vertically lifted out of the ground and positioned over plastic sheeting to remove loose fill from the exterior surface. The ram cylinder interior will be rinsed with water, and the rinsate will be added to the containers, and the cylinder will be placed into a bin for off-site disposal. The Environmental Consultant will then make observations regarding the open excavation, and any contaminated soil will be removed and the excavation will be assessed in accordance with the procedures outlined below in Section 4.5.6. The contents of the hydraulic lift (if any), and any soil generated during excavation activities will be sampled and handled in accordance with the procedures outlined below.

#### **4.5.3 Storm Water Pollution Prevention**

Because the areal extent of the proposed excavations is greater than an acre, it is anticipated that a SWPPP will be prepared by the project civil engineer.

#### **4.5.4 Field Screening Protocol**

This section describes procedures for observing site conditions during construction activities that involve exposure of underlying soils and groundwater, including visual observation and screening of soil.

The Environmental Consultant will coordinate with the construction contractor/manager to visit the site, as necessary, during activities requiring field screening. The Environmental Consultant will observe soil conditions for the presence of evidence of contamination, such as discoloration and/or odors. If suspect soils are identified, excavation activities will be halted so that further assessment and mitigation, if necessary, will be conducted in accordance with procedures outlined in Section 4.5.6.

#### **4.5.5 Soil Management Procedures**

Soil management procedures detailed in the following sections will be implemented during mass grading, utility installation, and construction of the new building foundation. Soil management and handling activities shall be conducted in accordance with applicable federal, state, and local regulations including that for construction dust control.

#### 4.5.5.1 Existing Slab and Foundation Demolition

During removal of the existing hardscape surfacing and building foundations, near-surface soil will be inspected and assessed by the Environmental Professional for the presence of discolored or odorous soil. If identified, further evaluation of the suspect soil will be conducted in accordance with contingency procedures outlined in Section 4.5.6.

#### 4.5.5.2 Mass Excavation and Grading

Following demolition of the existing surfacing, the site will be excavated and graded in preparation for the construction of the subterranean parking garage. Excavation is expected to extend to a depth of approximately 24 feet beneath the existing grade. Once excavation reaches a depth of approximately 5 feet bgs, shallow fill and native soil will have been generally removed from the site and it is anticipated that the frequency of observations by the Environmental Consultant will be able to be reduced. The General Contractor (or subcontractor) will observe exposed soil during mass excavation and grading activities for the presence of discoloration and/or odors. If identified, the Environmental Consultant will be notified so that further evaluation of the suspect soil can be conducted in accordance with contingency procedures outlined in Section 4.5.6.

#### 4.5.5.3 Subgrade Utility Installation at Project Perimeter

Limited quantities of soil may be generated during subgrade utility and building foundation installation for the new development. During excavation as part of these activities, the general contractor (or the excavation subcontractor), will observe soil conditions for the presence of evidence of contamination, such as discoloration and/or odors. If suspect soils are identified, excavation activities will be halted, and the Environmental Consultant will be notified so that further assessment and mitigation, if necessary, can be conducted in accordance with procedures outlined in Section 4.5.6.

### **4.5.6 Contingency Procedures for Suspect Soil**

In the event that suspect soils, that have not been previously identified or evaluated, are identified through visual or olfactory observations during grading and excavation, work shall be halted in the area of suspected materials. The suspect area will be cordoned off using delineators and caution tape, or similar materials, and the soil management contingency procedures described below will be instituted. Contingency measures will be conducted by HAZWOPER-trained environmental professionals and/or workers following an appropriate HASP.

Preliminary assessment of the previously unidentified suspect soil will include confirmation that access control measures installed by the general contractor/manager are adequate to provide necessary protection to on-site workers and the public during the evaluation phase.

Confirmation will consist of visual assessment of the installed barriers as well as monitoring of the air outside the secured area.

Air sampling will be conducted around the perimeter of the secured area using a PID meter to measure VOCs in the breathing zone and a lower explosive limit (LEL)/oxygen (O<sub>2</sub>) meter to measure concentrations of combustible gases and available oxygen. If the air sampling suggests that the control measures are improperly positioned to provide necessary protection to on-site workers, the barriers will be relocated as necessary.

The Environmental Consultant will conduct a preliminary assessment of the suspect soil to determine if there are conditions that present a significant risk to human health or the environment based on field observations and/or laboratory analysis. This assessment may include collecting representative samples using hand and/or mechanized equipment at an appropriate frequency determined by the Environmental Consultant. The soil samples would then be submitted to a California-certified analytical laboratory for testing in accordance with U.S. EPA-approved methods. The analytical program will be developed by the environmental consultant based on on-site historical chemical use, visual observations, and field measurements. If the preliminary assessment suggests that the conditions are consistent with prior site observations described above and covered under this SMP, then the Environmental Consultant will terminate implementation of these procedures and release the suspect areas to the general contractor for continuation of the grading and excavation process.

After the evaluation is complete, the Environmental Consultant will provide Owner and the general contractor with conclusions regarding potential risks posed by identified soils to human health and the environment as well as recommendations for proper management (including removal and disposal) of such soils.

#### **4.5.7 Soil Stockpiling and Sampling Procedures**

Space limitations and sequencing of soil excavation may preclude stockpiling of significant quantities of excess soil during mass grading activities. Therefore, excess soil will likely be direct-loaded at the time of excavation and transported off-site for disposal or off-site reuse.

In the event that stockpiling of soil for further characterization is deemed necessary and feasible prior to or during mass grading activities, the procedures described in this section will be followed. The stockpiles will be lined with polyethylene plastic sheeting (10 mil [0.010 inch] minimum thickness) beneath and above the soil to prevent stormwater runoff/runoff and fugitive dust emissions. Stockpiled soil will be covered and secured at the end of each day.

The soil sampling procedures and analytical program for stockpiled soil are as follows:

One 4-point composite will be collected per 500 cubic yards of excavated soil unless otherwise required by the landfill disposal facility;



Soil samples will be collected using a pre-cleaned hand trowel and transferred into laboratory-supplied glass containers or stainless-steel tubes, as appropriate;

Following soil sample collection, the containers will be labeled for identification and immediately placed in a chilled, thermally insulated cooler containing bagged ice or blue ice. The cooler containing the samples will then be delivered under chain-of-custody protocol to a state-certified laboratory; and

The discrete and/or composite samples collected from the soil stockpiles will be submitted for laboratory analysis for one or more compounds based on prior investigation data and/or site observations. Analyses may be conducted for VOCs, petroleum hydrocarbons, metals, and/or other compounds as required by the landfill or receiving facility for waste characterization purposes. If necessary, extraction procedures and further metals analyses will be conducted on the samples to determine if the soils are hazardous based on leaching characteristics.

#### **4.5.8 Decontamination Procedures**

Equipment used for soil excavation and loading (including heavy equipment and truck tires) will be cleaned using dry methods (stiff-bristled brushes/brooms or wire brushes) before leaving the site. In the event, dry methods are not feasible, equipment requiring decontamination will be cleaned using high-pressure hot water washes. Decontamination fluids will be containerized and stored on-site in appropriate containers (e.g., 55-gallon drums) pending characterization and appropriate disposal. During soil excavation and loading, the work areas will be kept reasonably clean and free of excessive soil or debris. Care will be exercised to minimize the potential for tracking soil out of the work area.

#### **4.5.9 Dust Control Procedures**

Depending upon the soil conditions, during the demolition and construction activities there is a potential to generate a nuisance dust condition. Construction-related activities will therefore be performed in accordance with Bay Area Air Quality Management District (BAAQMD) regulations to control dust and exhaust including, but not limited to, Chapter 8 of the BAAQMD *Air Quality Guidelines* (AQG) dated May 2017. Table 8-2 of the AQG identifies the following basic construction mitigation measures for all construction projects:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 mph.

5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

To complement air monitoring efforts that may be conducted under an applicable HASP, dust monitoring may be implemented by others to evaluate the effectiveness of dust control measures.

The following air sampling equipment will/may be utilized for dust and odor monitoring:

PID; and

Dust monitor (MiniRAM, Dataram, or similar).

Based on the results of the investigation conducted at the site, the PID will serve as the primary instrument for personal exposure monitoring during excavation of soil suspected to be contaminated. The instrument will be utilized to fully characterize potential employee exposure and the need for equipment upgrades/downgrades.

#### **4.6 Soil Transportation and Disposal Procedures**

The following activities will be performed as part of the off-site disposal plan: (1) completing soil profiling with the off-site disposal facility using analytical data from the site investigation and/or stockpile waste characterization activities (as necessary); (2) completing the waste manifest forms and documenting truck load volumes and/or weights; and (3) transportation of soil from the site to a permitted disposal facility. The Environmental Consultant will work with the General Contractor/manager to support waste acceptance evaluations, including collecting and directing laboratory analysis of soil samples in accordance with the criteria provided by the potential disposal facilities.

Using site investigation data, waste profiles will be prepared by the contractor. Once the profiles have been generated, it will be reviewed and signed by the generator (i.e., the Owner or its authorized representative). Upon completion of profiling, manifests will be prepared for signature by the Owner. The completed manifests will be provided to the transporters. If the soil is classified as hazardous, the Environmental Consultant will assist the Owner in obtaining a U.S. EPA generator identification number.

Following receipt of advance notice of acceptance of the soil at an appropriate disposal facility, the soil will be loaded onto appropriately licensed trucks and transported following appropriate California and federal regulations. As each truck is filled, an inspection will be made to ensure that the soil is properly covered, and that the tires and sides of the trucks are reasonably free of accumulated soil prior to leaving the site. A street sweeper will be provided by the excavation contractor, as needed, to keep the loading area and haul roads clean. The off-site route taken by the haul trucks will be determined once the disposal facility has been selected. The route will be provided to each driver prior to leaving the site.

A copy of the weight ticket and associated manifest for each truck trip will be retained and used to track quantities of excess soil generated and document receipt of the soil by the appropriate disposal facility.

#### **4.7 Soil Importation**

While not anticipated, potential fill materials utilized at the site will be selected and tested in accordance with the DTSC *Information Advisory, Clean Imported Fill Material, October 2001* (DTSC Advisory). Specific laboratory analyses will be based on the fill source characteristics, once the borrow source area has been determined.

#### **4.8 Groundwater Management**

Based on the depth to groundwater observed during subsurface investigations described above (approximately 9 to 12 feet bgs) and the anticipated depth of grading activities, redevelopment construction activities may require construction dewatering.

In the event construction dewatering is necessary, procedures and methodologies will be developed for de-watering by the general contractor or its designee prior to commencing excavation activities. It is anticipated that extracted groundwater, if any, will either be: (1) discharged to the sanitary sewer under a batch wastewater discharge permit obtained from the City of Burlingame; (2) treated on-site through a portable treatment system, as appropriate, and then discharged to the sanitary sewer or storm drain under a National Pollutant Discharge Elimination System (NPDES) permit; or (3) hauled off-site for disposal or recycling. If the water is discharged to the sanitary sewer or storm drain, then it may need to be filtered to remove inert suspended sediments. Groundwater will be characterized in accordance with applicable permitting requirements for discharge or disposal.

#### **4.9 Historical Subsurface Features**

In the event that previously unidentified subsurface features or potential environmental concern are encountered during grading and excavation, work shall be halted in the area of the identified feature. The suspect area will be cordoned off using delineators and caution tape, or similar materials, and the Environmental Consultant will be contacted to conduct a preliminary assessment of the feature(s) to determine if there are conditions that present a significant risk to human health or the environment based on field observations and/or laboratory analysis (refer to Section 4.5.6).

After the evaluation is complete, the Environmental Consultant will provide Owner and the general contractor with conclusions regarding potential risks posed by identified features to human health and the environment as well as recommendations for proper management (potentially including removal, destruction, and/or disposal) of the feature(s). Further management or removal of historical site features (e.g. destruction of improperly-abandoned wells) will be preceded by notifications to the appropriate regulatory agencies.

#### **5.0 REPORTING**

Following the completion of the SMP activities described herein, a SMP Implementation report will be prepared by the Environmental Consultant. The report will document the completed SMP activities, including disposition of the materials excavated for construction and, if applicable, sampling and analysis performed during implementation of this SMP.

#### **6.0 REFERENCES**

Lawrence Berkeley Lab, 2002. *Analysis of Background Distribution of Metals in the Soil at Lawrence Berkeley National Laboratory* for the Lawrence Berkeley National Laboratory, Environmental Restoration Program, June, Updated 2009.

PES Environmental, Inc. (PES), 2015. *Transmittal, Subsurface Investigation Data, 920 Bayswater Avenue and 108 Myrtle Road, Burlingame, California.* June 29.

PES, 2017a. *Phase I Environmental Site Assessment, 908 & 920 Bayswater Avenue and 108 Through 120 Myrtle Road, Burlingame, California.* May 19.

PES, 2017b. *Phase II Subsurface Investigation Report, 908 & 920 Bayswater Avenue and 108 Through 120 Myrtle Road, Burlingame, California.* May 24.

**TABLES**

**DRAFT**

For Discussion Purposes Only

PES Environmental, Inc.

Table 1  
Summary of Analytical Results for Soil Borings - Metals  
920 Bayswater Avenue  
Burlingame, California

Sample Location	Sample Identification	Depth (Feet/bgs)	Date Collected	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
SB-19	SB-19-3	3-3.5	3/7/2019	4.0	130	0.83	ND (0.50)	110	21.0	22	7.4	0.031	78	90	54
	SB-19-5	5-5.5	3/7/2019	ND (3.4)	120	0.44	ND (0.42)	82	14.0	27	5.4	0.022	76	64	39
	SB-19-10	10-10.5	3/7/2019	ND (4.0)	130	0.60	ND (0.50)	140	19.0	42	7.1	0.037	120	99	55
	SB-19-15	15-15.5	3/7/2019	ND (3.0)	89	0.36	ND (0.37)	82	15	24	4.5	0.023	68	64	41
	SB-19-20	20-20.5	3/7/2019	ND (3.6)	91	0.36	ND (0.45)	170	21	38	4.9	0.043	130	84	45
SB-20	SB-20-3	3-3.5	3/7/2019	ND (3.0)	95	0.48	ND (0.38)	71	13	19	5.3	0.025	48	65	43
	SB-20-5	5-5.5	3/7/2019	ND (3.4)	92	0.38	ND (0.42)	110	18	28	5.6	0.056	110	72	39
	SB-20-10	10-10.5	3/7/2019	ND (2.5)	87	0.39	ND (0.31)	120	21	39	5.0	0.030	100	87	48
	SB-20-15	15-15.5	3/7/2019	ND (3.1)	100	0.42	ND (0.39)	120	23	39	6.4	0.053	130	80	43
	SB-20-20	20-20.5	3/7/2019	ND (3.3)	110	0.53	ND (0.41)	140	20	45	7.6	0.085	130	88	61
SB-21	SB-21-3	3-3.5	3/8/2019	2.5	100	0.32	ND (0.31)	58	10	15	4.9	0.015	43	55	41
	SB-21-5	5-5.5	3/8/2019	ND (2.5)	120	0.65	ND (0.31)	120	21	37	5.6	0.045	95	90	51
	SB-21-10	10-10.5	3/8/2019	ND (2.8)	97	0.45	ND (0.35)	93	17	29	5.4	0.041	100	71	48
	SB-21-15	15-15.5	3/8/2019	ND (3.4)	120	0.49	ND (0.42)	110	22	29	5.7	0.019	99	86	52
	SB-21-20	20-20.5	3/8/2019	ND (3.7)	93	0.46	ND (0.46)	160	17	24	6.9	0.065	100	60	40.0
SB-22	SB-22-3	3-3.5	3/7/2019	ND (3.4)	110	0.41	ND (0.43)	88	14	17	5.6	0.037	62	65	37
	SB-22-5	5-5.5	3/7/2019	ND (3.4)	100	0.44	ND (0.42)	110	16	27	5.4	0.034	83	69	42
	SB-22-10	10-10.5	3/7/2019	ND (3.4)	100	0.43	ND (0.43)	89	16	32	6.3	0.015	94	77	47
	SB-22-15	15-15.5	3/7/2019	ND (3.6)	120	0.56	ND (0.45)	120	23	35	5.3	0.023	98	99	58
	SB-22-20	20-20.5	3/7/2019	ND (3.1)	87	0.34	ND (0.38)	85	15	28	4.8	0.036	87	71	42
SB-23	SB-23-3	3-3.5	3/8/2019	3.2	130	0.45	ND (0.33)	67	13	15	6.1	0.066	48	62	41
	SB-23-5	5-5.5	3/8/2019	2.8	130	0.51	ND (0.30)	110	19	34	6.4	0.051	100	73	57
	SB-23-10	10-10.5	3/8/2019	ND (3.6)	120	0.55	ND (0.45)	140	24.0	38	7.0	0.039	120	97	55
	SB-23-15	15-15.5	3/8/2019	ND (2.2)	96	0.34	ND (0.27)	71	16.0	17	4.9	0.022	65	53	43
	SB-23-20	20-20.5	3/8/2019	ND (2.8)	91	0.44	ND (0.34)	100	18.0	28	5.9	0.060	140	59	39
SB-24	SB-24-3	3-3.5	3/8/2019	2.1	100	0.54	ND (0.26)	82	16.0	22	5.7	0.035	62	72	42
	SB-24-5	5-5.5	3/8/2019	ND (2.7)	100	0.49	ND (0.34)	100	18	27	5.8	0.033	88	76	47
	SB-24-10	10-10.5	3/8/2019	ND (2.7)	100	0.36	ND (0.34)	98	19	31	5.9	0.043	110	88	46
	SB-24-15	15-15.5	3/8/2019	ND (2.0)	89	0.36	ND (0.25)	77	16	22	4.5	0.016	64	63	46
	SB-24-20	20-20.5	3/8/2019	ND (2.5)	100	0.48	ND (0.31)	190	35	47	5.1	0.038	160	94	51
SB-25	SB-25-3	3-3.5	3/8/2019	3.2	120	0.58	ND (0.30)	85	15	19	6.5	0.130	65	72	42
	SB-25-5	5-5.5	3/8/2019	ND (3.2)	110	0.55	ND (0.40)	85	14	21	6.4	0.028	67	76	42
	SB-25-10	10-10.5	3/8/2019	ND (3.7)	110	0.47	ND (0.47)	150	22	40	6.0	0.047	120	92	51
	SB-25-15	15-15.5	3/8/2019	ND (2.9)	98	0.44	ND (0.36)	87	16	21	6.2	0.055	71	69	47
	SB-25-20	20-20.5	3/8/2019	ND (2.8)	73	0.37	ND (0.35)	69	12.0	24	5.7	0.042	71	57	36
SB-26	SB-26-3	3-3.5	3/7/2019	4.2	120	0.59	ND (0.46)	89	22	27	7.5	0.052	67	79	45
	SB-26-5	5-5.5	3/7/2019	ND (2.8)	100	0.48	0.7	89	13.0	27	15.0	0.033	59	66	57
	SB-26-10	10-10.5	3/7/2019	ND (3.7)	100	0.39	ND (0.46)	130	20.0	41	6.0	0.059	130	91	57
	SB-26-15	15-15.5	3/7/2019	ND (3.6)	110	ND (0.36)	99	99	17	28	4.9	0.042	97	66	59
	SB-26-20	20-20.5	3/7/2019	ND (3.4)	87	0.38	ND (0.43)	92	16	29	5.3	0.047	99	70	45
SB-27	SB-27-3	3-3.5	3/7/2019	ND (3.3)	120	0.62	ND (0.41)	130	20	17	7.7	0.026	56	77	40
	SB-27-5	5-5.5	3/7/2019	ND (3.7)	120	0.49	ND (0.46)	100	15.0	29	5.5	0.037	87	71	48
	SB-27-10	10-10.5	3/7/2019	ND (3.4)	96	0.37	ND (0.43)	100	17	33	6.1	0.043	110	70	50
	SB-27-15	15-15.5	3/7/2019	ND (3.1)	110	0.39	ND (0.31)	98	22.00	28	6.5	0.058	90	73	46
	SB-27-20	20-20.5	3/7/2019	ND (3.0)	85	0.39	ND (0.37)	98	16	28	5.2	0.038	100	64	39

**Table 1**  
**Summary of Analytical Results for Soil Borings - Metals**  
 920 Bayswater Avenue  
 Burlingame, California

Sample Location	Sample Identification	Depth (Feet bgs)	Date Collected	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
SB-28	SB-28-3	3-3.5	3/7/2019	3.4	110	0.47	ND (0.37)	63	13.0	15.0	5.8	0.067	47	60	37
	SB-28-5	5-5.5	3/7/2019	3.3	130	0.52	ND (0.41)	110	19	30	7.3	0.047	87	85	51
	SB-28-10	10-10.5	3/7/2019	ND (3.0)	100	0.42	ND (0.37)	90	15.0	27	6.0	0.042	89	65	45
	SB-28-15	15-15.5	3/7/2019	ND (2.7)	95	0.44	ND (0.34)	150	22.0	42	4.2	0.033	130	100	52
	SB-28-20	20-20.5	3/7/2019	ND (3.3)	120	0.47	ND (0.41)	100	20.0	32	6.7	0.035	110	73	52
SB-29	SB-29-3	3-3.5	3/7/2019	ND (3.8)	130	0.46	ND (0.48)	80	17.0	15	6.8	0.084	57	64	37
	SB-29-5	5-5.5	3/7/2019	ND (3.5)	110	0.49	ND (0.43)	64	16.0	14	5.6	0.03	49	61	36
	SB-29-10	10-10.5	3/7/2019	ND (3.8)	120	0.44	ND (0.48)	110	18.0	29	5.3	0.04	100	67	45
	SB-29-15	15-15.5	3/7/2019	ND (3.6)	120	0.44	ND (0.45)	120	21	48	6.8	0.028	120	89	58
	SB-29-20	20-20.5	3/7/2019	ND (2.5)	120	0.53	ND (0.32)	130	28.0	37	7.1	0.46	130	79	46
SB-30	SB-30-3	3-3.5	3/8/2019	ND (3.1)	120	0.52	ND (0.38)	110	16.0	23	6.1	0.036	78	72	44
	SB-30-5	5-5.5	3/8/2019	ND (3.4)	100	0.51	ND (0.42)	77	15.0	20	5.0	0.59	61	63	38
	SB-30-10	10-10.5	3/8/2019	2.8	110	0.44	ND (0.33)	120	22	39	7.2	0.04	120	78	56
	SB-30-15	15-15.5	3/8/2019	ND (3.0)	100	0.46	ND (0.38)	110	24.0	35	7.5	0.07	120	69	42
	SB-30-20	20-20.5	3/8/2019	ND (2.5)	100	0.49	ND (0.31)	150	17	26	6.4	0	130	63	40
<b>TTLc values <sup>(1)</sup></b>				500	10,000	75	100	2,500	8,000	2,500	1,000	20	2,000	5,000	5,000

**Notes:**

Detections are shown in **bold**.  
 Results equal to or exceeding TTLc are shaded.  
 Total Metals by U.S. EPA Test Methods 6010B and 7471A.  
 Only analytes detected in at least one sample are presented on this table.  
 Feet bgs = Feet below ground surface.  
 mg/kg = Milligrams per Kilogram.  
 ND (0.47) = Not detected at or above the specified laboratory reporting limit.  
<sup>(1)</sup>TTLc: Total Threshold Limit Concentration, Title 22 California Code of Regulations, Chapter 11, Article 3

For Discussion Purposes Only

**Table 2**  
**Summary of Analytical Results for Soil Borings - Soluble Metals**  
**920 Bayswater Avenue**  
**Burlingame, California**

Sample Location	Sample Identification	Depth (Feet bgs)	Date Collected	Extractable (WET) Chromium (mg/L)
SB-19	SB-19-3	3-3.5	3/7/2019	ND (0.10)
	SB-19-5	5-5.5	3/7/2019	ND (0.10)
	SB-19-10	10-10.5	3/7/2019	ND (0.10)
	SB-19-15	15-15.5	3/7/2019	<b>0.11</b>
	SB-19-20	20-20.5	3/7/2019	<b>0.12</b>
SB-24	SB-24-20	20-20.5	3/8/2019	<b>0.13</b>
SB-26	SB-26-10	10-10.5	3/7/2019	ND (0.10)
SB-30	SB-30-3	3-3.5	3/8/2019	ND (0.10)
	SB-30-5	5-5.5	3/8/2019	<b>0.1</b>
	SB-30-10	10-10.5	3/8/2019	<b>0.11</b>
	SB-30-15	15-15.5	3/8/2019	ND (0.10)
	SB-30-20	20-20.5	3/8/2019	ND (0.10)
<b>STLC</b>				<b>5.0</b>

**Notes:**

Detections are shown in **bold**.

Detections exceeding the STLC are shaded.

WET = California Waste Extraction Test by U.S. EPA Test Method 3010A  
and analyzed by U.S. EPA Test Method 6010B.

Feet bgs = Feet below ground surface.

mg/L = Milligrams per liter.

ND (0.050) = Not detected at or above the specified laboratory reporting limit.

STLC = Soluble Threshold Limit Concentration, Title 22 California Code  
of Regulations, Chapter 11, Article 3.



For Discussion Purposes Only

**Table 3**  
**Summary of Analytical Results for Soil Borings - TPH and VOCs**  
**920 Bayswater Avenue**  
**Burlingame, California**

Sample Location	Sample Identification	Depth (Feet bgs)	Date Collected	Total Petroleum Hydrocarbons			VOCs
				TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	Acetone (µg/kg)
SB-19	SB-19-3	3-3.5	3/7/2019	ND (190)	<b>2.2</b>	ND (47)	ND (39)
	SB-19-5	5-5.5	3/7/2019	ND (250)	ND (1.9)	ND (48)	--
	SB-19-10	10-10.5	3/7/2019	ND (240)	ND (1.9)	ND (48)	--
	SB-19-15	15-15.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-19-20	20-20.5	3/7/2019	ND (240)	ND (2.0)	ND (50)	--
SB-20	SB-20-3	3-3.5	3/7/2019	ND (180)	<b>5.1</b>	ND (48)	ND (35)
	SB-20-5	5-5.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-20-10	10-10.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-20-15	15-15.5	3/7/2019	ND (240)	ND (2.0)	ND (50)	--
	SB-20-20	20-20.5	3/7/2019	ND (230)	ND (2.0)	ND (50)	--
SB-21	SB-21-3	3-3.5	3/8/2019	ND (170)	<b>2.4</b>	ND (48)	<b>67</b>
	SB-21-5	5-5.5	3/8/2019	ND (230)	ND (1.9)	ND (49)	--
	SB-21-10	10-10.5	3/8/2019	ND (250)	ND (1.9)	ND (47)	--
	SB-21-15	15-15.5	3/8/2019	ND (240)	ND (2.0)	ND (50)	--
	SB-21-20	20-20.5	3/8/2019	ND (240)	ND (1.9)	ND (49)	--
SB-22	SB-22-3	3-3.5	3/7/2019	ND (190)	ND (1.9)	ND (48)	ND (37)
	SB-22-5	5-5.5	3/7/2019	ND (240)	ND (2.0)	ND (49)	--
	SB-22-10	10-10.5	3/7/2019	ND (240)	ND (2.0)	ND (49)	--
	SB-22-15	15-15.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-22-20	20-20.5	3/7/2019	ND (240)	ND (2.0)	ND (50)	--
SB-23	SB-23-3	3-3.5	3/8/2019	ND (200)	<b>2.9</b>	ND (48)	ND (39)
	SB-23-5	5-5.5	3/8/2019	ND (240)	ND (1.9)	ND (48)	--
	SB-23-10	10-10.5	3/8/2019	ND (250)	ND (1.9)	ND (48)	--
	SB-23-15	15-15.5	3/8/2019	ND (250)	ND (1.9)	ND (49)	--
	SB-23-20	20-20.5	3/8/2019	ND (250)	<b>2.6</b>	ND (48)	--
SB-24	SB-24-3	3-3.5	3/8/2019	ND (210)	ND (2.0)	ND (50)	ND (41)
	SB-24-5	5-5.5	3/8/2019	ND (240)	ND (1.9)	ND (47)	--
	SB-24-10	10-10.5	3/8/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-24-15	15-15.5	3/8/2019	ND (250)	ND (1.9)	ND (47)	--
	SB-24-20	20-20.5	3/8/2019	ND (250)	ND (1.9)	ND (48)	--
SB-25	SB-25-3	3-3.5	3/8/2019	ND (170)	ND (2.0)	ND (50)	ND (33)
	SB-25-5	5-5.5	3/8/2019	ND (240)	<b>2.1</b>	ND (49)	--
	SB-25-10	10-10.5	3/8/2019	ND (250)	ND (1.9)	ND (49)	--
	SB-25-15	15-15.5	3/8/2019	ND (240)	ND (2.0)	ND (50)	--
	SB-25-20	20-20.5	3/8/2019	ND (250)	ND (2.0)	ND (50)	--
SB-26	SB-26-3	3-3.5	3/7/2019	ND (200)	<b>2.8</b>	ND (49)	ND (41)
	SB-26-5	5-5.5	3/7/2019	ND (190)	<b>4.0</b>	ND (48)	ND (39)
	SB-26-10	10-10.5	3/7/2019	ND (250)	ND (1.9)	ND (47)	--
	SB-26-15	15-15.5	3/7/2019	ND (240)	ND (1.9)	ND (47)	--
	SB-26-20	20-20.5	3/7/2019	ND (250)	ND (1.9)	ND (49)	--
SB-27	SB-27-3	3-3.5	3/7/2019	ND (250)	ND (1.9)	ND (48)	ND (51)
	SB-27-5	5-5.5	3/7/2019	ND (210)	ND (1.9)	ND (49)	ND (41)
	SB-27-10	10-10.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-27-15	15-15.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--
	SB-27-20	20-20.5	3/7/2019	ND (250)	ND (2.0)	ND (49)	--

For Discussion Purposes Only

**Table 3**  
**Summary of Analytical Results for Soil Borings - TPH and VOCs**  
**920 Bayswater Avenue**  
**Burlingame, California**

Sample Location	Sample Identification	Depth (Feet bgs)	Date Collected	Total Petroleum Hydrocarbons			VOCs
				TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	Acetone (µg/kg)
SB-28	SB-28-3	3-3.5	3/7/2019	ND (170)	<b>3.2</b>	ND (48)	<b>37</b>
	SB-28-5	5-5.5	3/7/2019	ND (170)	ND (1.9)	ND (47)	ND (35)
	SB-28-10	10-10.5	3/7/2019	ND (240)	ND (1.9)	ND (48)	--
	SB-28-15	15-15.5	3/7/2019	ND (250)	ND (1.9)	ND (48)	--
	SB-28-20	20-20.5	3/7/2019	ND (240)	ND (2.0)	ND (49)	--
SB-29	SB-29-3	3-3.5	3/7/2019	ND (200)	ND (2.0)	ND (49)	<b>47</b>
	SB-29-5	5-5.5	3/7/2019	ND (170)	ND (1.9)	ND (48)	<b>59</b>
	SB-29-10	10-10.5	3/7/2019	ND (240)	ND (1.9)	ND (49)	--
	SB-29-15	15-15.5	3/7/2019	ND (250)	ND (1.9)	ND (48)	--
	SB-29-20	20-20.5	3/7/2019	ND (240)	<b>6.5</b>	ND (48)	--
SB-30	SB-30-3	3-3.5	3/8/2019	ND (190)	ND (1.9)	ND (48)	<b>43</b>
	SB-30-5	5-5.5	3/8/2019	ND (230)	ND (1.9)	ND (49)	--
	SB-30-10	10-10.5	3/8/2019	ND (240)	ND (1.9)	ND (47)	--
	SB-30-15	15-15.5	3/8/2019	ND (250)	ND (1.9)	ND (48)	--
	SB-30-20	20-20.5	3/8/2019	ND (240)	ND (1.9)	ND (48)	--

**Notes:**

Detections are shown in **bold**.

TPHg = Total petroleum hydrocarbons quantified as gasoline by U.S. EPA Test Method 8015B.

TPHd = Total petroleum hydrocarbons quantified as diesel by U.S. EPA Test Method 8015B.

TPHmo = Total petroleum hydrocarbons quantified as motor oil by U.S. EPA Test Method 8015B.

VOCs = Volatile organic compounds by U.S. EPA Test Method 8260B.

Only analytes detected in at least one sample are presented on this table.

Feet bgs = Feet below ground surface.

mg/kg = Milligrams per Kilogram.

µg/kg = Micrograms per Kilogram.

ND (0.15) = Not detected at or above the specified laboratory reporting limit.

-- = Not Analyzed.

For Discussion Purposes Only

**Table 4**  
**Summary of Analytical Results for Soil Borings - SVOCs, OCPs, and PCBs**  
**920 Bayswater Avenue**  
**Burlingame, California**

Sample Location	Sample Identification	Depth (Feet bgs)	Date Collected	SVOCs (µg/kg)	OCPs (µg/kg)	PCBs (mg/kg)
SB-19	SB-19-3	3-3.5	3/7/2019	All ND	All ND	All ND
SB-20	SB-20-3	3-3.5	3/7/2019	All ND	All ND	All ND
SB-21	SB-21-3	3-3.5	3/8/2019	All ND	All ND	All ND
SB-22	SB-22-3	3-3.5	3/7/2019	All ND	All ND	All ND
SB-23	SB-23-3	3-3.5	3/8/2019	All ND	All ND	All ND
SB-24	SB-24-3	3-3.5	3/8/2019	All ND	All ND	All ND
SB-25	SB-25-3	3-3.5	3/8/2019	All ND	All ND	All ND
SB-26	SB-26-3	3-3.5	3/7/2019	All ND	All ND	All ND
	SB-26-5	5-5.5	3/7/2019	All ND	All ND	All ND
SB-27	SB-27-3	3-3.5	3/7/2019	All ND	All ND	All ND
	SB-27-5	5-5.5	3/7/2019	All ND	All ND	All ND
SB-28	SB-28-3	3-3.5	3/7/2019	All ND	All ND	All ND
	SB-28-5	5-5.5	3/7/2019	All ND	All ND	All ND
SB-29	SB-29-3	3-3.5	3/7/2019	All ND	All ND	All ND
	SB-29-5	5-5.5	3/7/2019	All ND	All ND	All ND
SB-30	SB-30-3	3-3.5	3/8/2019	All ND	All ND	All ND

**Notes:**

Detections are shown in **bold**.

SVOCs = Semivolatile organic compounds by U.S. EPA Test Method 8270C.

OCPs = Organochlorine Pesticides by U.S. EPA Test Method 8081..

PCBs = Polychlorinated biphenyls by U.S. EPA Test Method 8082.

Only analytes detected in at least one sample are presented on this table.

Feet bgs = Feet below ground surface.

mg/kg = Milligrams per Kilogram.

ND = Not detected at or above the laboratory reporting limit.

## For Discussion Purposes Only

**Table 5**  
**Summary of Analytical Results for Grab Groundwater - TPH, VOCs, and pH**  
**920 Bayswater Avenue**  
**Burlingame, California**

Sample Location	Sample Identification	Date Collected	Total Petroleum Hydrocarbons			VOCs	pH
			TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	PCE (µg/L)	
SB-19	SB-19-GW	3/7/2019	ND (50)	<b>180</b>	<b>320</b>	ND (0.50)	--
SB-22	SB-22-GW	3/7/2019	ND (50)	<b>74</b>	<b>94</b>	<b>5.8</b>	6.5
SB-27	SB-27-GW	3/7/2019	ND (50)	<b>500</b>	<b>490</b>	ND (0.50)	--

**Notes:**

Detections are shown in **bold**.

TPHg = Total petroleum hydrocarbons quantified as gasoline by U.S. EPA Test Method 8015B.

TPHd = Total petroleum hydrocarbons quantified as diesel by U.S. EPA Test Method 8015B.

TPHmo = Total petroleum hydrocarbons quantified as motor oil by U.S. EPA Test Method 8015B.

VOCs = Volatile organic compounds by U.S. EPA Test Method 8260B.

pH = by U.S. EPA Test Method 9040C.

PCE = Tetrachloroethene

µg/L: Micrograms per Liter.

ND (0.15): Not detected at or above the specified laboratory reporting limit.

--: Not Analyzed.

Table 6  
 Summary of Analytical Results for Grab Groundwater - Metals  
 920 Bayswater Avenue  
 Burlingame, California

Sample Location	Sample Identification	Date Collected	Arsenic (µg/L)	Barium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Zinc (µg/L)
SB-22	SB-22	3/7/2019	0.11	0.43	0.25	0.055	0.092	0.00037	0.28	0.15

**Notes:**

Detections are shown in **bold**.

Total Metals by U.S. EPA Test Methods 6010B and 7471A.

Only metals detected in one or more water sample are presented on this table.  
 µg/L: Micrograms per liter.

## **ILLUSTRATIONS**



SAN FRANCISCO BAY

Burlingame

U.S. Highway 101

Howard Avenue

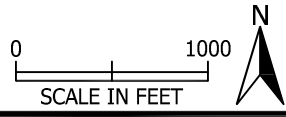
Bayswater Avenue

California Drive

El Camino Real

**PROJECT SITE**

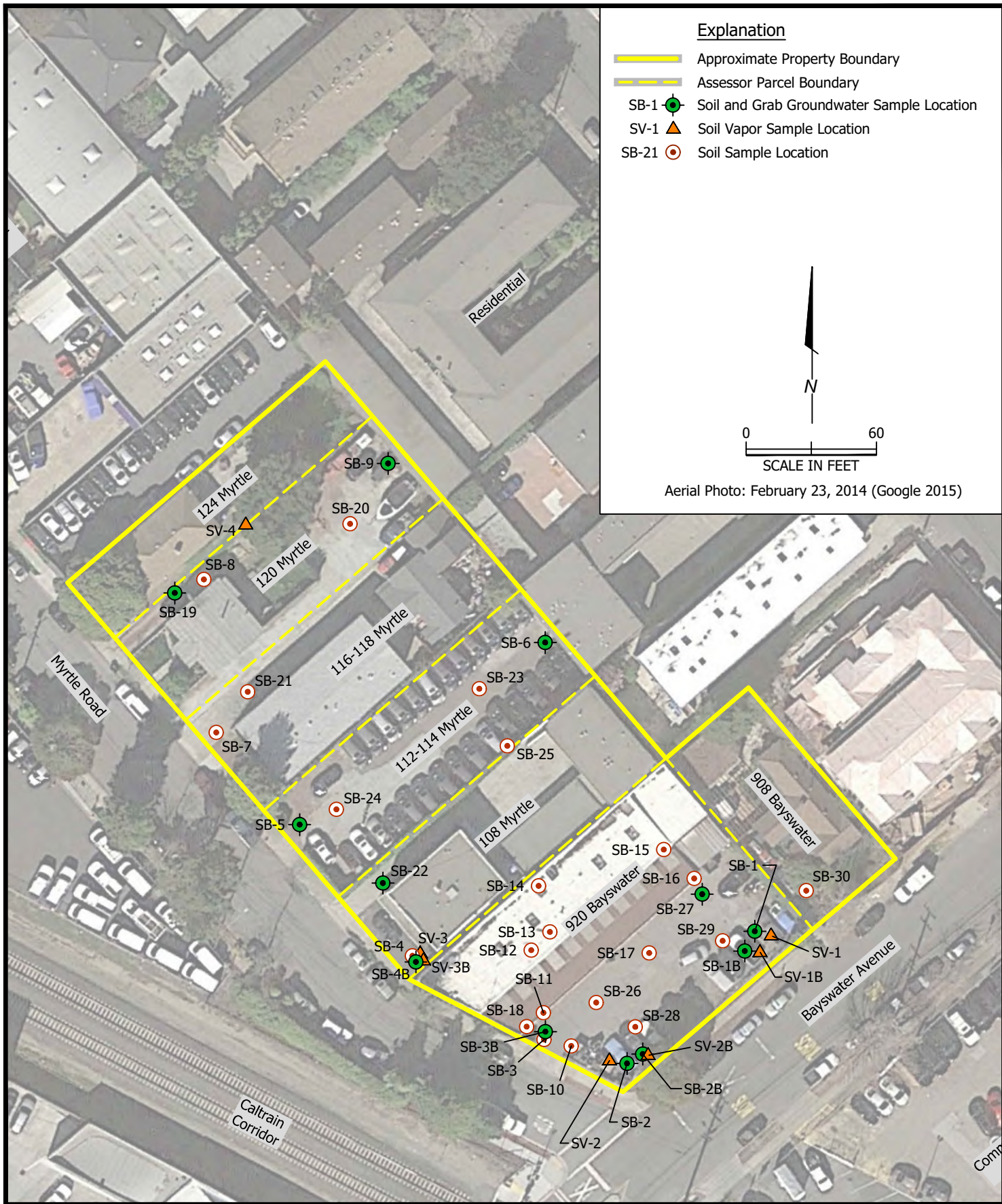
Aerial Photo: February 23, 2014 (Google 2015)



**PES Environmental, Inc.**  
Engineering & Environmental Services

**Site Location**  
Site Management and Contingency Plan  
908 and 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE  
**1**



**Site Plan and Sample Locations**

Site Management and Contingency Plan  
908 and 920 Bayswater Avenue and 108-124 Myrtle Road  
Burlingame, California



**APPENDIX A**

**PRIOR ENVIRONMENTAL INVESTIGATION DOCUMENTS**



A Report Prepared for:

Fore Green Development, LLC  
20 South Santa Cruz Avenue, #300  
Los Gatos, California 95030

Attn: Mr. Mark Pilarczyk

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
908 & 920 BAYSWATER AVENUE AND  
108 THROUGH 124 MYRTLE ROAD  
BURLINGAME, CALIFORNIA**

**MAY 19, 2017**

By:

A handwritten signature in blue ink, appearing to read "G. George", is written over a horizontal line.

Gregory George, P.G., C.E.G.  
Project Geologist

A handwritten signature in blue ink, appearing to read "William W. Mast", is written over a horizontal line.

William W. Mast, P.G.  
Principal Engineer

**1530.001.01.001**

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D – HISTORICAL TOPOGRAPHIC MAPS

E – CITY DIRECTORY ABSTRACT

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I – RESUMES OF ENVIRONMENTAL PROFESSIONALS

DISTRIBUTION

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## 1.0 INTRODUCTION

### 1.1 Purpose and Scope of Work

This report presents the results of a Phase I Environmental Site Assessment (ESA) for the commercial and residential properties located at 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road in Burlingame, California (collectively, the site or subject property). The site location is shown on Plate 1, and the subject property and vicinity are shown on Plate 2. PES Environmental, Inc. (PES) performed the Phase I ESA on behalf of Fore Green Development, LLC (Fore Green) to compile and evaluate available information to assess potential Recognized Environmental Conditions (RECs) associated with the site. PES understands that Fore Green is considering acquisition of the property for redevelopment purposes and that the Phase I ESA is a component of its environmental due diligence.

The ESA was performed pursuant to our proposal (Reference No. 1530.001.01.P01) dated April 12, 2017, and in general accordance with ASTM International guidelines for Phase I Environmental Site Assessments (ASTM E1527-13). These guidelines comply with the U.S. Environmental Protection Agency's All Appropriate Inquiries (AAI) rule adopted in November 2013. The following tasks were conducted during this ESA:

- Federal, State, and local agency databases were reviewed to identify nearby sites that have reported the use, storage, or release of hazardous materials;
- Regulatory agency records regarding the site and adjacent properties were reviewed;
- Historical aerial photographs, Sanborn® Fire Insurance maps, and historical topographic maps of the site and surrounding area were evaluated, as available, to assess prior land uses;
- Individuals with knowledge of the site were interviewed;
- An inspection of the site and a reconnaissance of surrounding properties were performed to assess the potential for contamination of the site from onsite or offsite sources. The site inspection was conducted by an environmental professional with qualifying experience; and
- This report was prepared presenting the results of the Phase I ESA assessment.

A Recognized Environmental Condition, or REC, is defined in the ASTM International guidelines (ASTM E1527-13) as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. A controlled REC (CREC) is 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 (e.g., property use restrictions, activity/use limitations, institutional controls, or engineering controls). A historical REC (HREC) is 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 meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

*De minimis* conditions are defined by ASTM as conditions that generally do 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 government agencies. A *de minimis* condition is not a REC and not a CREC.

## **1.2 Special Terms and Conditions**

The ESA activities were conducted in general accordance with ASTM E1527-13. There are no other special terms or conditions for this report.

## **1.3 Limitations and Exceptions**

This Phase I ESA was performed in accordance with practices and procedures generally accepted in the consulting environmental engineering profession at the time and place they were performed. The findings, opinions, conclusions, and recommendations expressed herein are applicable as of the date the services were provided. Our professional judgment to assess the potential for contamination is based on limited data; no warranty is given or implied.

The Phase I ESA was prepared at the request of Fore Green and may be relied on only by Fore Green, and as provided for in the Agreement. No other party may rely on this report without the express written permission of Fore Green and PES.

PES was not provided information regarding the value or purchase price of the subject property, nor prices of comparable properties in the site vicinity. In accordance with ASTM E1527-13, an evaluation of the purchase price relative to those of comparable properties should be conducted by the user of this Phase I ESA, as applicable.

## **2.0 SITE DESCRIPTION**

PES retained Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to research and compile available historical physiographic, hydrologic, and property use information, as well as relevant maps and imagery, for the subject property and vicinity. A summary description of the subject property and vicinity based on the data provided by EDR, research conducted by PES, and information provided by Fore Green and subject property representatives, is presented below.

## **2.1 Location and Description**

The subject property consists of seven legal parcels identified by San Mateo County Assessor's Parcel Numbers (APN) 029-235-160, -170, -180, -190, -200, -210, and -220, covering a total of approximately 1.27 acres. The subject property includes street addresses 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road in Burlingame, California.

## **2.2 Site and Vicinity Characteristics**

The parcels comprising the subject property are accessed via driveways off Bayswater Avenue and Myrtle Road. The site is located in a residential/commercial/light industrial mixed-use area within the City of Burlingame and County of San Mateo, California. Land uses identified at the subject property consist of:

- Single-family residences (908 Bayswater Avenue and 118, 120, and 124 Myrtle Road);
- Auto repair (Hower Auto Repair; 920 Bayswater Avenue);
- Multi-family residences (108 and 116 Myrtle Road);
- Offices (Vacant; 108 Myrtle Road);
- Paved vehicle storage areas (112 and 114 Myrtle Road) for nearby auto dealers; and
- Paved and unpaved parking areas, driveways, and landscaped areas associated with site buildings.

The site is bounded to the northwest by a paved vehicle storage yard with an auto repair shop (Burlingame Auto Clinic) and to the northeast by single- and multi-family residences and associated parking areas. The site is bounded to the southwest by Myrtle Road, with a paved vehicle storage yard and Caltrain railroad corridor beyond, and to the southeast by Bayswater Avenue with a paved vehicle storage yard, paved parking areas, and an auto body shop (Chilton Auto Body) beyond. The parcels comprising the subject property and adjacent areas are shown on Plate 2.

## **2.3 Physical Setting**

According to the United States Geological Survey (USGS) *San Mateo, California* Quadrangle 7.5-minute series topographic map dated 2012, the site is situated at an elevation of approximately 30 feet above mean sea level. The site is relatively flat but slopes regionally to the north, toward San Francisco Bay.



## **2.4 Geology and Hydrogeology**

Regional geology is characterized as fine-grained younger alluvial fan deposits comprised of unconsolidated, moderately-sorted fine-grained sand, silt, and clayey silt (USGS, Lajoie et al., 1974). According to the California Department of Water Resources (DWR, 2003), the site is located within the San Mateo Plain subbasin of the Santa Clara Valley groundwater basin of the San Francisco Bay Hydrologic region (California Regional Water Quality Control Board Region 2).

PES performed a subsurface investigation at the site in 2015 and identified sandy clays, silt, and silty to clayey sands to an approximate depth of 13 feet below ground surface (bgs), underlain by clay and sandy clay of increasing stiffness interfingering with sand to a maximum explored depth of 30 feet bgs (PES, 2015). The same investigation indicated groundwater was encountered at depths between approximately 19.5 and 23 feet bgs.

Shallow groundwater flow has been reported toward the east, northeast, and southeast at sites within ¼-mile of the subject property, generally in the direction of San Francisco Bay, with local variation.

## **2.5 Hydrologic Information**

The nearest significant surface water body is Burlingame Lagoon located approximately 0.5-mile north of the site. Burlingame Lagoon is an artificial tidal slough that discharges to San Francisco Bay.

As shown in the database report from EDR (Appendix A), there are no National Wetlands Inventory (NWI) identified wetlands within the site boundary. However, NWI identified wetlands are present within 1-mile north, northwest, and northeast of the site, generally associated with the San Francisco Bay margin and Burlingame Lagoon.

The EDR database report indicates that that subject property lies within the 500-year flood zone as defined by the Federal Emergency Management Agency (FEMA).

## **2.6 Descriptions of Existing Onsite Structures and Improvements**

### **2.6.1 Structures and Current Use**

Structures and land use identified at the subject property are summarized below.

- 908 Bayswater Avenue – The parcel contains an occupied single-family residence reportedly constructed in 1934. The building consists of single-story, wood-frame construction, with a concrete spread-footing foundation, and a crawl space. A detached wood-frame storage shed, currently used primarily for bicycle storage and maintenance, is present on the northwest end of the property. Outdoor areas consist of irrigated landscaping, a lawn, and hardscaping;

- 920 Bayswater Avenue – The parcel contains a single-story commercial/industrial building reportedly constructed circa 1950, consisting of a slab-on-grade foundation and steel frame and corrugated metal construction. The building is currently used as an auto repair shop (Hower Auto Repair). An office, locker room, and restroom are located within the auto shop. The northeastern-most auto service bay is segregated from the rest of the building with a steel frame and drywall divider. The building is accessed via five adjacent roll-up doors spanning the southeast face of the building. The building floor is bare concrete, and the parking area is covered with asphaltic pavement;
- 108 Myrtle Road – The parcel contains two structures. The southwestern building is a two-story, wood-frame, slab-on-grade structure constructed circa 1920s. This building contains one ground-level office space currently vacant, two ground-level residential apartments, and two second-story residential apartments. The northeastern building is a two-story, concrete block, slab-on-grade structure built in 1953. The northeast building contains ground level carports and storage units beneath three second-floor residential apartment units. Reportedly, all residential units at the property are currently occupied. Three single-story lockable garages/storage units are attached to the northeastern building;
- 112 and 114 Myrtle Road – The parcel consists of an approximately 7,500-square foot asphalt-paved parking area currently used for new vehicle storage by an offsite, nearby auto dealership (Putnam Auto Group). No structures are currently present at the property;
- 116 and 118 Myrtle Road – The parcel contains two structures, including a multi-family residential apartment building (identified as 116 Myrtle Road) and a detached residential unit at the northeast end of the property (118 Myrtle Road) with a connected garage and second-story loft unit. Reportedly, all residential units at the property are currently occupied. Outdoor areas at 116 and 118 Myrtle Road consist of minor areas of landscaping, brick and concrete driveway hardscaping, and access paths;
- 120 Myrtle Road – The parcel contains an occupied single-family residence reportedly built before 1950. The building is of single-story, wood-frame construction, with a concrete stem wall foundation and crawl space. A detached wood-frame garage with concrete slab floor, currently used for storage of household items, is present at the northwest edge of the property. Outdoor areas consist of landscaping, a lawn, hardscaping, and a gravel driveway. In addition, the northeastern portion of the property consists of a gravel parking area used by Hower Auto Repair as overflow parking for its vehicle repair operations (all vehicle repair work is reportedly performed at 920 Bayswater Avenue); and

- 124 Myrtle Road – The parcel contains an occupied single-family residence reportedly constructed in the early 1920s. The building is of single-story, wood-frame construction, with a concrete stem wall foundation and crawl space. A detached wood-frame garage with concrete slab floor, currently used for storage of household items, construction materials, and an unused automobile, is present at the southeast edge of the property. Outdoor areas consist of landscaping, a lawn, and hardscaping.

### **2.6.2 Other Improvements**

Utility services (electrical and natural gas) at the subject property are provided by Pacific Gas and Electric Company (PG&E). Water is supplied by the City of Burlingame Water Division and the site is connected to the local sanitary sewer and storm sewer systems administered by Burlingame Department of Public Works, Streets and Sewer Division. Based on a visual inspection of the subject property and vicinity, gas, water, and sewer service are supplied via underground lines, while electrical service is supplied via overhead lines.

### **2.7 Current Uses of Adjoining Properties**

A reconnaissance of the surrounding area was performed to assess whether neighboring sites represent a potential environmental condition that could affect the subject site. The current uses of the adjoining properties as observed during the reconnaissance are summarized below.

#### **Properties to the Northwest**

The site is bounded to the northwest by a paved parking lot used for vehicle storage (130 Myrtle Road). Commercial properties farther to the northwest are occupied by Burlingame Auto Clinic (an auto repair shop; 132 Myrtle Road), Dean's Auto Body and Painting (136 Myrtle Road), Datsonville auto service center (927 Howard Avenue), and Coast Gasoline service station/Olde English Garage (988 Howard Avenue).

#### **Properties to the Northeast**

The site is bounded to the northeast by multi-family residences and associated paved parking areas.

#### **Properties to the Southeast**

The site is bounded on the southeast by Bayswater Avenue with an auto body shop (Chilton Auto Body) and paved parking areas currently used for vehicle storage (Putnam Auto Group) located at 925 Bayswater Avenue farther to the southeast.

## Properties to the Southwest

The site is bounded to the southwest by Myrtle Road, with a paved vehicle storage area and a Caltrain railroad corridor beyond. Properties located southwest of the railroad corridor, along California Avenue, are primarily occupied by auto dealerships and associated service centers, including Putnam Auto Group (multiple dealerships), Mike Harvey Honda, Burlingame Collision Center, Benz Doctor, Eagle Car Wash, and Nissan of Burlingame.

## 2.8 Past Uses of Property and Adjoining Properties

Historical site use information was obtained through a review of aerial photographs, historical topographic maps, Sanborn® fire insurance maps, and city directories.

### **2.8.1 Historical Sources**

Site use information was obtained through a review of the following list of historical sources. The results of the review of these sources are summarized below:

- **Aerial Photographs:** Aerial photographs obtained from the EDR database report were reviewed for the following years: 1943, 1946, 1956, 1963, 1968, 1974, 1982, 1993, 1998, 2005, 2009, 2010, and 2012. A summary of the aerial photograph review and copies of the photographs are presented in Appendix B;
- **Sanborn® Fire Insurance Maps:** EDR provided Sanborn® fire insurance maps for the following years: 1908, 1913, 1921, 1946, 1949, 1959, and 1970. A copy of the certified Sanborn® map report is presented in Appendix C;
- **Topographic Maps:** The following USGS Quadrangle maps were provided by EDR: *San Mateo, CA* 15-minute series topographic maps produced in 1896, 1899, 1915, and 1939, and *San Mateo, CA* 7.5-minute series topographic maps produced in 1947, 1949, 1956, 1968, 1973, 1980, 1993, 1997, and 2012. A summary of the topographic map review and copies of the maps are presented in Appendix D; and
- **City Directories:** A search of city directories was performed by EDR for the years from 1970 to 2013 in approximately 5-year intervals. A summary of the city directories review and copies of the directory listings are presented in Appendix E.

### **2.8.2 Historical Review Summary**

#### Subject Property

The following provides historical use information for the subject property based on available historical resources listed in the previous sections.

- 908 Bayswater Avenue – The property appears to have been undeveloped until construction of the existing single-family residence between 1921 and 1946;

- 920 Bayswater Avenue – The property appears to have been undeveloped until construction of the existing commercial building between 1949 and 1959. The EDR City Directory Report lists the subject property as being occupied by Hower Auto Repair from 1970 through 2013, as well as Steeles Auto Body in 1970 and B&G Glass in 1980 and 1985. Sanborn® fire insurance maps provided by EDR indicate a spray paint booth was present at the property in 1959 and 1970;
- 108 Myrtle Road – The property appears to have been undeveloped until construction of the existing office/apartment building at the southwest portion of the property between 1921 and 1946. An additional structure consistent with the existing apartment building in the northeast portion of the property appears to have been constructed between 1949 and 1959. The EDR City Directory Report lists the subject property as being occupied by Refvem Construction Company in 1970, Ohlund and Company from 1970 through 1980, Studio B Art Gallery from 1980 through 2008, and Skincare by Shannon in 2013;
- 112 and 114 Myrtle Road – The property appears to have been undeveloped until the appearance of multiple small structures between 1908 and 1913. Additional structures appear to have been constructed at the property between 1913 and 1921. One additional structure appears to have been built at the property between 1921 and 1946. The northeastern-most structure at the property appears to have been demolished between 1968 and 1974, and the remaining structures appear to have been demolished between 1974 and 1982;
- 116 and 118 Myrtle Road – The property appears to have been undeveloped until the appearance of a small structure, inconsistent with the present-day site configuration, between 1943 and 1946. The structure appears to have been removed, and a new structure built consistent with the present-day 118 Myrtle Road residence, between 1946 and 1956. The existing two-story apartment building at the property appears to have been constructed between 1956 and 1959;
- 120 Myrtle Road – The property appears to have been undeveloped until construction of the existing single-family residence between 1921 and 1946; and
- 124 Myrtle Road – The property appears to have been undeveloped until construction of the existing single-family residence between 1908 and 1913. An additional structure, consistent with the present-day garage at the property, appears to have been constructed between 1913 and 1921.

### Subject Property Vicinity

The earliest available historical document (1899 historical topographic map) shows the subject property vicinity as sparsely developed for residential and commercial use, with the Monterey Line of the Southern Pacific Railroad (SPRR) located southwest of the site, consistent with the location of the present-day Caltrain rail corridor. Several roads and small structures are present.

Significant urban development is apparent in the site vicinity between approximately 1915 and 1947. Notable findings from PES' review of historical records for the vicinity of the site include the following:

- A former auto repair shop, located southeast of the site at 925 Bayswater Avenue, prior to 1913;
- The former Burlingame Home Bakery, which utilized fuel oil, located northwest of the site, across Howard Avenue, circa 1913;
- A former lumber yard located southwest of the site across Myrtle Road, prior to 1913;
- A former city storage yard located southwest of the site across Myrtle Road, circa 1913;
- A former SPRR freight depot located southwest of the site across Myrtle Road, between approximately 1921 and 1970;
- The former Cahalan Company yard located southeast of the site across Bayswater Avenue between approximately 1921 and 1946. The yard included an open coal storage shed;
- Multiple auto sales and service facilities, generally constructed between 1921 and 1946;
- The former Peninsula Lumber and Supply Company yard located southeast of the site across Bayswater Avenue between approximately 1946 and 1970. The yard included an open lime and plaster storage area;
- The former Associated Oil Company yard located approximately 450 feet southeast of the site circa 1921. The yard contained multiple aboveground oil storage tanks;
- A former neon sign facility located at 144 Myrtle Road, located approximately 120 feet northwest of the site, between approximately 1946 and 1970;
- A former plastic products manufacturing facility located at 925 and 927 Howard Avenue, northwest of the site, between approximately 1946 and 1970; and
- A former tin shop located at 925 and 927 Howard Avenue, located approximately 120 feet northwest of the site, circa 1970.

### **3.0 USER PROVIDED INFORMATION**

#### **3.1 Title Records**

Records obtained from the San Mateo County Recorder's office include a trust transfer deed dated October 2003, naming John C. Hower and Donna W. Hower as grantors, and transferred to grantees John C. Hower and Donna W. Hower, Co-trustees of the John C. Hower and Donna W. Hower 2003 Family Trust. EDR's Environmental Lien and Activity Use Limitation (AUL) Search report, including a copy of the transfer deed, is provided as Appendix F.

Other title records were not provided to PES for the preparation of this Phase I ESA.

#### **3.2 Environmental Liens or Activity/Use Limitations**

Copies of environmental liens, activity limitations, and use limitations were not provided to PES for the preparation of this Phase I ESA, and PES is not aware of any such liens or activity/use limitations associated with the subject property. EDR's Environmental Lien and AUL Search report is provided as Appendix F.

#### **3.3 Specialized Knowledge**

PES does not possess any specialized knowledge regarding the subject property. Also, as noted below, Fore Green has reported to PES that it has no specialized environmental knowledge regarding the subject property.

#### **3.4 Owner, Property Manager, and Occupant Information**

As part of this Phase I ESA, Key Site Manager Questionnaires were completed by subject property representatives Ms. Julie Baird (co-owner and resident of the 908 Bayswater Avenue property), Mr. John Hower (co-owner and operator of the 920 Bayswater Avenue and co-owner and manager of the 112 through 120 Myrtle Road properties), Mr. John Ohlund (co-owner and manager of the 108 Myrtle Road property), and Ms. Doris Mortensen (owner and resident of the 124 Myrtle Road property). Mr. Hower also provided an annotated facility map summarizing his knowledge of historical and existing features of potential environmental interest at the 920 Bayswater Avenue property (Appendix G). Mr. Ed Allison, the current occupant of the 120 Myrtle Road property, was also interviewed to confirm site use. Based on the responses to the questionnaires and information provided verbally, the following site conditions were identified:

- 908 Bayswater Avenue – An inspection report for the property (Hill, 2004) reported the presence of asbestos containing materials (ACM) in heating pipe insulation at that property;

- 920 Bayswater Avenue (Hower Auto Repair) – Specific information is summarized below;
  - Former underground storage tank – Mr. Hower stated an underground storage tank (UST) and pump island used for refueling automobiles were installed by his father, former owner of the auto repair shop, during the 1960s and removed sometime during the late 1970s. According to Mr. Hower, the UST and pump island were removed and disposed offsite by a contractor with City of Burlingame officials present. Mr. Hower recalled the UST did not exhibit any holes or leaks at the time of removal, and no stained soil or evidence of product release was observed following removal. According to Mr. Hower, there are no USTs currently present at the property;
  - Former in-ground hydraulic lift – Mr. Hower stated a two-post in-ground hydraulic lift was removed during his father’s ownership of the property, at an unknown date, due to difficulties leveling vehicles using the lift, resulting in a potential safety hazard. Mr. Hower recalled evidence of leaking hydraulic fluid may have been present following removal of the lift, but to his knowledge no soil removal or other remedial activity was performed prior to backfilling. Two additional in-ground hydraulic lifts are present and in use at the property;
  - Former waste oil sump – Mr. Hower stated a waste oil collection sump was removed from service during his father’s ownership of the property, at an unknown date. Reportedly, fluid was removed from the sump and properly disposed, and the sump was filled with sand and capped with concrete. Mr. Hower was not aware of the condition of the waste oil sump at the time it was abandoned. An additional sump is currently present at the property, which is reportedly used solely for collection of vehicle wash water;
  - According to Mr. Hower, the enclosed auto service bay at the northeast end of the property has historically been subleased to other businesses, including an auto body shop (Steele Auto Body) and a glass shop (B&G Glass). Mr. Hower indicated that activities conducted at the former body shop reportedly include auto painting, although no paint booth has been located at the property. In addition, Mr. Hower reported that prior to purchase of the property by Hower Auto Body circa 1958, the existing building housed an auto body shop (Dick Bullis Body Shop); and
  - A property information disclosure document provided by Mr. Hower indicated some fluorescent lighting in the shop was not functioning, possibly indicating bad/old ballasts.
- 108 Myrtle Road (present-day office and multi-family residences) – According to Mr. Ohlund, the ground floor front unit at the property was historically used as a blacksmithing shop and subsequently as an office and storage space for a construction company, an art gallery, and a day spa. The unit is currently used by an electrician as an office space.



Copies of completed Key Site Manager Questionnaires for the subject property are provided in Appendix H.

#### **4.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS**

As part of pre-acquisition due diligence activities for a prospective purchaser that did not complete the real estate transaction, PES conducted a Phase II subsurface investigation of the subject property in July 2015. The investigation consisted of soil, soil vapor, and grab groundwater sampling to evaluate for petroleum hydrocarbons and VOCs from on-site and off-site sources. The investigation did not identify significant contamination related to vehicle repair and maintenance activities at the site, or from potential off-site sources of contamination. However, low concentrations of PCE were detected in soil matrix samples (up to 10  $\mu\text{g}/\text{kg}$ ) and in one soil vapor sample (at 70.7  $\mu\text{g}/\text{m}^3$ ), and petroleum hydrocarbon-related compounds (TPHmo, benzene, toluene, ethylbenzene, and/or xylenes) were detected in several soil and soil vapor samples.

In accordance with San Mateo County Groundwater Protection Program drilling application requirements, a data package consisting of tabulated data, site maps, boring logs, and analytical laboratory reports was submitted to the County on August 12, 2015. A copy of the data package is provided in Appendix G.

#### **5.0 ENVIRONMENTAL AGENCY DATABASES AND RECORDS REVIEW**

On behalf of PES, EDR compiled information from Federal, State, and local environmental databases for the subject property and vicinity. PES also obtained and reviewed pertinent environmental records from local and/or state government agencies for the subject property and vicinity. A summary of findings based on PES' review of the database search results environmental records provided by EDR and applicable government agencies is presented below.

##### **5.1 Environmental Liens**

Fore Green did not provide information indicating the presence of environmental liens or activity/use limitations (AULs) on the subject property.

Based on a review of environmental database search results provided by EDR, there are no Federal Superfund (National Priority List [NPL]) liens, State environmental deed restrictions, or AULs associated with the 920 Bayswater Avenue property (Hower Auto Repair). EDR did not attempt to research potential liens, deed restrictions, or AULs associated with the 908 Bayswater Avenue or 108 through 124 Myrtle Road properties based on the known historical use of these properties.

AULs were not identified for the subject property. As such, no evaluation of AUL compliance was performed for this assessment.

## **5.2 Standard Environmental Record Sources**

The discussion presented in this section is based on available information provided by environmental agencies and databases. An EDR database report, dated April 20, 2017, contains listings of sites that are located within a 1-mile radius which were selected in accordance with the ASTM E1527-13 standard. This information is obtained from computerized databases of Federal, State, and local environmental records. The database report, which includes descriptions of the listings, is provided in Appendix A.

The following regulatory agency databases were searched and reported in the EDR report:

- U.S. Environmental Protection Agency (U.S. EPA) – Comprehensive Environmental Response Compensation, and Liability Information System (CERCLIS);
- U.S. EPA – CERCLA NPL;
- U.S. EPA – CERCLA Proposed NPL;
- U.S. EPA – Superfund (CERCLA) Consent Decrees (CONSENT);
- U.S. EPA – CERCLA Records of Decision (ROD);
- U.S. EPA – CERCLA NPL Deletions;
- U.S. EPA – CERCLA No Further Remedial Action Planned Site (CERC-NFRAP);
- U.S. EPA – Facility Index System (FINDS);
- U.S. EPA – Emissions Inventory Data (EMI);
- U.S. EPA – Emergency Response Notification System (ERNS);
- U.S. EPA – Hazardous Materials Information Reporting System (HMIRS);
- U.S. EPA – Material Licensing Tracking System (MLTS);
- U.S. EPA – Mines Master Tracking Index File (MINES);
- U.S. EPA – Federal Superfund Liens (NPL Liens);
- U.S. EPA – PCB Activity Database System (PADS);
- U.S. EPA – RCRA Administrative Action Tracking System (RAATS);

- U.S. EPA – Section 7 Tracking Systems (SSTS);
- U.S. EPA – Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA)/Toxic Substance Control Act (TSCA) Tracking System (FTTS);
- U.S. EPA – Resource Conservation and Recovery Information System (RCRAInfo), Treatment, Storage, or Disposal (TSD) facilities, and Small Quantity and Large Quantity Generators (SQG and LQG) of hazardous waste;
- U.S. EPA - RCRA Corrective Action Report (CORRACTS);
- U.S. EPA - Toxic Chemical Release Inventory System (TRIS);
- California State Water Resources Control Board (SWRCB) – Leaking Underground Storage Tank Listing (LUST) sites including Indian Land;
- SWRCB –Above-ground Storage Tank (AST) sites;
- SWRCB – Registered underground storage tank (UST) sites;
- SWRCB – Voluntary Cleanup Sites (VCP);
- SWRCB – Solid Waste Facilities (SWF/LF); and
- Department of Toxic Substances Control (DTSC) – Voluntary Cleanup Program (VCP).

The following agency websites were also searched for environmental records related to the subject property:

- California State Water Resources Control Board’s (SWRCB) GeoTracker website located at <http://geotracker.waterboards.ca.gov/>; and
- Department of Toxic Substances Control’s (DTSC) EnviroStor website located at <http://www.envirostor.dtsc.ca.gov/public/default.asp>.

### **5.2.1 Subject Property Database Listings and Records Review**

The following parcels within the subject property were identified in the EDR Radius Map report:

- 920 Bayswater Avenue is listed on the EDR Hist Auto Station (from 1999 through 2012), HIST UST, and San Mateo Co. BI (Business Inventory) databases in association with Hower Auto Repair operations. The HIST UST database lists three historical USTs at the property, including one 200-gallon waste oil UST, one 550-gallon gasoline UST, and one UST of unknown size and contents. The San Mateo Co. BI database

indicates the facility has been permitted to generate and recycle waste oil and solvents, and to store motor vehicle fuel or waste. No releases or violations were listed in connection with the property; and

- 108 Myrtle Road (Unit #4) is listed on the RCRA NonGen/NLR and FINDS database in association with Mile High Trucking for the year 1987. Mile High Trucking is listed as a non-generator transporter of hazardous waste. The database reports did not list any violations for the property.

Based on a search of the SWRCB GeoTracker and DTSC EnviroStor websites, no files for the subject property are maintained by these agencies.

Records were requested from the Central County Fire Department (CCFD; jurisdiction in the cities of Burlingame, Hillsborough, and Millbrae) to evaluate historical uses of the subject property. CCFD files were available for the 920 Bayswater Avenue and 108 and 116 Myrtle Road properties, and were reviewed on April 26, 2017. Files containing potentially pertinent to the environmental condition of the site are summarized below:

- **920 Bayswater Avenue (Hower Auto Repair)**
  - In February 1963, a permit was issued by the City of Burlingame Fire Department (now CCFD) to install one 550-gallon UST and dispenser at the property. The tank installation plan, submitted by Bendick Construction Company, indicated the tank was to be wrapped, vented, and installed beneath 2 feet of cover material and capped with a 6-inch concrete slab. The permit was renewed in 1977 and again in 1983. In April 1987, a permit, which included a tank removal plan, was issued by the CCFD for closure of the UST. The permit application was filed by tank removal contractor Oil Heat Engineering Company of San Mateo, and specified disposal of the tank at 431 Hatch Road, Modesto, California and soil analysis by Cal Water Lab. A waste manifest/bill of lading for the tank, laboratory analytical data for the property, or other documentation of tank removal were not available during the CCFD file review;
  - In 1984, following an annual inspection the CCFD issued a violation to Hower Auto Repair citing improper storage of kerosene. The notice records the issue was corrected and no further notices of violation were issued regarding kerosene storage; and
  - A hazardous materials inventory statement filed by Hower Auto Repair in 2004 indicated storage and/or use of new and waste motor oil, transmission fluid, and antifreeze in quantities up to 240 gallons.

- **108 Myrtle Road**

- In 1979, the CCFD responded to an automobile engine fire at the property. The fire was reportedly contained.
- In 1985, CCFD responded on multiple occasions to reports of burning garbage at the property, which were contained. A CCFD investigation concluded the fires were set deliberately.

Records were requested from the San Mateo County Environmental Health Department (SMCo) to evaluate historical uses of the subject property. SMCo files were available for the 920 Bayswater Avenue property, and were provided electronically to PES on April 28, 2017. File information that is potentially pertinent to environmental issues at the site are summarized below:

- 920 Bayswater Avenue (Hower Auto Repair) – A laboratory analytical report was issued by California Water Labs of Modesto, California for a soil sample collected at the property on April 22, 1987. The lab report is associated with a UST removal permit. According to SMCo notations on the executed permit, one soil sample was collected from beneath the former UST (beneath the former fill port) at the time of tank closure. The sample was analyzed for total lead, benzene, toluene, xylene, and gasoline. Total lead was detected at a concentration of 10 milligrams per kilogram (mg/kg). Benzene, toluene, and xylene were not reported above the detection limit of 10 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) and gasoline was not reported above the detection limit of 1 mg/kg.

Files for the subject property were reviewed at the City of Burlingame Building Department on April 26, 2017. Files were available for the 920 Bayswater Avenue and 108 and 116 Myrtle Road properties, and consisted of building construction remodeling permits. File information potentially pertinent to the environmental condition of the site are summarized below:

- 112-114 Myrtle Road – Demolition permit applications for 112 Myrtle Road indicate that a residential structure was present at the property until at least 1978.

### 5.2.2 Surrounding Area

A large number of sites in the vicinity of the subject property are identified in the EDR Radius Map report (Appendix A) as being listed in one or more regulatory agency databases. The listed sites considered to represent a potential environmental condition with respect to the subject property are discussed below:

- Former Sterling Cleaners (215 California Drive) – Located approximately 700 feet west (potentially hydraulically upgradient) of the subject property, is listed on LUST, SLIC, and San Mateo Co. BI databases. San Mateo County Environmental Health (SMCo) currently oversees two open cases for the property, including a leaking underground storage tank (LUST) case and spills, leaks, investigation, and cleanup (SLIC) program

case. Contaminants identified at the property include petroleum hydrocarbons (primarily Stoddard solvent and total petroleum hydrocarbons as diesel [TPHd]) and volatile organic compounds (VOCs). According to Green Environment Inc., the extent of petroleum hydrocarbons in groundwater at the property has not been fully characterized, and tetrachloroethene (PCE) is present in site groundwater likely due to an off-site source (Green, 2014).

- Sterling Cleaners (Current; 1140 Howard Avenue) – Located approximately 700 feet west (potentially hydraulically upgradient) of the subject property, is listed on the EDR dry cleaners, LUST, SLIC, San Mateo Co. BI, RCRA-SQG, FINDS, Drycleaners, and HAZNET databases. A voluntary cleanup program case was opened by SMCo in March 2015 citing PCE detected in soil vapor at the property. The extent of PCE in soil vapor and in groundwater, if any, has not been characterized.
- King Yee property, Harris property, and 200 Park sites (1200 and 1234 Howard Avenue, and 200 Park Road) – These properties, located approximately 1,000 feet west-southwest of the subject property, are subject to multiple open LUST cleanup cases overseen by SMCo and RWQCB. Contaminants identified at the properties include petroleum hydrocarbons and VOCs (including PCE and trichloroethene [TCE]). Multiple sources of contamination have been identified both on and off the properties, resulting in co-mingled groundwater plumes.
- EDR’s regulatory agency database search listed the following additional sites in the immediate vicinity of the subject property, but which were not identified as having releases or violations in connection with their respective operations:
  - Burlingame Auto Clinic (132 Myrtle Road);
  - Dean’s Auto Body and Painting (136 Myrtle Road);
  - Chilton Auto Body (925 Bayswater Avenue);
  - Datsonville auto repair (927 Howard Avenue);
  - Rick’s Texaco/Rick’s Beacon (currently Coast Gasoline; 988 Howard Avenue); and
  - Olde English Garage (988 Howard Avenue).

Other sites identified in regulatory agency databases in the surrounding area are not expected to present a significant environmental concern to the subject property based on one or more of the following: (1) the listed property has received case closure by the appropriate regulatory agency; (2) the listed property is either cross gradient or down gradient of the subject property with respect to the inferred northeasterly to southeasterly regional groundwater flow direction; (3) the listed property is a soils-only affected case; and (4) the listed property is located at too great a distance to represent a significant environmental condition with respect to the subject property.

## 6.0 SITE INSPECTION

An inspection of the subject property was conducted by Mr. Gregory George of PES on April 26, 2017. Mr. Ryan Young of Colliers International accompanied Mr. George during the inspection of the subject property. In addition, Mr. John Hower of Hower Auto Repair accompanied the inspections of the 920 Bayswater Avenue and 116 and 118 Myrtle Road properties. The inspections of the 108 and 124 Myrtle Road properties were accompanied by Mr. John Ohlund and Ms. Doris Mortensen, respectively.

Site photographs are presented on Plates 4 through 17. Pertinent findings of the subject property inspections are summarized below:

- **908 Bayswater Avenue** – The property contains a vacant single-family residence (Plate 4, Photo 1) and detached garage/shed currently used for bicycle maintenance. Small quantities of household products (paints, cleaning products, bicycle lubricants) were observed in storage in the residence and detached storage shed at the property. Product storage was appropriate, and no evidence of significant leaks or spills was noted. A dirt-filled galvanized ¾-inch metal riser pipe was observed in a landscaped area of the front yard (Plate 4, Photo 2). Ms. Julie Baird, property owner, stated she had no knowledge of purpose of the pipe or the historical presence of USTs at the property.
- **920 Bayswater Avenue** – The property is currently in use as an auto repair shop (Plate 5, Photo 1). Chemical storage at the property includes small quantity containers of automotive fluids, including brake and transmission fluids, motor oil, motor fuel, and cleaning fluids (Plate 7, Photo 1), as well as new and used vehicle batteries (Plate 8, Photo 2). Larger quantities of new and used motor oil (Plate 9, Photo 2), transmission fluid, and coolant are stored in 55-gallon drums and aboveground storage tanks (ASTs; see Section 6.3). PES observed two in-ground hydraulic lifts in use at the property (Plate 8, Photo 1), as well as concrete patching consistent with the historical location of an additional in-ground hydraulic lift.

A storm drain intake and sump, reportedly connected to the storm drain system and used to collect vehicle wash water only, was observed in the southwest portion of the property (Plate 6, Photo 2). Two automotive parts cleaners were located against the northwest wall of the shop and reportedly using non-recyclable aqueous cleaning agents (Plate 7, Photo 2). A portable brake washing station and an enclosed abrasive blasting cabinet (Plate 9, Photo 2) were observed in the northeastern portion of the property. Heavy staining was observed on shop floors and walls, reportedly due to historical *de minimis* spills and splashing of motor fluids during routine business operations. The concrete slab in the shop interior appeared to be in good condition, with the exception of concrete surrounding the storm drain intake and sump, which exhibited significant cracking (Plate 6, Photo 2). No evidence of significant leaks or spills was noted. Evidence of *de minimis* ground staining was noted throughout the asphalt parking area at the property.

- **108 Myrtle Road** – The property houses multiple occupied residential apartment units, a vacant office space, and storage units (Plate 10, Photos 1 and 2). Small quantity containers of household products (paints, petroleum products, solvents, cleaning products) were observed in storage in residences and storage units at the property. No evidence of significant leaks or spills was noted in storage areas;
- **112 and 114 Myrtle Road** – The property is currently unoccupied and used for storage of new vehicles (Plate 12, Photo 1). While de minimis staining was noted on asphalt at the property, evidence of chemical storage or use or significant leaks or spills was not observed. Garbage bags, apparently filled with leaves and debris, were observed stored at the property. The asphaltic pavement was generally in poor condition and exhibited evidence of historical ponding of water. A utility pole connected to overhead electrical service was observed along the east property boundary (Plate 12, Photo 2). A storm water drain intake was observed in the southwest portion of the property;
- **116 and 118 Myrtle Road** – This property is currently fully occupied and contains multiple residential apartment units, storage units, and a detached ground level residence, and storage units (Plate 13, Photo 1; Plate 15, Photo 1). Small quantity containers of household products (paints, petroleum products, cleaning products) were observed in storage in the ground floor residences and storage units at the property. Evidence of de minimis staining was noted on concrete beneath vehicles in carports. The backyard, crawl-space, and garage unit at the 118 Myrtle Road property were observed in-use for high-density storage of household items, small quantities of chemicals, and outboard boat motors (Plate 15, Photo 2; Plate 16; Photo 1). No evidence of significant leaks or spills was noted;
- **120 Myrtle Road** – The property contains an occupied single-family residence (Plate 16, Photo 2) and detached garage currently used for storage of household items. Small quantities of household products (i.e., paints, cleaning products) were observed in storage in the residence and detached garage at the property. No evidence of significant leaks or spills was noted. Multiple vehicles are stored in the gravel parking area toward the rear of the property (Plate 17, Photo 2), reportedly on a short-term basis, by Hower Auto Repair. Evidence of de minimis staining was noted on gravel beneath vehicles stored in the rear portion of the property. A 2-inch metal vertical riser pipe resembling well casing was observed in the gravel parking area located near the rear of the property. Mr. Hower stated they had no knowledge of the purpose or use of the riser. Inspection of the riser indicated it is open to a depth of approximately 2 to 3 feet bgs, and filled with dry soil below this depth. The presence of the riser near a hose bib indicates its possible use as a crash post to protect the hose bib; and
- **124 Myrtle Road** – The property contains an occupied single-family residence (Plate 17, Photo 2) and detached garage. Small quantities of household products (paints, cleaning products) were observed in storage in the residence, crawl space, and detached storage shed at the property. No evidence of significant leaks or spills was noted.



## **6.1 Undeveloped Areas**

There are no undeveloped areas on the subject property.

## **6.2 Underground and Aboveground Storage Tanks**

PES identified four ASTs in use at the 920 Bayswater Avenue property, in connection with auto repair shop operations at the property. The identified ASTs included:

- One approximately 100-gallon steel used motor oil AST. This AST is in the southwestern portion of the shop within a galvanized metal secondary containment pan. Documentation was provided to PES indicating used oil is removed from the UST approximately monthly by the shop's waste disposal contractor. The AST and containment appeared to be in generally good condition and no evidence of significant leaks or spills was noted;
- One approximately 250-gallon steel automatic transmission fluid AST and dispenser, located in the southwestern portion of the shop. Secondary containment was not observed, but the AST appeared to be in generally good condition and no evidence of significant leaks or spills was noted; and
- Two approximately 250-gallon steel new motor oil ASTs, located in the northeastern portion of the shop. Secondary containment was not observed, but the ASTs appeared to be in generally good condition and no evidence of significant leaks or spills was noted.

No evidence of current or historical USTs was observed during the site inspection. Evidence of the reported former gasoline UST at the property has apparently been obscured by subsequent resurfacing of asphalt in the area. The reported former in-ground waste oil sump located in the southwestern portion of the property was observed to contain a concrete-bermed containment area currently used to store empty containers and auto parts.

## **6.3 Back-Up Generators**

No back-up generators were observed at the site.

## **6.4 Elevators and Hydraulic Lifts**

Elevators were not present at the site.

Two in-ground hydraulic lifts were observed in use at the 920 Bayswater Avenue property. According to Mr. Hower, the lifts have been present and in use at the property for over 30 years. Concrete patching consistent with the historical location of an in-ground lift was also noted. Mr. Hower reported hydraulic fluid was observed to have leaked at the time of removal of the in-ground lift, and sampling or remediation activities were not conducted.

## **6.5 Hydraulic Trash Compactors**

Hydraulic trash compactors were not observed at the site.

## **6.6 Polychlorinated Biphenyls (PCBs)**

PCBs are mixtures of synthetic organic chemicals that were commonly used for various applications from approximately 1929 until 1979 when the U.S. banned PCB manufacturing, processing, distribution, and use (EIP, 1997). Certain uses of PCBs in closed systems are permitted limited concentrations (EPA, 2002). Common historical uses of PCBs have included transformers, capacitors (as in fluorescent light ballasts), and hydraulic fluids (including brake fluids).

As described in Section 6.5, hydraulic fluid was observed to have leaked at the time of removal of the in-ground lift at the 920 Bayswater Avenue property, and sampling or remediation activities were not conducted. Based on the reported age of the existing and historical in-ground hydraulic lifts, PCB-containing hydraulic fluid may be present at the property.

Pad mounted transformers were not observed at or near the site. Pole mounted transformers serving the site via overhead lines were observed across Bayswater Avenue and Myrtle Road. A visual inspection of the transformers serving the site did not indicate staining or corrosion of the transformers, stained soil, or distressed vegetation near the base of the transformer poles, or other evidence of leaking fluid from transformers.

No other potential sources of PCBs were identified at the site.

## **6.7 Other Conditions**

### **6.7.1 Asbestos**

An assessment of asbestos-containing materials (ACM) was not conducted as part of this Phase I ESA.

Standards set by the Occupational Safety and Health Administration (OSHA) require building owners to presume that thermal system insulation (TSI) and surfacing found in buildings constructed before 1981, and floor tile installed in buildings through 1981, are asbestos containing, unless demonstrated to be less than 1 percent asbestos through sampling. The rule does not permit an assumption to be made that a material does not contain asbestos in buildings constructed after 1980. However, since the late 1970s to early 1980s, asbestos has been removed or substituted for in all but a small number of construction products. For example, asbestos is still used, although at low concentrations, in various mastics and roofing materials.

Based on the estimated construction dates of the buildings at the subject property (1920s through 1950s), ACM may be present in original building materials. A property inspection report for the 908 Bayswater Avenue property (Hill, 2004) reported the presence of ACM in heating pipe insulation at that property. In addition, the historical presence of a blacksmithing operation at the 108 Myrtle Road property indicates the possible presence of ACM associated with heat-resistant building products such as wall insulation and/or floor tiles historically used in the vicinity of forges.

### **6.7.2 Radon**

According to the San Mateo County Radon Program website, the average value for indoor radon concentrations reported in San Mateo County is 1.2 picocuries per liter (pCi/l) of air for the first floor living area, significantly lower than the U.S. EPA's recommended action level of 4 pCi/l.

According to the California Geological Survey (Churchill, 2014), the subject property are located within an area of low potential for indoor radon concentrations above the U.S. EPA's recommended action level of 4 pCi/l. The radon potential map was based primarily on evaluation of regional-scale geologic and soil conditions, and on the California Department of Public Health (CDPH) Radon Program indoor-radon survey test data for 478 residences throughout San Mateo County. Site- and building-specific radon levels can only be determined by indoor radon testing.

Indoor radon test results were not available for the subject property at the time of publication of this Phase I ESA.

### **6.7.3 Solid Waste**

No concerns were identified concerning solid waste storage at the site. Non-hazardous solid waste removal at the subject property is provided by Recology San Mateo County. Non-hazardous solid waste is transported to transfer stations operated by the South Bayside Waste Management Authority (RethinkWaste).

### **6.7.4 Lead in Paint**

The Consumer Products Safety Commission limited lead content in residential paint to 0.06 percent (600 parts per million) in 1978. The use of paint containing greater than 0.06 percent lead was also prohibited in areas where consumers have direct access to painted surfaces.

An assessment of lead-based paint (LBP) in building materials was not conducted as part of this Phase I ESA. Based on the estimated construction dates of the buildings at the subject property (1920s through 1950s), LBP may be present in or on original building materials.

### 6.7.5 Water Damage and Mold

An assessment of water damage and mold was not within the scope of this Phase I ESA. However, no obvious indication of significant water damage or potential mold growth was identified during the inspection of the subject property. According to the Key Site Manager Questionnaire (Section 2.4) and interview with Mr. Ohlund, minor mold and mildew has historically been observed on bathroom surfaces at the 108 Myrtle Road property, and was resolved using surface treatments and repainting.

## 7.0 SUMMARY AND CONCLUSIONS

The subject property consist of seven legal parcels identified by San Mateo County Assessor's Parcel Numbers (APN) 029-235-160, -170, -180, -190, -200, -210, and -220, covering a total of approximately 1.27 acres. The subject property includes street addresses 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road in Burlingame, San Mateo County, California. The site is located in a residential/commercial/light industrial mixed-use area. Land uses identified at the subject property consist of:

- Single-family residences (908 Bayswater Avenue and 118, 120, and 124 Myrtle Road);
- Auto repair (Hower Auto Repair; 920 Bayswater Avenue);
- Multi-family residences (108 and 116 Myrtle Road);
- Vacant office (108 Myrtle Road);
- Paved vehicle storage areas (112 and 114 Myrtle Road); and
- Paved parking areas, driveways, and landscaped areas associated with site buildings.

The site is bounded to the northwest by a paved vehicle storage yard and an auto repair shop (Burlingame Auto Clinic) beyond and to the northeast by single- and multi-family residences and associated parking areas. The site is bounded to the southwest by Myrtle Road, with a paved vehicle storage yard and Caltrain railroad corridor beyond, and to the southeast by Bayswater Avenue, with a paved vehicle storage yard, paved parking areas, and an auto body shop (Chilton Auto Body) beyond.

### Historical Site Use

Residential development and use of the subject property appears to have begun circa 1908 to 1913 at the 112, 114, and 124 Myrtle Road properties. Residential development at the 908 Bayswater Avenue and 108, 116, 118, and 120 Myrtle Road occurred primarily during the period from 1921 to 1946. The commercial property at 920 Bayswater Avenue was developed between 1949 and 1953 and has been in use primarily as an auto body or auto repair shop since

that time. Between 1946 and 1959, residences at the 116 and 118 Myrtle Road properties were demolished and replaced with the existing residential structures. Residential properties located at 112 and 114 Myrtle Road were demolished and replaced with an asphalt-paved lot in the 1970s.

Significant use and storage of hazardous chemicals at the subject property appears to be related to the historical and current automotive repair facility at the 920 Bayswater Avenue property. A 550-gallon gasoline UST was reportedly installed in 1963 and removed and disposed in 1987 under CCFD oversight. Releases or violations were not indicated in records pertaining to the former UST. Laboratory analytical data for one soil sample collected beneath the former UST at the time of removal did not indicate the presence of petroleum hydrocarbons in soil, and reported concentrations of lead were within regional background ranges. Regulatory records indicate the possible historical presence of a second UST of unknown size, contents, and location at the 920 Bayswater Avenue property.

Additionally, a 200-gallon in-ground sump was used historically to store waste oil. The sump was reportedly pumped out, filled with sand, and capped with concrete at an unknown date. One additional wash water drain and sump, connected to the storm drain system, is present beneath a vehicle wash area on the eastern portion of the property.

Two in-ground hydraulic lifts are currently in use and one former lift was reportedly removed and the cavity filled with concrete at an unknown date. At the time of removal, the former lift reportedly showed evidence of leaking hydraulic fluid; no soil removal or other remedial action was conducted.

### **Previous Environmental Investigations**

PES previously conducted a Phase II subsurface investigation of the subject property in 2015 consisting of soil, soil vapor, and grab groundwater samplings to evaluate petroleum hydrocarbons and VOCs from on-site and off-site sources. The investigation did not identify significant contamination due to vehicle repair and maintenance activities at the site, or from potential off-site sources of contamination. However, low concentrations of PCE were detected in soil matrix samples (up to 10  $\mu\text{g}/\text{kg}$ ) and in one soil vapor sample (at 70.7  $\mu\text{g}/\text{m}^3$ ), and petroleum hydrocarbon-related compounds (TPHmo, benzene, toluene, ethylbenzene, and/or xylenes) were detected in several soil and soil vapor samples.

### **Regulatory Agency Records**

The 920 Bayswater Avenue property was listed on several regulatory databases in association with Hower Auto Repair operations at the property. Three historical USTs were identified at the property, including one 200-gallon waste oil UST, one 550-gallon gasoline UST, and one UST of unknown size, contents, and location. The 550-gallon UST was reportedly installed in 1963 and removed and disposed in 1987. Releases or violations were not indicated in records pertaining to the former UST. Laboratory analytical data for one soil sample collected beneath

the former UST at the time of removal did not indicate the presence of petroleum hydrocarbons in soil, and concentrations of lead were within regional background ranges. Regulatory records indicate the possible historical presence of a second UST of unknown size, contents, and location at the 920 Bayswater Avenue property. The facility has been permitted to generate and recycle waste oil and solvent and store motor vehicle fuel or waste.

The property at 108 Myrtle Road (Unit #4) is also listed on a database in association with Mile High Trucking for the year 1987; the firm is listed as a non-generator transporter of hazardous waste. Releases or violations were not listed in connection with either property and no other addresses comprising the subject property were identified during the regulatory database search.

A large number of sites in the vicinity of the subject property are identified on the EDR Radius Map as being listed in one or more regulatory agency databases. Several of the listed sites are located potentially upgradient of the subject property with respect to reported groundwater flow, and are considered most likely to represent a potential REC with respect to the subject property, including:

- Former Sterling Cleaners (215 California Drive) is located approximately 700 feet west (hydraulically upgradient) of the site. Contaminants identified at the property include petroleum hydrocarbons and VOCs;
- Sterling Cleaners (Current; 1140 Howard Avenue) is located approximately 700 feet west (hydraulically upgradient) of the site. According to regulatory agency records, PCE is present in soil vapor and groundwater, and the lateral extent of contamination has not been characterized; and
- King Yee property, Harris property, and 200 Park sites (1200 and 1234 Howard Avenue and 200 Park Road) are located approximately 1,000 feet west-southwest of the site. Multiple sources of contamination have been identified both on and off the properties, resulting in co-mingled groundwater plumes.

In addition, several sites in the immediate vicinity of the subject property are expected to have had historical or current chemical use and storage, though were not identified as having releases or violations in connection with their operations.

### **Site Observations**

Residential properties at the Site include occupied single- and multi-family residences, a vacant office, and storage areas. Small quantities of household products (primarily paints and cleaning products) were observed in the residences and storage units. No evidence of significant leaks or spills was noted.

PES' inspection of the 920 Bayswater Avenue property noted multiple ASTs, two in-ground hydraulic lifts, one former in-ground hydraulic lift, an onsite storm drain intake and sump, and storage of various quantities of automotive fluids.

## Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the commercial and residential properties located at 908 and 920 Bayswater Avenue and 108 through 124 Myrtle Road in Burlingame, California (collectively, the site or subject property). Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the subject property except for the following:

- Historical and current use of the 920 Bayswater property for vehicle repair and maintenance services. Documented features associated with this property include: a 550-gallon UST for gasoline storage; a former 200-gallon waste oil sump; one former and two existing in-ground hydraulic lifts; a wash-water sump and drain; and the use, storage, handling, and disposal of various petroleum hydrocarbon and solvent products for vehicle repair and maintenance since the 1950s. In addition, regulatory agency records indicate the possible presence of one additional UST at the site.

A Phase II subsurface investigation of the subject property was conducted in 2015 consisting of soil, soil vapor, and grab groundwater samplings to evaluate petroleum hydrocarbons and VOCs from on-site and off-site sources. The investigation did not identify significant contamination due to vehicle repair and maintenance activities at the site, or from potential off-site sources of contamination. PES understands that the automotive repair facility at the 920 Bayswater Avenue property has continued to operate since the 2015 investigations. As such, a subsurface investigation is warranted to evaluate potential impact from continued automotive repair operations during the interim period.

- Several open environmental investigation and cleanup cases were noted in regulatory agency databases for off-site properties that are reportedly hydraulically upgradient and within ¼-mile of the subject property. Identified contaminants include petroleum hydrocarbons and chlorinated VOCs in soil vapor, soil, and groundwater. Due to the lack of documentation constraining the extent of contaminant plumes at these offsite properties, as well as the high-density commercial/light industrial land use (primarily auto repair facilities and service stations) in the general area of the subject property, groundwater contamination represents a REC for the subject property.

While not a REC, the following notable condition is indicated in connection with the site and may be pertinent to redevelopment plans:

- An assessment of asbestos containing materials (ACM) and lead-based paint (LBP) in building materials was not conducted as part of this Phase I ESA. However, based on the estimated construction dates of the buildings at the subject property (1920s through 1950s), ACM and LBP are likely to be present in building materials. In addition, the historical presence of a blacksmithing operation at the 108 Myrtle Road property indicates the possible presence of ACM commonly associated with heat-resistant building products historically used in the vicinity of forges. A survey for asbestos- or lead-containing materials should be performed prior to any significant renovation or demolition activities that may occur at the subject site.

## **8.0 DATA GAPS**

No data gaps that may have affected our ability to identify RECs associated with the subject property were identified during the performance of this Phase I ESA.

## **9.0 ADDITIONAL SERVICES**

No additional services were provided during the preparation of this Phase I ESA.

## **10.0 ENVIRONMENTAL PROFESSIONAL STATEMENT**

The authors of this report 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 inquires in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes of the Environmental Professionals signing this report are presented in Appendix I.

## **11.0 REFERENCES**

- Churchill, R.K, 2014. *Radon Potential in San Mateo County, California*; California Geological Survey, Special Report 226, 82 p.
- EIP Associates (EIP), 1997. *Polychlorinated Biphenyls (PCBs) Source Identification*. October 28.



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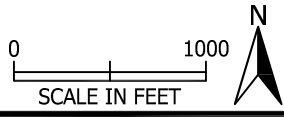
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PES, 2015. *Transmittal, Subsurface Investigation Data, 908 & 920 Bayswater Avenue and 108 through 124 Myrtle Road, Burlingame, California.* August 12.

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United States Environmental Protection Agency, (U.S. EPA), 2002. Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. July 1, 2005. 40 CFR Part 761. EPA Office of Pollution Prevention & Toxics web page: <http://www.epa.gov/osw/hazard/tsd/pcbs/pubs/2005-761.pdf>. Web page visited: May 2015.

## ILLUSTRATIONS

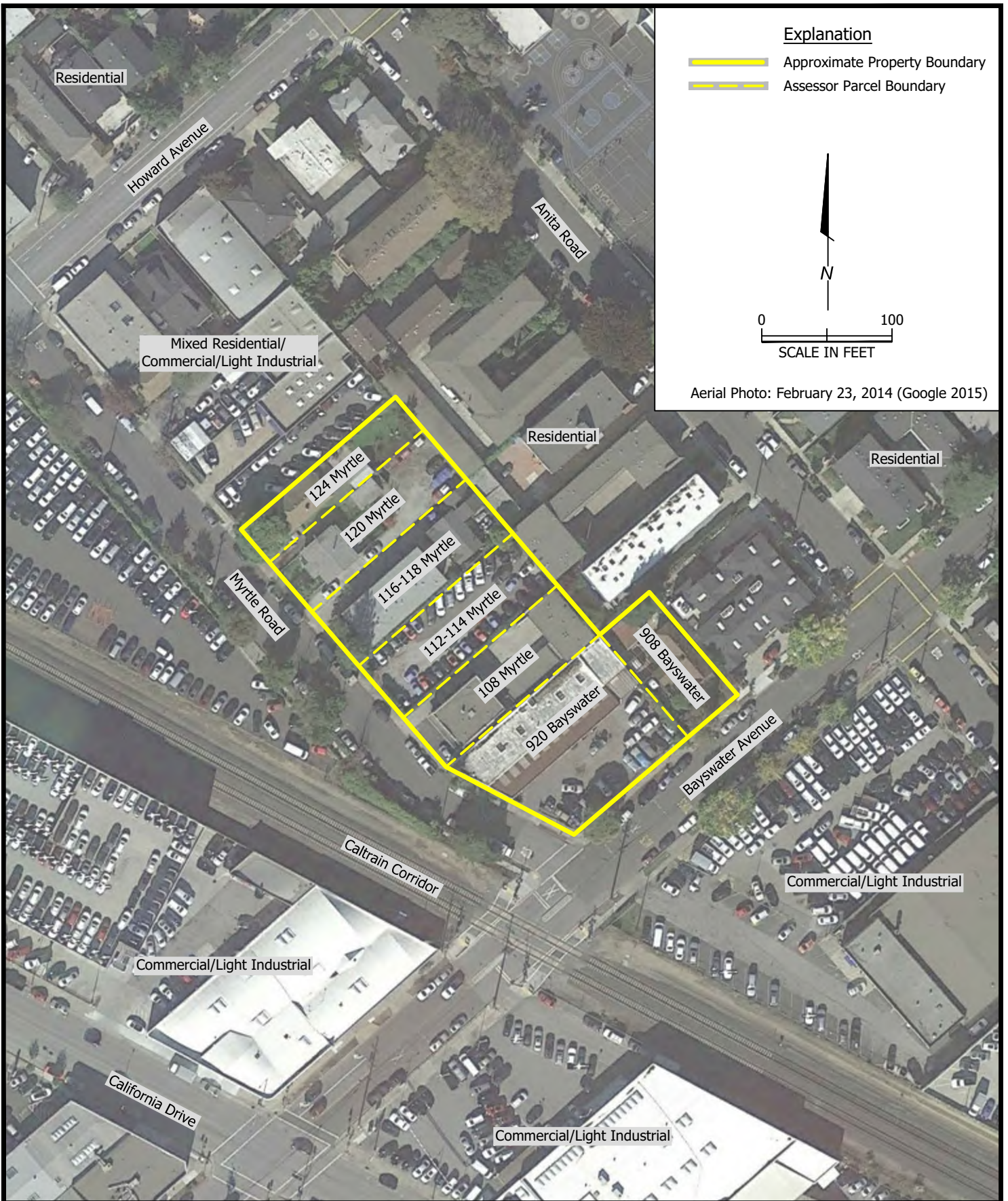


Aerial Photo: February 23, 2014 (Google 2015)



**Site Location**  
 Phase I Environmental Site Assessment  
 908 and 920 Bayswater Avenue  
 and 108-124 Myrtle Road  
 Burlingame, California

PLATE  
**1**



**Site Plan and Vicinity**  
 Phase I Environmental Site Assessment  
 908 and 920 Bayswater Avenue  
 and 108-124 Myrtle Road  
 Burlingame, California



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**Site Features**

Phase I Environmental Site Assessment  
908 and 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**3**



Photo 1.  
908 Bayswater Avenue - View looking north from Bayswater Avenue toward property. Photograph taken April 26, 2017.



Photo 2.  
908 Bayswater Avenue - View showing riser pipe in landscaped area at property (center of photograph). Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**4**



Photo 1.  
920 Bayswater Avenue - View looking northeast from intersection of Bayswater Avenue and Myrtle Road toward property showing Hower Auto Repair shop. Photograph taken April 26, 2017.



Photo 2.  
920 Bayswater Avenue - View looking southeast showing approximate location of former 550-gallon gasoline UST (beneath solid waste disposal bins). Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**5**



Photo 1.  
920 Bayswater Avenue - View looking west showing approximate location of former waste oil sump (beneath concrete containment area). Photograph taken April 26, 2017.

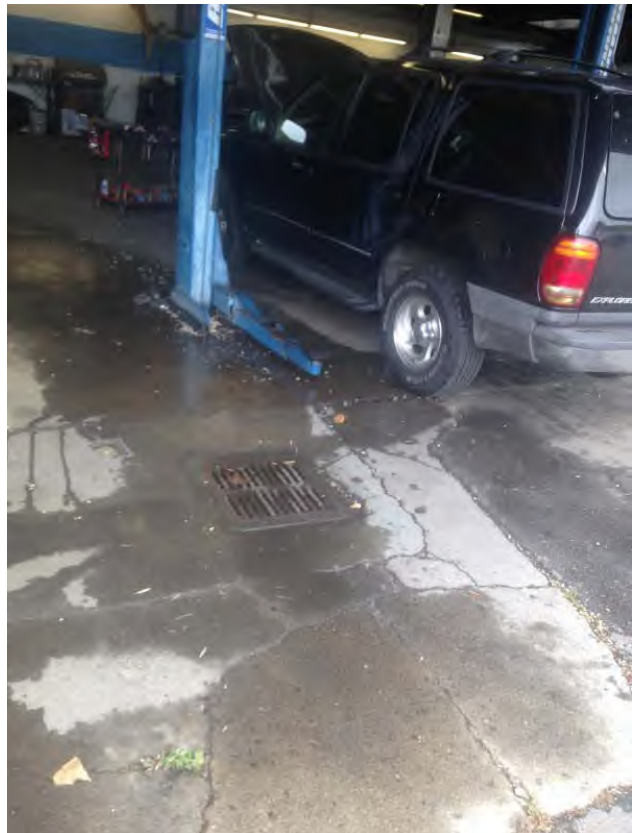


Photo 2.  
920 Bayswater Avenue - View looking north showing washwater drain and sump (center of photograph) and above-ground hydraulic lift. Photograph taken April 26, 2017.



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Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**6**





Photo 1.  
920 Bayswater Avenue - View of waste oil drum and automotive fluid and tool storage areas. Photograph taken April 26, 2017.



Photo 2.  
920 Bayswater Avenue - View of aqueous parts washers. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**7**



Photo 1.  
920 Bayswater Avenue - View of one of two active in-ground hydraulic lifts.  
Photograph taken April 26, 2017.



Photo 2.  
920 Bayswater Avenue - View of automotive battery storage rack.  
Photograph taken April 26, 2017.



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Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

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Photo 1.  
920 Bayswater Avenue - View looking east showing motor oil ASTs.  
Photograph taken April 26, 2017.



Photo 2.  
920 Bayswater Avenue - View of abrasive blasting cabinet, grit storage drum, and small-quantity automotive fluid storage at northeastern property boundary. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**9**



Photo 1.  
108 Myrtle Road - View looking northeast toward property showing vacant office space and second floor residential units. Photograph taken April 26, 2017.



Photo 2.  
108 Myrtle Road - View looking east showing carports, storage units, and second floor residential units in northeast portion of property. Photograph taken April 26, 2017.



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Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**10**



Photo 1.  
108 Myrtle Road - View looking northeast showing alley along southeast property boundary. Photograph taken April 26, 2017.



Photo 2.  
108 Myrtle Road - View of municipal solid waste containers between buildings in center of property. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**11**



Photo 1.  
112-114 Myrtle Road - View looking northeast from Myrtle Road showing property and parked cars-for-sale. Photograph taken April 26, 2017.



Photo 2.  
112-114 Myrtle Road - View of utility pole located along eastern property boundary. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**12**



Photo 1.  
116-118 Myrtle Road - View looking northeast from Myrtle road showing property. Photograph taken April 26, 2017.

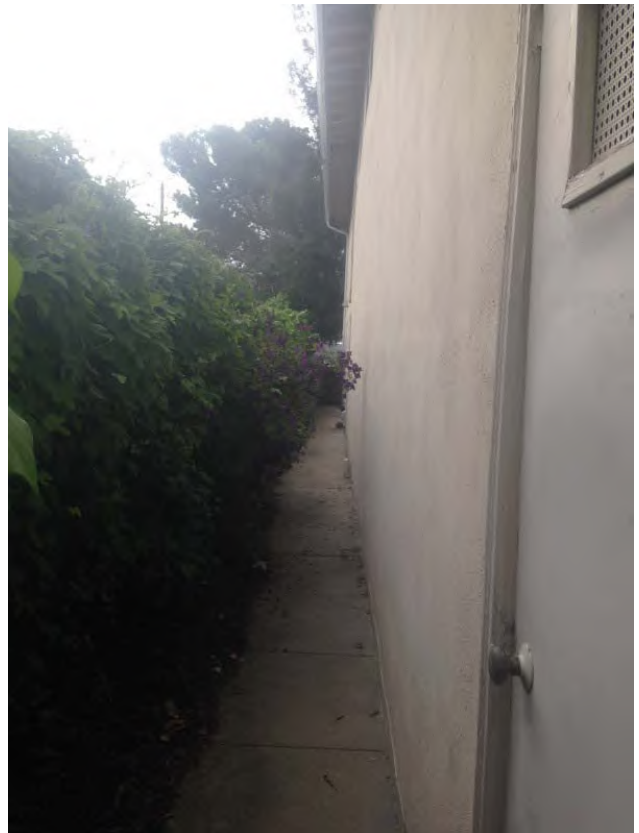


Photo 2.  
116-118 Myrtle Road - View looking southwest showing alley along southeast property boundary. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**13**



Photo 1.  
116-118 Myrtle Road – View looking southwest of second floor residential units and underlying carport. Photograph taken April 26, 2017.



Photo 2.  
116-118 Myrtle Road – View of coin-operated washer/dryer room. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**14**





Photo 1.  
116-118 Myrtle Road – View looking east of residential unit. Photograph taken April 26, 2017.

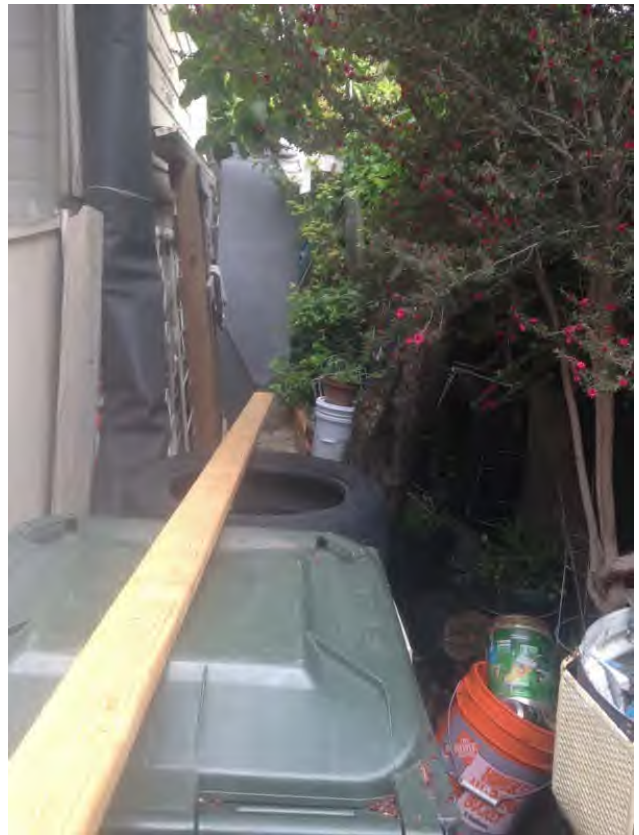


Photo 2.  
116-118 Myrtle Road – View looking northeast of collected storage debris at residential side yard. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**15**



Photo 1.  
116-118 Myrtle Road – View of collected storage debris between residential unit and detached garage. Photograph taken April 26, 2017.



Photo 2.  
120 Myrtle Road – View looking northeast of single-family residence. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**16**



Photo 1.  
120 Myrtle Road – View looking northwest of vehicle and boat parking/storage behind residence. Photograph taken April 26, 2017.



Photo 2.  
124 Myrtle Road - View looking northeast of single-family residence. Photograph taken April 26, 2017.



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**Site Photographs**

Phase I Environmental Site Assessment  
908 & 920 Bayswater Avenue  
and 108-124 Myrtle Road  
Burlingame, California

PLATE

**17**

**APPENDIX A**

**REGULATORY AGENCY DATABASE REPORT**

**Fore Green Development, LLC**

920 Bayswater Avenue  
Burlingame, CA 94010

Inquiry Number: 4913349.2s  
April 20, 2017

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

920 BAYSWATER AVENUE  
BURLINGAME, CA 94010

#### COORDINATES

Latitude (North): 37.5787940 - 37° 34' 43.65"  
Longitude (West): 122.3406510 - 122° 20' 26.34"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 558220.4  
UTM Y (Meters): 4159082.8  
Elevation: 32 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640626 SAN MATEO, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140608  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
920 BAYSWATER AVENUE  
BURLINGAME, CA 94010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	HOWER AUTO REPAIR	920 BAYSWATER	San Mateo Co. BI		TP
A2		920 BAYSWATER AVE	EDR Hist Auto		TP
A3	HOWER AUTO REPAIR	920 BAYSWATER ST	HAZNET		TP
A4	HOWER AUTO REPAIR IN	920 BAYSWATER AVE	HIST UST		TP
A5	MILE HIGH TRUCKING	108 MYRTLE RD #4	RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
B6	BURLINGAME AUTO CLIN	132 MYRTLE	San Mateo Co. BI	Lower	48, 0.009, NW
B7		132 MYRTLE RD	EDR Hist Auto	Lower	48, 0.009, NW
B8		136 MYRTLE RD	EDR Hist Auto	Lower	89, 0.017, NW
A9	CHILTON AUTO BODY (B	925 BAYSWATER	San Mateo Co. BI	Higher	98, 0.019, ESE
B10		927 HOWARD AVE	EDR Hist Auto	Lower	236, 0.045, NW
B11	NEW DATSONVILLE	927 HOWARD	San Mateo Co. BI	Lower	236, 0.045, NW
C12	PUTNAM MAZDA II	50 CALIFORNIA	LUST	Higher	318, 0.060, South
C13	PUTNAM MAZDA II	50 CALIFORNIA	LUST, HIST CORTESE	Higher	318, 0.060, South
C14	J AND M MOTORS D B A	50 CALIFORNIA DR	RCRA-SQG, SWEEPS UST, HIST UST, CA FID UST, FINDS,...	Higher	318, 0.060, South
C15	PUTNUM MAZADA	50 CALIFORNIA	San Mateo Co. BI	Higher	318, 0.060, South
D16	OLDE ENGLISH GARAGE	988 HOWARD	San Mateo Co. BI	Lower	334, 0.063, WNW
D17	RICKS TEXACO	988 HOWARD	HIST UST	Lower	334, 0.063, WNW
D18	RICKS BEACON	988 HOWARD AVE	SWEEPS UST, CA FID UST	Lower	334, 0.063, WNW
D19	RICKS SERVICE	988 HOWARD	San Mateo Co. BI	Lower	334, 0.063, WNW
E20	SAREMI PROPERTY	100 CALIFORNIA	LUST, HIST CORTESE	Higher	341, 0.065, WSW
E21	SAREMI PROPERTY	100 CALIFORNIA	LUST	Higher	341, 0.065, WSW
E22	HOBBY STORE	100 CALIFORNIA DR	SWEEPS UST, CA FID UST	Higher	341, 0.065, WSW
E23	PUTNAM TOYOTA	100 CALIFORNIA DR	RCRA-SQG, FINDS, ECHO	Higher	341, 0.065, WSW
E24	PUTNAM TOYOTA	100 CALIFORNIA	San Mateo Co. BI	Higher	341, 0.065, WSW
E25	HOBBY STORE	100 CALIFORNIA	San Mateo Co. BI	Higher	341, 0.065, WSW
C26		65 CALIFORNIA DR	EDR Hist Auto	Higher	366, 0.069, South
C27	COLE EUROPEAN JAGUAR	65 CALIFORNIA DR	HIST UST	Higher	366, 0.069, South
E28	BURLINGAME SUBARU AL	150 CALIFORNIA DR	RCRA-SQG, FINDS, ECHO	Higher	389, 0.074, West
C29	BURLINGAME FORD	99 CALIFORNIA	LUST, HIST CORTESE	Higher	412, 0.078, SSW
E30	BURLINGAME FORD	101 CALIFORNIA DRIVE	RCRA-SQG, SWEEPS UST, HIST UST, CA FID UST, FINDS,...	Higher	416, 0.079, SW
E31	BURLINGAME FORD	101 CALIFORNIA	San Mateo Co. BI	Higher	416, 0.079, SW
E32	PUTNAM AUTOMOTIVE GR	101 CALIFORNIA	San Mateo Co. BI	Higher	416, 0.079, SW
E33	HAROLDS MACHINE SHOP	127 CALIFORNIA	San Mateo Co. BI	Higher	460, 0.087, WSW
E34	NOEL L MILLER INC	129 CALIFORNIA	San Mateo Co. BI	Higher	461, 0.087, WSW
E35		123 CALIFORNIA DR	EDR Hist Auto	Higher	471, 0.089, WSW
E36	BENZ DOCTOR	123 CALIFORNIA	San Mateo Co. BI	Higher	471, 0.089, WSW
E37	BURLINGAME COLLISION	123 CALIFORNIA DRIVE	RCRA-SQG, FINDS, ECHO, EMI, HAZNET	Higher	471, 0.089, WSW
E38	BURLINGAME COLLISON	123 CALIFORNIA	San Mateo Co. BI	Higher	471, 0.089, WSW
D39	MIKE HARVEY ACURA AU	212 LANE	San Mateo Co. BI	Lower	526, 0.100, WNW



MAPPED SITES SUMMARY

Target Property Address:  
920 BAYSWATER AVENUE  
BURLINGAME, CA 94010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40		212 EAST LN	EDR Hist Auto	Lower	526, 0.100, WNW
F41	SATURN DEVELOPMENT N	198 CALIFORNIA	San Mateo Co. BI	Higher	568, 0.108, West
F42	PUTNAM CHEVROLET CAD	198 CALIFORNIA	San Mateo Co. BI	Higher	568, 0.108, West
F43	PUTNAM CHEVROLET CAD	198 CALIFORNIA DR	RCRA-SQG, LUST, FINDS, ECHO, HIST CORTESE	Higher	568, 0.108, West
F44	ARATA PROPERTY	198 CALIFORNIA	LUST	Higher	568, 0.108, West
F45	BUBBLE CAR WASH	177 CALIFORNIA DR	UST	Higher	577, 0.109, West
F46	90364	177 CALIFORNIA ST	HIST UST	Higher	577, 0.109, West
F47	CHEVRON, FORMER/EAGL	177 CALIFORNIA	LUST, HIST CORTESE	Higher	577, 0.109, West
F48	EAGLE CAR WASH & FIL	177 CALIFORNIA	San Mateo Co. BI	Higher	577, 0.109, West
F49	90364	177 CALIFORNIA DR	HIST UST	Higher	577, 0.109, West
F50	CHEVRON, FORMER/EAGL	177 CALIFORNIA	LUST	Higher	577, 0.109, West
F51	BUBBLE MACHINE	177 CALIFORNIA DR	SWEEPS UST, CA FID UST	Higher	577, 0.109, West
E52		124 HIGHLAND AVE	EDR Hist Auto	Higher	588, 0.111, WSW
E53	PACIFIC AUTO REPAIR	124 HIGHLAND	San Mateo Co. BI	Higher	588, 0.111, WSW
G54	SHEN-LINCOLN MERCURY	2 CALIFORNIA	LUST	Higher	601, 0.114, SSE
G55	PUTNAM TOYOTA	2 CALIFORNIA	San Mateo Co. BI	Higher	601, 0.114, SSE
G56	PUTNAM AUTOMOTIVE FI	2-50 CALIFORNIA	San Mateo Co. BI	Higher	601, 0.114, SSE
G57	SHEN MITSUBISHI	2 CALIFORNIA	San Mateo Co. BI	Higher	601, 0.114, SSE
G58	PUTNAM LINCOLN MERCU	2 CALIFORNIA DR	RCRA-SQG, LUST, HIST CORTESE	Higher	601, 0.114, SSE
F59	MIKE HARVEY HONDA	200 CALIFORNIA	San Mateo Co. BI	Higher	629, 0.119, West
F60	MWE HARVEY CHRYSLER	200 CALIFORNIA DR	HIST UST	Higher	629, 0.119, West
F61	MWE HARVEY CHRYSLER	200 CALIFORNIA DRIVE	HIST UST, HAZNET	Higher	629, 0.119, West
F62	MIKE HARVEY HONDA	200 CALIFORNIA	San Mateo Co. BI	Higher	629, 0.119, West
G63	PUTNAM AUTOMOTIVE CH	3-85 CALIFORNIA DR	AST	Higher	637, 0.121, SSE
G64	T MOBILE WEST CORP S	3 CALIFORNIA	San Mateo Co. BI	Higher	637, 0.121, SSE
G65	PUTNAM AUTOMOTIVE CH	3-85 CALIFORNIA	San Mateo Co. BI	Higher	637, 0.121, SSE
G66	PUTNAM MAZDA	3 CALIFORNIA DR	RCRA-SQG, LUST, FINDS, ECHO, HIST CORTESE	Higher	637, 0.121, SSE
G67	PUTNAM VOLVO	3-65 CALIFORNIA	San Mateo Co. BI	Higher	637, 0.121, SSE
G68	ARCO #0249	3 CALIFORNIA	LUST	Higher	637, 0.121, SSE
G69	IN-ACTIVE ARCO STATI	3 CALIFORNIA DR	HIST UST	Higher	637, 0.121, SSE
G70	PUTNAM VOLVO	900 PENINSULA	San Mateo Co. BI	Higher	648, 0.123, SE
G71	PUTNAM BUICK INC	900 PENINSULA	San Mateo Co. BI	Higher	648, 0.123, SE
G72		900 PENINSULA AVE	EDR Hist Auto	Higher	648, 0.123, SE
G73	DUTNAM HYUNDAI	900 PENINSULA AVE	RCRA-SQG, FINDS, ECHO	Higher	648, 0.123, SE
H74	A & I CUSTOMS	255 MYRTLE	San Mateo Co. BI	Lower	665, 0.126, NW
H75	2M AUTOMOTIVE	255 MYRTLE	San Mateo Co. BI	Lower	665, 0.126, NW
H76	RUPPELS AUTO FIXATIO	260 EAST	San Mateo Co. BI	Lower	671, 0.127, WNW
H77	RUPPELS AUTO FIXATIO	260 EAST	San Mateo Co. BI	Lower	671, 0.127, WNW
H78	ALL MAKES AUTO BODY	257 MYRTLE	San Mateo Co. BI	Lower	672, 0.127, NW

MAPPED SITES SUMMARY

Target Property Address:  
 920 BAYSWATER AVENUE  
 BURLINGAME, CA 94010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F79	UST SITE	1100 HOWARD	San Mateo Co. BI	Higher	703, 0.133, West
80	UST SITE	20 HIGHLAND	San Mateo Co. BI	Higher	716, 0.136, SSW
H81	D&R AUTO BODY & PAIN	270 EAST	San Mateo Co. BI	Lower	751, 0.142, WNW
H82	SILVER AUTO SVC	270 EAST	San Mateo Co. BI	Lower	751, 0.142, WNW
H83	BURLINGAME DIAGNOSTI	270 EAST	San Mateo Co. BI	Lower	751, 0.142, WNW
F84	UST SITE	1101-07 HOWARD	San Mateo Co. BI	Higher	766, 0.145, WSW
G85	VERACOM AUTOMOTIVE G	885 SAN MATEO	San Mateo Co. BI	Higher	777, 0.147, SSE
I86	EXXON CO USA SAN MAT	320 PENINSULA	LUST, RCRA NonGen / NLR, FINDS, ECHO, HIST CORTESE	Higher	852, 0.161, ESE
J87	FEDERAL AUTO PARTS	231 CALIFORNIA	San Mateo Co. BI	Higher	853, 0.162, West
H88	UST SITE	1021 BURLINGAME	San Mateo Co. BI	Lower	863, 0.163, WNW
89	ANTOSIK, EDWIN	701 HOWARD	San Mateo Co. BI	Lower	869, 0.165, NNE
J90	BB STERN COMPANY	222 CALIFORNIA	San Mateo Co. BI	Higher	879, 0.166, WNW
J91	STERLING CLEANERS (F	215 CALIFORNIA DRIVE	LUST	Higher	901, 0.171, West
J92	UST SITE	215 CALIFORNIA	SLIC, San Mateo Co. BI	Higher	901, 0.171, West
K93	WHITECLIFF CO	859 SAN MATEO	San Mateo Co. BI	Higher	932, 0.177, SE
K94	WHITECLIFF COMPANY I	859 SAN MATEO DRIVE	HIST UST	Higher	932, 0.177, SE
J95	STERLING CLEANERS	1140 HOWARD AVE	RCRA-SQG, FINDS, ECHO, DRYCLEANERS, HAZNET	Higher	946, 0.179, West
J96	STERLING CLEANERS	1140 HOWARD AVENUE	LUST, SLIC, San Mateo Co. BI	Higher	946, 0.179, West
L97	SHELL OIL STATION, #	400 PENINSULA AVE	SWEEPS UST, CA FID UST	Lower	955, 0.181, East
L98	SAIS SUPER SHELL 6	400 PENINSULA	HIST UST	Lower	955, 0.181, East
L99	SHELL SERVICE STATIO	400 PENINSULA	RCRA-SQG, LUST, FINDS, ECHO, San Mateo Co. BI,...	Lower	955, 0.181, East
J100	TUCKER TRANSMISSIONS	215 HATCH	San Mateo Co. BI	Higher	969, 0.184, West
J101	GERMAN CAR CARE	251 CALIFORNIA	San Mateo Co. BI	Higher	971, 0.184, West
J102	G&C AUTO BODY	251 CALIFORNIA	San Mateo Co. BI	Higher	971, 0.184, West
I103	K&B PRODUCTS	863 WOODSIDE	San Mateo Co. BI	Higher	971, 0.184, ESE
104	JD GIUSTI TRANSPORTA	125 LORTON AVE #2	RCRA NonGen / NLR, FINDS, ECHO	Higher	1083, 0.205, WSW
K105	SHEN LINCOLN MERCURY	888 N SAN MATEO AVE	RCRA-SQG, LUST, FINDS, ECHO, HAZNET	Higher	1100, 0.208, SE
K106	SHEN LINCOLN MERCURY	888 SAN MATEO	SLIC, San Mateo Co. BI, NPDES	Higher	1100, 0.208, SE
K107	PK AUTOMOTIVE	839 SAN MATEO	San Mateo Co. BI	Higher	1106, 0.209, SE
M108	KING YEE PROPERTY	1200 HOWARD	LUST, HIST CORTESE	Higher	1136, 0.215, WSW
N109	REMMERS D SON	833 SAN MATEO	San Mateo Co. BI	Higher	1205, 0.228, SE
M110	HARRIS PROPERTY	1234 HOWARD	LUST, HIST CORTESE	Higher	1222, 0.231, WSW
N111	PACIFIC READY MIX IN	850 SAN MATEO DR	HIST UST	Higher	1231, 0.233, SE
N112	PACIFIC READY MIX	850 SAN MATEO	LUST, HIST CORTESE	Higher	1231, 0.233, SE
N113	PACIFIC READY-MIX	850 NORTH SAN MATEO	ENVIROSTOR, LUST	Higher	1231, 0.233, SE
O114	88 PHOTO LAB	1109 BURLINGAME	San Mateo Co. BI	Higher	1238, 0.234, West
N115	COLE EUROPEAN VOLVO	825 N SAN MATEO DR	HIST UST	Higher	1250, 0.237, SE
N116	AUTOPLUS	823 SAN MATEO	San Mateo Co. BI	Higher	1262, 0.239, SE
N117	BUD'S TIRE SERVICE	836 NORTH SAN MATEO	LUST	Higher	1279, 0.242, SE

MAPPED SITES SUMMARY

Target Property Address:  
920 BAYSWATER AVENUE  
BURLINGAME, CA 94010

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">N118</a>	BUD'S TIRE SERVICE	836 SAN MATEO	LUST, HIST CORTESE	Higher	1279, 0.242, SE
<a href="#">N119</a>	SHEN INFINITI	800 SAN MATEO DR N	LUST	Higher	1286, 0.244, SE
<a href="#">N120</a>	SHEN INFINITY	800 N SAN MATEO DR	RCRA-SQG, LUST, FINDS, ECHO, San Mateo Co. BI,...	Higher	1286, 0.244, SE
<a href="#">N121</a>	BURLINGAME SAAB	825 SAN MATEO	San Mateo Co. BI	Higher	1296, 0.245, SE
<a href="#">N122</a>	COLE EUROPEAN VOLVO	825 N SAN MATEO DR	HIST UST, HAZNET	Higher	1296, 0.245, SE
<a href="#">M123</a>	UST SITE	1290 HOWARD	San Mateo Co. BI	Higher	1306, 0.247, WSW
<a href="#">P124</a>	BURLINGAME POST OFFI	220 PARK	LUST	Higher	1333, 0.252, West
<a href="#">P125</a>	US POSTAL SERVICE	220 PARK	LUST, HIST CORTESE	Higher	1333, 0.252, West
<a href="#">M126</a>	200 PARK	200 PARK ROAD	LUST	Higher	1376, 0.261, WSW
<a href="#">127</a>	AUTO WORKS	815 WOODSIDE	ENVIROSTOR, San Mateo Co. BI	Higher	1414, 0.268, ESE
<a href="#">O128</a>	KIRKBRIDE PROPERTY	307 LORTON	LUST, HIST CORTESE	Higher	1467, 0.278, West
<a href="#">O129</a>	KIRKBRIDE PROPERTY	307 LORTON	LUST	Higher	1467, 0.278, West
<a href="#">Q130</a>	VERACOM MITSUBISHI	790 SAN MATEO	LUST, San Mateo Co. BI	Higher	1528, 0.289, SE
<a href="#">Q131</a>	TOYOTA CENTER, INC.	790 N SAN MATEO DR	LUST, HIST UST	Higher	1528, 0.289, SE
<a href="#">Q132</a>	MIKE HARVEY TOYOTA	790 N SAN MATEO DR	RCRA-SQG, LUST, FINDS, ECHO	Higher	1528, 0.289, SE
<a href="#">Q133</a>	MIKE HARVEY TOYOTA	790 SAN MATEO	HIST CORTESE	Higher	1528, 0.289, SE
<a href="#">134</a>	BERENSTEIN ASSOC. PR	1319 HOWARD	LUST, SLIC	Higher	1566, 0.297, WSW
<a href="#">R135</a>	DON SABATINI	361 CALIFORNIA DR	LUST, HAZNET	Lower	1573, 0.298, WNW
<a href="#">R136</a>	SABATINI TRUST	361 CALIFORNIA	LUST	Lower	1573, 0.298, WNW
<a href="#">S137</a>	ARMSTRONG PROPERTY	1 PARK RD	LUST, HIST CORTESE	Higher	1581, 0.299, SSW
<a href="#">S138</a>	SERVICE STATION 709	1 PARK ROAD	LUST, HIST UST	Higher	1581, 0.299, SSW
<a href="#">139</a>	BURLINGAME HIGH SCHO	400 CAROLAN AVENUE	ENVIROSTOR, SCH, DEED	Lower	1625, 0.308, WNW
<a href="#">R140</a>	LORTON PLACE OWNERS	345 LORTON AVENUE	LUST	Lower	1822, 0.345, WNW
<a href="#">141</a>	KIM MILLS TEXACO (FO	401 CALIFORNIA	LUST	Lower	1856, 0.352, WNW
<a href="#">T142</a>	PENINSULA CHEVRON	880 N DELAWARE	LUST, SWEEPS UST, HIST UST, CA FID UST	Lower	1864, 0.353, ENE
<a href="#">T143</a>	CHEVRON 9-3989	880 NORTH DELAWARE S	LUST, San Mateo Co. BI, HIST CORTESE	Lower	1864, 0.353, ENE
<a href="#">T144</a>	HOLIDAY CLEANERS	850 DELAWARE	ENVIROSTOR, San Mateo Co. BI	Lower	1947, 0.369, East
<a href="#">145</a>	PICKRELL D J	1408 CHAPIN AVE	SEMS-ARCHIVE	Higher	2411, 0.457, West
<a href="#">U146</a>	PACIFIC BELL	1480 BURLINGAME AVE.	LUST, UST, SWEEPS UST, HIST UST	Higher	2523, 0.478, WSW
<a href="#">U147</a>	AT&T CALIFORNIA - P3	1480 BURLINGAME AVE	RCRA-SQG, LUST, FINDS, ECHO, San Mateo Co. BI,...	Higher	2523, 0.478, WSW
<a href="#">U148</a>	CHEVRON 9-0571	260 EL CAMINO REAL	LUST	Higher	2529, 0.479, WSW
<a href="#">U149</a>	CHEVRON	260 EL CAMINO REAL	HIST CORTESE	Higher	2529, 0.479, WSW
<a href="#">U150</a>	90571	260 EL CAMINO REAL	LUST, HIST UST	Higher	2529, 0.479, WSW
<a href="#">V151</a>	REVEREND PHEOPHILOS	149 WARREN	LUST	Higher	2590, 0.491, SSW
<a href="#">V152</a>	RESIDENCE	149 WARREN	LUST, San Mateo Co. BI, HIST CORTESE	Higher	2590, 0.491, SSW
<a href="#">153</a>	SAN MATEO HIGH	506 NORTH DELAWARE S	ENVIROSTOR, SCH	Lower	2741, 0.519, East
<a href="#">154</a>	TOP HAT CLEANERS	368 N ELLSWORTH AVE	ENVIROSTOR	Lower	3466, 0.656, SE
<a href="#">155</a>	CARUFF CALIFORNIA CO	350 AIRPORT BOULEVAR	Notify 65	Lower	4564, 0.864, NNE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
HOWER AUTO REPAIR 920 BAYSWATER BURLINGAME, CA 94010	San Mateo Co. BI Facility Id: FA0018019	N/A
920 BAYSWATER AVE 920 BAYSWATER AVE BURLINGAME, CA 94010	EDR Hist Auto	N/A
HOWER AUTO REPAIR 920 BAYSWATER ST BURLINGAME, CA 94010	HAZNET GEPaid: CAL000006801	N/A
HOWER AUTO REPAIR IN 920 BAYSWATER AVE BURLINGAME, CA 94010	HIST UST Facility Id: 00000010367	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
 Proposed NPL..... Proposed National Priority List Sites  
 NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
 SEMS..... Superfund Enterprise Management System

## EXECUTIVE SUMMARY

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

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

SWF/LF..... Solid Waste Information System

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

## EXECUTIVE SUMMARY

### **Local Lists of Landfill / Solid Waste Disposal Sites**

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

### **Local Lists of Hazardous waste / Contaminated Sites**

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

### **Local Land Records**

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

### **Records of Emergency Release Reports**

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

### **Other Ascertainable Records**

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List

## EXECUTIVE SUMMARY

PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

## EXECUTIVE SUMMARY

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 CERCLIS NFRAP site list***

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/10/2016 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PICKRELL D J	1408 CHAPIN AVE	W 1/4 - 1/2 (0.457 mi.)	145	226

#### ***Federal RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 13 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>J AND M MOTORS D B A</i></b>	<b><i>50 CALIFORNIA DR</i></b>	<b><i>S 0 - 1/8 (0.060 mi.)</i></b>	<b><i>C14</i></b>	<b><i>18</i></b>
<b><i>PUTNAM TOYOTA</i></b>	<b><i>100 CALIFORNIA DR</i></b>	<b><i>WSW 0 - 1/8 (0.065 mi.)</i></b>	<b><i>E23</i></b>	<b><i>30</i></b>
<b><i>BURLINGAME SUBARU AL</i></b>	<b><i>150 CALIFORNIA DR</i></b>	<b><i>W 0 - 1/8 (0.074 mi.)</i></b>	<b><i>E28</i></b>	<b><i>33</i></b>
<b><i>BURLINGAME FORD</i></b>	<b><i>101 CALIFORNIA DRIVE</i></b>	<b><i>SW 0 - 1/8 (0.079 mi.)</i></b>	<b><i>E30</i></b>	<b><i>36</i></b>
<b><i>BURLINGAME COLLISION</i></b>	<b><i>123 CALIFORNIA DRIVE</i></b>	<b><i>WSW 0 - 1/8 (0.089 mi.)</i></b>	<b><i>E37</i></b>	<b><i>46</i></b>
<b><i>PUTNAM CHEVROLET CAD</i></b>	<b><i>198 CALIFORNIA DR</i></b>	<b><i>W 0 - 1/8 (0.108 mi.)</i></b>	<b><i>F43</i></b>	<b><i>56</i></b>
<b><i>PUTNAM LINCOLN MERCU</i></b>	<b><i>2 CALIFORNIA DR</i></b>	<b><i>SSE 0 - 1/8 (0.114 mi.)</i></b>	<b><i>G58</i></b>	<b><i>69</i></b>
<b><i>PUTNAM MAZDA</i></b>	<b><i>3 CALIFORNIA DR</i></b>	<b><i>SSE 0 - 1/8 (0.121 mi.)</i></b>	<b><i>G66</i></b>	<b><i>77</i></b>
<b><i>DUTNAM HYUNDAI</i></b>	<b><i>900 PENINSULA AVE</i></b>	<b><i>SE 0 - 1/8 (0.123 mi.)</i></b>	<b><i>G73</i></b>	<b><i>95</i></b>



## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>STERLING CLEANERS</b>	<b>1140 HOWARD AVE</b>	<b>W 1/8 - 1/4 (0.179 mi.)</b>	<b>J95</b>	<b>111</b>
<b>SHEN LINCOLN MERCURY</b>	<b>888 N SAN MATEO AVE</b>	<b>SE 1/8 - 1/4 (0.208 mi.)</b>	<b>K105</b>	<b>133</b>
<b>SHEN INFINITY</b>	<b>800 N SAN MATEO DR</b>	<b>SE 1/8 - 1/4 (0.244 mi.)</b>	<b>N120</b>	<b>164</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SHELL SERVICE STATIO</b>	<b>400 PENINSULA</b>	<b>E 1/8 - 1/4 (0.181 mi.)</b>	<b>L99</b>	<b>119</b>

### **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 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PACIFIC READY-MIX</b> Facility Id: 41320028 Status: Refer: Other Agency	<b>850 NORTH SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.233 mi.)</b>	<b>N113</b>	<b>156</b>

<b>AUTO WORKS</b> Facility Id: 41750034 Status: No Further Action	<b>815 WOODSIDE</b>	<b>ESE 1/4 - 1/2 (0.268 mi.)</b>	<b>127</b>	<b>173</b>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BURLINGAME HIGH SCHO</b> Facility Id: 41820008 Status: Certified / Operation & Maintenance	<b>400 CAROLAN AVENUE</b>	<b>WNW 1/4 - 1/2 (0.308 mi.)</b>	<b>139</b>	<b>189</b>

<b>HOLIDAY CLEANERS</b> Facility Id: 41720099 Status: Refer: Other Agency	<b>850 DELAWARE</b>	<b>E 1/4 - 1/2 (0.369 mi.)</b>	<b>T144</b>	<b>224</b>
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<b>SAN MATEO HIGH</b> Facility Id: 41820001 Status: No Action Required	<b>506 NORTH DELAWARE S</b>	<b>E 1/2 - 1 (0.519 mi.)</b>	<b>153</b>	<b>245</b>
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<b>TOP HAT CLEANERS</b> Facility Id: 41720092 Status: No Action Required	<b>368 N ELLSWORTH AVE</b>	<b>SE 1/2 - 1 (0.656 mi.)</b>	<b>154</b>	<b>247</b>
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## EXECUTIVE SUMMARY

### **State and tribal leaking storage tank lists**

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 49 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PUTNAM MAZDA II Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Status: Case Closed date9: 12/27/1995	50 CALIFORNIA	S 0 - 1/8 (0.060 mi.)	C12	16
<b>PUTNAM MAZDA II</b> Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 660048 Facility Status: 9- Case Closed Global Id: T0608100409 Global ID: T0608100409	<b>50 CALIFORNIA</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>C13</b>	<b>17</b>
<b>SAREMI PROPERTY</b> Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 660068 Facility Status: 9- Case Closed Global Id: T0608100232 Global ID: T0608100232	<b>100 CALIFORNIA</b>	<b>WSW 0 - 1/8 (0.065 mi.)</b>	<b>E20</b>	<b>26</b>
SAREMI PROPERTY Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Status: Case Closed date9: 12/27/2001	100 CALIFORNIA	WSW 0 - 1/8 (0.065 mi.)	E21	28
<b>BURLINGAME FORD</b> Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Status: Case Closed Facility Id: 660043 Facility Status: 9- Case Closed Global Id: T0608100090 Global ID: T0608100090 date9: 5/15/1995	<b>99 CALIFORNIA</b>	<b>SSW 0 - 1/8 (0.078 mi.)</b>	<b>C29</b>	<b>34</b>
<b>PUTNAM CHEVROLET CAD</b> Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 660060 Facility Status: 9- Case Closed Global Id: T0608101044 Global ID: T0608101044	<b>198 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.108 mi.)</b>	<b>F43</b>	<b>56</b>
ARATA PROPERTY Database: LUST REG 2, Date of Government Version: 09/30/2004	198 CALIFORNIA	W 0 - 1/8 (0.108 mi.)	F44	58

## EXECUTIVE SUMMARY

Facility Status: Case Closed				
date9: 12/27/2001				
<b>CHEVRON, FORMER/EAGL</b>	<b>177 CALIFORNIA</b>	<b>W 0 - 1/8 (0.109 mi.)</b>	<b>F47</b>	<b>60</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660013				
Facility Status: 9- Case Closed				
Global Id: T0608194030				
Global ID: T0608194030				
<b>CHEVRON, FORMER/EAGL</b>	<b>177 CALIFORNIA</b>	<b>W 0 - 1/8 (0.109 mi.)</b>	<b>F50</b>	<b>64</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Pollution Characterization				
<b>SHEN-LINCOLN MERCURY</b>	<b>2 CALIFORNIA</b>	<b>SSE 0 - 1/8 (0.114 mi.)</b>	<b>G54</b>	<b>67</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Case Closed				
date9: 7/30/2004				
<b>PUTNAM LINCOLN MERCU</b>	<b>2 CALIFORNIA DR</b>	<b>SSE 0 - 1/8 (0.114 mi.)</b>	<b>G58</b>	<b>69</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660005				
Facility Status: 9- Case Closed				
Global Id: T0608100495				
Global ID: T0608100495				
<b>PUTNAM MAZDA</b>	<b>3 CALIFORNIA DR</b>	<b>SSE 0 - 1/8 (0.121 mi.)</b>	<b>G66</b>	<b>77</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Open - Site Assessment				
Facility Id: 660026				
Facility Status: 5C- Pollution Characterization				
Global Id: T0608100410				
Global ID: T0608100410				
<b>ARCO #0249</b>	<b>3 CALIFORNIA</b>	<b>SSE 0 - 1/8 (0.121 mi.)</b>	<b>G68</b>	<b>92</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Pollution Characterization				
<b>EXXON CO USA SAN MAT</b>	<b>320 PENINSULA</b>	<b>ESE 1/8 - 1/4 (0.161 mi.)</b>	<b>I86</b>	<b>101</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Status: Case Closed				
Facility Id: 110013				
Facility Status: 9- Case Closed				
Global Id: T0608100208				
Global ID: T0608100208				
date9: 6/4/2001				
<b>STERLING CLEANERS (F</b>	<b>215 CALIFORNIA DRIVE</b>	<b>W 1/8 - 1/4 (0.171 mi.)</b>	<b>J91</b>	<b>105</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Open - Site Assessment				
Facility Id: 660105				

## EXECUTIVE SUMMARY

Facility Id: 669113 Facility Status: 3B- Preliminary Assessment Underway Global Id: T10000003211 Global ID: T10000003211 Global ID: T10000005652				
<b>STERLING CLEANERS</b>	<b>1140 HOWARD AVENUE</b>	<b>W 1/8 - 1/4 (0.179 mi.)</b>	<b>J96</b>	<b>115</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Facility Id: 669111 Facility Status: 3B- Preliminary Assessment Underway Global ID: T10000006541				
<b>SHEN LINCOLN MERCURY</b>	<b>888 N SAN MATEO AVE</b>	<b>SE 1/8 - 1/4 (0.208 mi.)</b>	<b>K105</b>	<b>133</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Facility Id: 119177 Facility Status: 9- Case Closed Global ID: T10000003682				
<b>KING YEE PROPERTY</b>	<b>1200 HOWARD</b>	<b>WSW 1/8 - 1/4 (0.215 mi.)</b>	<b>M108</b>	<b>140</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Open - Remediation Facility Status: Remedial action (cleanup) Underway Global Id: T0608100813				
<b>HARRIS PROPERTY</b>	<b>1234 HOWARD</b>	<b>WSW 1/8 - 1/4 (0.231 mi.)</b>	<b>M110</b>	<b>148</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Database: LUST, Date of Government Version: 12/12/2016 Status: Open - Remediation Facility Status: Remedial action (cleanup) Underway Global Id: T0608100253				
<b>PACIFIC READY MIX</b>	<b>850 SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.233 mi.)</b>	<b>N112</b>	<b>155</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Status: Case Closed date9: 8/31/2001				
<b>PACIFIC READY-MIX</b>	<b>850 NORTH SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.233 mi.)</b>	<b>N113</b>	<b>156</b>
Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 110006 Facility Status: 9- Case Closed Global Id: T0608100382 Global ID: T0608100382				
<b>BUD'S TIRE SERVICE</b>	<b>836 NORTH SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.242 mi.)</b>	<b>N117</b>	<b>160</b>
Database: LUST, Date of Government Version: 12/12/2016 Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 110015 Facility Status: 9- Case Closed Global Id: T0608100086 Global ID: T0608100086				
<b>BUD'S TIRE SERVICE</b>	<b>836 SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.242 mi.)</b>	<b>N118</b>	<b>162</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004 Facility Status: Case Closed date9: 10/6/1995				
<b>SHEN INFINITI</b>	<b>800 SAN MATEO DR N</b>	<b>SE 1/8 - 1/4 (0.244 mi.)</b>	<b>N119</b>	<b>162</b>
Database: LUST, Date of Government Version: 12/12/2016				

## EXECUTIVE SUMMARY

Status: Open - Inactive  
Global Id: T0609500138

<b>SHEN INFINITY</b>	<b>800 N SAN MATEO DR</b>	<b>SE 1/8 - 1/4 (0.244 mi.)</b>	<b>N120</b>	<b>164</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Id: 48-0147				
Facility Status: Preliminary site assessment underway				
<b>BURLINGAME POST OFFI</b>	<b>220 PARK</b>	<b>W 1/4 - 1/2 (0.252 mi.)</b>	<b>P124</b>	<b>169</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660040				
Facility Status: 9- Case Closed				
Global Id: T0608100091				
Global ID: T0608100091				
<b>US POSTAL SERVICE</b>	<b>220 PARK</b>	<b>W 1/4 - 1/2 (0.252 mi.)</b>	<b>P125</b>	<b>171</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Case Closed				
date9: 11/28/1995				
<b>200 PARK</b>	<b>200 PARK ROAD</b>	<b>WSW 1/4 - 1/2 (0.261 mi.)</b>	<b>M126</b>	<b>171</b>
Database: LUST, Date of Government Version: 12/12/2016				
Status: Open - Assessment & Interim Remedial Action				
Global Id: T10000004152				
<b>KIRKBRIDE PROPERTY</b>	<b>307 LORTON</b>	<b>W 1/4 - 1/2 (0.278 mi.)</b>	<b>O128</b>	<b>175</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660081				
Facility Status: 9- Case Closed				
Global Id: T0608100953				
Global ID: T0608100953				
<b>KIRKBRIDE PROPERTY</b>	<b>307 LORTON</b>	<b>W 1/4 - 1/2 (0.278 mi.)</b>	<b>O129</b>	<b>176</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Case Closed				
date9: 12/9/1997				
<b>VERACOM MITSUBISHI</b>	<b>790 SAN MATEO</b>	<b>SE 1/4 - 1/2 (0.289 mi.)</b>	<b>Q130</b>	<b>177</b>
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Global Id: T0608100333				
<b>TOYOTA CENTER, INC.</b>	<b>790 N SAN MATEO DR</b>	<b>SE 1/4 - 1/2 (0.289 mi.)</b>	<b>Q131</b>	<b>179</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Facility Id: 110023				
Facility Status: 9- Case Closed				
Global ID: T0608100333				
<b>MIKE HARVEY TOYOTA</b>	<b>790 N SAN MATEO DR</b>	<b>SE 1/4 - 1/2 (0.289 mi.)</b>	<b>Q132</b>	<b>180</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Case Closed				
date9: 5/28/2004				
<b>BERENSTEIN ASSOC. PR</b>	<b>1319 HOWARD</b>	<b>WSW 1/4 - 1/2 (0.297 mi.)</b>	<b>134</b>	<b>182</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Facility Id: 669096				
Facility Status: 5R- Remediation Plan				

## EXECUTIVE SUMMARY

Global ID: T0608186803				
<b>ARMSTRONG PROPERTY</b>	<b>1 PARK RD</b>	<b>SSW 1/4 - 1/2 (0.299 mi.)</b>	<b>S137</b>	<b>186</b>
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Facility Id: 660027				
Facility Status: 9- Case Closed				
Global ID: T0608100043				
<b>SERVICE STATION 709</b>	<b>1 PARK ROAD</b>	<b>SSW 1/4 - 1/2 (0.299 mi.)</b>	<b>S138</b>	<b>187</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Database: LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Status: Case Closed				
Global Id: T0608100043				
date9: 3/16/2001				
<b>PACIFIC BELL</b>	<b>1480 BURLINGAME AVE.</b>	<b>WSW 1/4 - 1/2 (0.478 mi.)</b>	<b>U146</b>	<b>227</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660023				
Facility Status: 9- Case Closed				
Global Id: T0608100377				
Global ID: T0608100377				
<b>AT&amp;T CALIFORNIA - P3</b>	<b>1480 BURLINGAME AVE</b>	<b>WSW 1/4 - 1/2 (0.478 mi.)</b>	<b>U147</b>	<b>229</b>
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Case Closed				
date9: 7/9/1992				
CHEVRON 9-0571	260 EL CAMINO REAL	WSW 1/4 - 1/2 (0.479 mi.)	U148	232
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Pollution Characterization				
<b>90571</b>	<b>260 EL CAMINO REAL</b>	<b>WSW 1/4 - 1/2 (0.479 mi.)</b>	<b>U150</b>	<b>233</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 660046				
Facility Status: 9- Case Closed				
Global Id: T0608100128				
Global ID: T0608100128				
REVEREND PHEOPILOS	149 WARREN	SSW 1/4 - 1/2 (0.491 mi.)	V151	243
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Facility Status: Post remedial action monitoring				
<b>RESIDENCE</b>	<b>149 WARREN</b>	<b>SSW 1/4 - 1/2 (0.491 mi.)</b>	<b>V152</b>	<b>243</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				
Status: Completed - Case Closed				
Facility Id: 110092				
Facility Status: 9- Case Closed				
Global Id: T0608100773				
Global ID: T0608100773				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>SHELL SERVICE STATIO</b>	<b>400 PENINSULA</b>	<b>E 1/8 - 1/4 (0.181 mi.)</b>	<b>L99</b>	<b>119</b>
Database: LUST, Date of Government Version: 12/12/2016				
Database: SAN MATEO CO. LUST, Date of Government Version: 12/12/2016				







## EXECUTIVE SUMMARY

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>J AND M MOTORS D B A</b> Comp Number: 660003	<b>50 CALIFORNIA DR</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>C14</b>	<b>18</b>
<b>HOBBY STORE</b> Comp Number: 660030	<b>100 CALIFORNIA DR</b>	<b>WSW 0 - 1/8 (0.065 mi.)</b>	<b>E22</b>	<b>28</b>
<b>BURLINGAME FORD</b> Status: A Tank Status: A Comp Number: 665014	<b>101 CALIFORNIA DRIVE</b>	<b>SW 0 - 1/8 (0.079 mi.)</b>	<b>E30</b>	<b>36</b>
<b>BUBBLE MACHINE</b> Status: A Tank Status: A Comp Number: 660026	<b>177 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.109 mi.)</b>	<b>F51</b>	<b>65</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RICKS BEACON</b> Status: A Tank Status: A Comp Number: 660101 Comp Number: 660061	<b>988 HOWARD AVE</b>	<b>WNW 0 - 1/8 (0.063 mi.)</b>	<b>D18</b>	<b>24</b>
<b>SHELL OIL STATION, #</b> Status: A Tank Status: A Comp Number: 110063	<b>400 PENINSULA AVE</b>	<b>E 1/8 - 1/4 (0.181 mi.)</b>	<b>L97</b>	<b>116</b>

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>J AND M MOTORS D B A</b> Facility Id: 00000013309	<b>50 CALIFORNIA DR</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>C14</b>	<b>18</b>
<b>COLE EUROPEAN JAGUAR</b> Facility Id: 00000002509	<b>65 CALIFORNIA DR</b>	<b>S 0 - 1/8 (0.069 mi.)</b>	<b>C27</b>	<b>32</b>
<b>BURLINGAME FORD</b> Facility Id: 00000009930	<b>101 CALIFORNIA DRIVE</b>	<b>SW 0 - 1/8 (0.079 mi.)</b>	<b>E30</b>	<b>36</b>
90364	177 CALIFORNIA ST	W 0 - 1/8 (0.109 mi.)	F46	59
90364	177 CALIFORNIA DR	W 0 - 1/8 (0.109 mi.)	F49	63
Facility Id: 00000061797				
<b>MWE HARVEY CHRYSLER</b> Facility Id: 00000038201	<b>200 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.119 mi.)</b>	<b>F60</b>	<b>73</b>
<b>MWE HARVEY CHRYSLER</b> IN-ACTIVE ARCO STATI Facility Id: 00000015802	<b>200 CALIFORNIA DRIVE</b> <b>3 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.119 mi.)</b> <b>SSE 0 - 1/8 (0.121 mi.)</b>	<b>F61</b> <b>G69</b>	<b>73</b> <b>93</b>
<b>WHITECLIFF COMPANY I</b>	<b>859 SAN MATEO DRIVE</b>	<b>SE 1/8 - 1/4 (0.177 mi.)</b>	<b>K94</b>	<b>111</b>

## EXECUTIVE SUMMARY

Facility Id: 00000031738				
PACIFIC READY MIX IN	850 SAN MATEO DR	SE 1/8 - 1/4 (0.233 mi.)	N111	154
Facility Id: 00000010292				
COLE EUROPEAN VOLVO	825 N SAN MATEO DR	SE 1/8 - 1/4 (0.237 mi.)	N115	159
Facility Id: 00000035493				
<b>COLE EUROPEAN VOLVO</b>	<b>825 N SAN MATEO DR</b>	<b>SE 1/8 - 1/4 (0.245 mi.)</b>	<b>N122</b>	<b>168</b>
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction / Distance</u></b>	<b><u>Map ID</u></b>	<b><u>Page</u></b>
RICKS TEXACO	988 HOWARD	WNW 0 - 1/8 (0.063 mi.)	D17	22
Facility Id: 00000018076				
SAIS SUPER SHELL 6	400 PENINSULA	E 1/8 - 1/4 (0.181 mi.)	L98	118
Facility Id: 00000060248				

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

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction / Distance</u></b>	<b><u>Map ID</u></b>	<b><u>Page</u></b>
<b>J AND M MOTORS D B A</b>	<b>50 CALIFORNIA DR</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>C14</b>	<b>18</b>
Facility Id: 41000412 Status: A				
<b>HOBBY STORE</b>	<b>100 CALIFORNIA DR</b>	<b>WSW 0 - 1/8 (0.065 mi.)</b>	<b>E22</b>	<b>28</b>
Facility Id: 41000061 Status: A				
<b>BURLINGAME FORD</b>	<b>101 CALIFORNIA DRIVE</b>	<b>SW 0 - 1/8 (0.079 mi.)</b>	<b>E30</b>	<b>36</b>
Facility Id: 41002676 Status: A				
<b>BUBBLE MACHINE</b>	<b>177 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.109 mi.)</b>	<b>F51</b>	<b>65</b>
Facility Id: 41000151 Status: A				
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction / Distance</u></b>	<b><u>Map ID</u></b>	<b><u>Page</u></b>
<b>RICKS BEACON</b>	<b>988 HOWARD AVE</b>	<b>WNW 0 - 1/8 (0.063 mi.)</b>	<b>D18</b>	<b>24</b>
Facility Id: 41003227 Status: A				
<b>SHELL OIL STATION, #</b>	<b>400 PENINSULA AVE</b>	<b>E 1/8 - 1/4 (0.181 mi.)</b>	<b>L97</b>	<b>116</b>
Facility Id: 41003064 Status: A				

### Local Land Records

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

A review of the DEED list, as provided by EDR, and dated 12/06/2016 has revealed that there is 1 DEED

## EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BURLINGAME HIGH SCHO</b> Status: CERTIFIED / OPERATION & MAINTENANCE Envirostor ID: 41820008	<b>400 CAROLAN AVENUE</b>	<b>WNW 1/4 - 1/2 (0.308 mi.)</b>	<b>139</b>	<b>189</b>

### **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 12/12/2016 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MILE HIGH TRUCKING</b>	<b>108 MYRTLE RD #4</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A5</b>	<b>12</b>
<b>EXXON CO USA SAN MAT</b>	<b>320 PENINSULA</b>	<b>ESE 1/8 - 1/4 (0.161 mi.)</b>	<b>186</b>	<b>101</b>
<b>JD GIUSTI TRANSPORTA</b>	<b>125 LORTON AVE #2</b>	<b>WSW 1/8 - 1/4 (0.205 mi.)</b>	<b>104</b>	<b>132</b>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/15/2016 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MILE HIGH TRUCKING</b>	<b>108 MYRTLE RD #4</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A5</b>	<b>12</b>

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 12/11/2016 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MILE HIGH TRUCKING</b>	<b>108 MYRTLE RD #4</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A5</b>	<b>12</b>

## EXECUTIVE SUMMARY

### Hazardous Materials Business Plan, Hazardous Waste Generator, Underground Storage tanks

A review of the San Mateo Co. BI list, as provided by EDR, and dated 06/02/2016 has revealed that there are 61 San Mateo Co. BI sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHILTON AUTO BODY (B Facility Id: FA0055544 Facility Id: FA0026641	925 BAYSWATER	ESE 0 - 1/8 (0.019 mi.)	A9	15
PUTNUM MAZADA Facility Id: FA0009730	50 CALIFORNIA	S 0 - 1/8 (0.060 mi.)	C15	22
PUTNAM TOYOTA Facility Id: FA0014152	100 CALIFORNIA	WSW 0 - 1/8 (0.065 mi.)	E24	31
HOBBY STORE Facility Id: FA0009390	100 CALIFORNIA	WSW 0 - 1/8 (0.065 mi.)	E25	31
BURLINGAME FORD Facility Id: FA0018026	101 CALIFORNIA	SW 0 - 1/8 (0.079 mi.)	E31	43
PUTNAM AUTOMOTIVE GR Facility Id: FA0055469 Facility Id: FA0026642	101 CALIFORNIA	SW 0 - 1/8 (0.079 mi.)	E32	43
HAROLDS MACHINE SHOP Facility Id: FA0018044	127 CALIFORNIA	WSW 0 - 1/8 (0.087 mi.)	E33	44
NOEL L MILLER INC Facility Id: FA0018009	129 CALIFORNIA	WSW 0 - 1/8 (0.087 mi.)	E34	44
BENZ DOCTOR Facility Id: FA0045263	123 CALIFORNIA	WSW 0 - 1/8 (0.089 mi.)	E36	46
BURLINGAME COLLISON Facility Id: FA0002575	123 CALIFORNIA	WSW 0 - 1/8 (0.089 mi.)	E38	54
SATURN DEVELOPMENT N Facility Id: FA0010375	198 CALIFORNIA	W 0 - 1/8 (0.108 mi.)	F41	55
PUTNAM CHEVROLET CAD Facility Id: FA0027495	198 CALIFORNIA	W 0 - 1/8 (0.108 mi.)	F42	55
EAGLE CAR WASH & FIL Facility Id: FA0017977	177 CALIFORNIA	W 0 - 1/8 (0.109 mi.)	F48	63
PACIFIC AUTO REPAIR Facility Id: FA0017997	124 HIGHLAND	WSW 0 - 1/8 (0.111 mi.)	E53	67
PUTNAM TOYOTA Facility Id: FA0027496	2 CALIFORNIA	SSE 0 - 1/8 (0.114 mi.)	G55	68
PUTNAM AUTOMOTIVE FI Facility Id: FA0014577	2-50 CALIFORNIA	SSE 0 - 1/8 (0.114 mi.)	G56	68
SHEN MITSUBISHI Facility Id: FA0018045	2 CALIFORNIA	SSE 0 - 1/8 (0.114 mi.)	G57	69
MIKE HARVEY HONDA Facility Id: FA0029336	200 CALIFORNIA	W 0 - 1/8 (0.119 mi.)	F59	72
MIKE HARVEY HONDA Facility Id: FA0010382	200 CALIFORNIA	W 0 - 1/8 (0.119 mi.)	F62	76
T MOBILE WEST CORP S Facility Id: FA0045342	3 CALIFORNIA	SSE 0 - 1/8 (0.121 mi.)	G64	77
PUTNAM AUTOMOTIVE CH	3-85 CALIFORNIA	SSE 0 - 1/8 (0.121 mi.)	G65	77

## EXECUTIVE SUMMARY

Facility Id: FA0052041				
PUTNAM VOLVO	3-65 CALIFORNIA	SSE 0 - 1/8 (0.121 mi.)	G67	92
Facility Id: FA0006062				
PUTNAM VOLVO	900 PENINSULA	SE 0 - 1/8 (0.123 mi.)	G70	94
Facility Id: FA0050090				
PUTNAM BUICK INC	900 PENINSULA	SE 0 - 1/8 (0.123 mi.)	G71	94
Facility Id: FA0006097				
UST SITE	1100 HOWARD	W 1/8 - 1/4 (0.133 mi.)	F79	99
Facility Id: FA0046061				
UST SITE	20 HIGHLAND	SSW 1/8 - 1/4 (0.136 mi.)	80	99
Facility Id: FA0026400				
UST SITE	1101-07 HOWARD	WSW 1/8 - 1/4 (0.145 mi.)	F84	100
Facility Id: FA0046060				
VERACOM AUTOMOTIVE G	885 SAN MATEO	SSE 1/8 - 1/4 (0.147 mi.)	G85	101
Facility Id: FA0036915				
FEDERAL AUTO PARTS	231 CALIFORNIA	W 1/8 - 1/4 (0.162 mi.)	J87	104
Facility Id: FA0018038				
BB STERN COMPANY	222 CALIFORNIA	WNW 1/8 - 1/4 (0.166 mi.)	J90	105
Facility Id: FA0025127				
<b>UST SITE</b>	<b>215 CALIFORNIA</b>	<b>W 1/8 - 1/4 (0.171 mi.)</b>	<b>J92</b>	<b>110</b>
Facility Id: FA0046059				
WHITECLIFF CO	859 SAN MATEO	SE 1/8 - 1/4 (0.177 mi.)	K93	111
Facility Id: FA0023669				
<b>STERLING CLEANERS</b>	<b>1140 HOWARD AVENUE</b>	<b>W 1/8 - 1/4 (0.179 mi.)</b>	<b>J96</b>	<b>115</b>
Facility Id: FA0018042				
TUCKER TRANSMISSIONS	215 HATCH	W 1/8 - 1/4 (0.184 mi.)	J100	130
Facility Id: FA0009063				
GERMAN CAR CARE	251 CALIFORNIA	W 1/8 - 1/4 (0.184 mi.)	J101	131
Facility Id: FA0015787				
G&C AUTO BODY	251 CALIFORNIA	W 1/8 - 1/4 (0.184 mi.)	J102	131
Facility Id: FA0015679				
K&B PRODUCTS	863 WOODSIDE	ESE 1/8 - 1/4 (0.184 mi.)	I103	132
Facility Id: FA0010886				
<b>SHEN LINCOLN MERCURY</b>	<b>888 SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.208 mi.)</b>	<b>K106</b>	<b>136</b>
Facility Id: FA0012852				
PK AUTOMOTIVE	839 SAN MATEO	SE 1/8 - 1/4 (0.209 mi.)	K107	140
Facility Id: FA0004412				
REMMERS D SON	833 SAN MATEO	SE 1/8 - 1/4 (0.228 mi.)	N109	148
Facility Id: FA0017028				
88 PHOTO LAB	1109 BURLINGAME	W 1/8 - 1/4 (0.234 mi.)	O114	158
Facility Id: FA0025962				
AUTOPLUS	823 SAN MATEO	SE 1/8 - 1/4 (0.239 mi.)	N116	159
Facility Id: FA0045421				
Facility Id: FA0059717				
<b>SHEN INFINITY</b>	<b>800 N SAN MATEO DR</b>	<b>SE 1/8 - 1/4 (0.244 mi.)</b>	<b>N120</b>	<b>164</b>
Facility Id: FA0012849				
BURLINGAME SAAB	825 SAN MATEO	SE 1/8 - 1/4 (0.245 mi.)	N121	168

## EXECUTIVE SUMMARY

Facility Id: FA0001693				
UST SITE	1290 HOWARD	WSW 1/8 - 1/4 (0.247 mi.)	M123	169
Facility Id: FA0046413				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
BURLINGAME AUTO CLIN Facility Id: FA0006538	132 MYRTLE	NW 0 - 1/8 (0.009 mi.)	B6	13
NEW DATSONVILLE Facility Id: FA0018023	927 HOWARD	NW 0 - 1/8 (0.045 mi.)	B11	16
OLDE ENGLISH GARAGE Facility Id: FA0018048	988 HOWARD	WNW 0 - 1/8 (0.063 mi.)	D16	22
RICKS SERVICE Facility Id: FA0018010	988 HOWARD	WNW 0 - 1/8 (0.063 mi.)	D19	26
MIKE HARVEY ACURA AU Facility Id: FA0027657	212 LANE	WNW 0 - 1/8 (0.100 mi.)	D39	54
A & I CUSTOMS Facility Id: FA0016140	255 MYRTLE	NW 1/8 - 1/4 (0.126 mi.)	H74	96
2M AUTOMOTIVE Facility Id: FA0040750	255 MYRTLE	NW 1/8 - 1/4 (0.126 mi.)	H75	97
RUPPELS AUTO FIXATIO Facility Id: FA0018024	260 EAST	WNW 1/8 - 1/4 (0.127 mi.)	H76	97
RUPPELS AUTO FIXATIO Facility Id: FA0050716	260 EAST	WNW 1/8 - 1/4 (0.127 mi.)	H77	98
ALL MAKES AUTO BODY Facility Id: FA0010115	257 MYRTLE	NW 1/8 - 1/4 (0.127 mi.)	H78	98
D&R AUTO BODY & PAIN Facility Id: FA0012242	270 EAST	WNW 1/8 - 1/4 (0.142 mi.)	H81	99
SILVER AUTO SVC Facility Id: FA0012240	270 EAST	WNW 1/8 - 1/4 (0.142 mi.)	H82	100
BURLINGAME DIAGNOSTI Facility Id: FA0016125	270 EAST	WNW 1/8 - 1/4 (0.142 mi.)	H83	100
UST SITE Facility Id: FA0046818	1021 BURLINGAME	WNW 1/8 - 1/4 (0.163 mi.)	H88	105
ANTOSIK, EDWIN Facility Id: FA0026863	701 HOWARD	NNE 1/8 - 1/4 (0.165 mi.)	89	105
<b>SHELL SERVICE STATIO</b> Facility Id: FA0016933 Facility Id: FA0046138 Facility Id: FA0056158	<b>400 PENINSULA</b>	<b>E 1/8 - 1/4 (0.181 mi.)</b>	<b>L99</b>	<b>119</b>

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/02/2016 has revealed that there is

## EXECUTIVE SUMMARY

1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>STERLING CLEANERS</b> EPA Id: CAL000215134	<b>1140 HOWARD AVE</b>	<b>W 1/8 - 1/4 (0.179 mi.)</b>	<b>J95</b>	<b>111</b>

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 [CALSTATES]. 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 21 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PUTNAM MAZDA II</b> Reg Id: 41-0430	<b>50 CALIFORNIA</b>	<b>S 0 - 1/8 (0.060 mi.)</b>	<b>C13</b>	<b>17</b>
<b>SAREMI PROPERTY</b> Reg Id: 41-0244	<b>100 CALIFORNIA</b>	<b>WSW 0 - 1/8 (0.065 mi.)</b>	<b>E20</b>	<b>26</b>
<b>BURLINGAME FORD</b> Reg Id: 41-0095	<b>99 CALIFORNIA</b>	<b>SSW 0 - 1/8 (0.078 mi.)</b>	<b>C29</b>	<b>34</b>
<b>PUTNAM CHEVROLET CAD</b> Reg Id: 41-1137	<b>198 CALIFORNIA DR</b>	<b>W 0 - 1/8 (0.108 mi.)</b>	<b>F43</b>	<b>56</b>
<b>CHEVRON, FORMER/EAGL</b> Reg Id: 41-0128	<b>177 CALIFORNIA</b>	<b>W 0 - 1/8 (0.109 mi.)</b>	<b>F47</b>	<b>60</b>
<b>PUTNAM LINCOLN MERCU</b> Reg Id: 41-0519	<b>2 CALIFORNIA DR</b>	<b>SSE 0 - 1/8 (0.114 mi.)</b>	<b>G58</b>	<b>69</b>
<b>PUTNAM MAZDA</b> Reg Id: 41-0431	<b>3 CALIFORNIA DR</b>	<b>SSE 0 - 1/8 (0.121 mi.)</b>	<b>G66</b>	<b>77</b>
<b>EXXON CO USA SAN MAT</b> Reg Id: 41-0218	<b>320 PENINSULA</b>	<b>ESE 1/8 - 1/4 (0.161 mi.)</b>	<b>I86</b>	<b>101</b>
<b>KING YEE PROPERTY</b> Reg Id: 41-0871	<b>1200 HOWARD</b>	<b>WSW 1/8 - 1/4 (0.215 mi.)</b>	<b>M108</b>	<b>140</b>
<b>HARRIS PROPERTY</b> Reg Id: 41-0265	<b>1234 HOWARD</b>	<b>WSW 1/8 - 1/4 (0.231 mi.)</b>	<b>M110</b>	<b>148</b>
<b>PACIFIC READY MIX</b> Reg Id: 41-0401	<b>850 SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.233 mi.)</b>	<b>N112</b>	<b>155</b>
<b>BUD'S TIRE SERVICE</b> Reg Id: 41-0091	<b>836 SAN MATEO</b>	<b>SE 1/8 - 1/4 (0.242 mi.)</b>	<b>N118</b>	<b>162</b>
<b>SHEN INFINITY</b> Reg Id: 48-0147	<b>800 N SAN MATEO DR</b>	<b>SE 1/8 - 1/4 (0.244 mi.)</b>	<b>N120</b>	<b>164</b>
<b>US POSTAL SERVICE</b> Reg Id: 41-0096	<b>220 PARK</b>	<b>W 1/4 - 1/2 (0.252 mi.)</b>	<b>P125</b>	<b>171</b>
<b>KIRKBRIDE PROPERTY</b> Reg Id: 41-1040	<b>307 LORTON</b>	<b>W 1/4 - 1/2 (0.278 mi.)</b>	<b>O128</b>	<b>175</b>
<b>MIKE HARVEY TOYOTA</b> Reg Id: 41-0349	<b>790 SAN MATEO</b>	<b>SE 1/4 - 1/2 (0.289 mi.)</b>	<b>Q133</b>	<b>182</b>
<b>ARMSTRONG PROPERTY</b>	<b>1 PARK RD</b>	<b>SSW 1/4 - 1/2 (0.299 mi.)</b>	<b>S137</b>	<b>186</b>

## EXECUTIVE SUMMARY

Reg Id: 41-0044				
<b>AT&amp;T CALIFORNIA - P3</b>	<b>1480 BURLINGAME AVE</b>	<b>WSW 1/4 - 1/2 (0.478 mi.)</b>	<b>U147</b>	<b>229</b>
Reg Id: 41-0396				
CHEVRON	260 EL CAMINO REAL	WSW 1/4 - 1/2 (0.479 mi.)	U149	232
Reg Id: 41-0135				
<b>RESIDENCE</b>	<b>149 WARREN</b>	<b>SSW 1/4 - 1/2 (0.491 mi.)</b>	<b>V152</b>	<b>243</b>
Reg Id: 41-0825				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>CHEVRON 9-3989</b>	<b>880 NORTH DELAWARE S</b>	<b>ENE 1/4 - 1/2 (0.353 mi.)</b>	<b>T143</b>	<b>221</b>
Reg Id: 41-1030				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/16/2016 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CARUFF CALIFORNIA CO	350 AIRPORT BOULEVAR	NNE 1/2 - 1 (0.864 mi.)	155	248

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 8 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	65 CALIFORNIA DR	S 0 - 1/8 (0.069 mi.)	C26	32
Not reported	123 CALIFORNIA DR	WSW 0 - 1/8 (0.089 mi.)	E35	45
Not reported	124 HIGHLAND AVE	WSW 0 - 1/8 (0.111 mi.)	E52	66
Not reported	900 PENINSULA AVE	SE 0 - 1/8 (0.123 mi.)	G72	95
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	132 MYRTLE RD	NW 0 - 1/8 (0.009 mi.)	B7	13
Not reported	136 MYRTLE RD	NW 0 - 1/8 (0.017 mi.)	B8	14



## EXECUTIVE SUMMARY

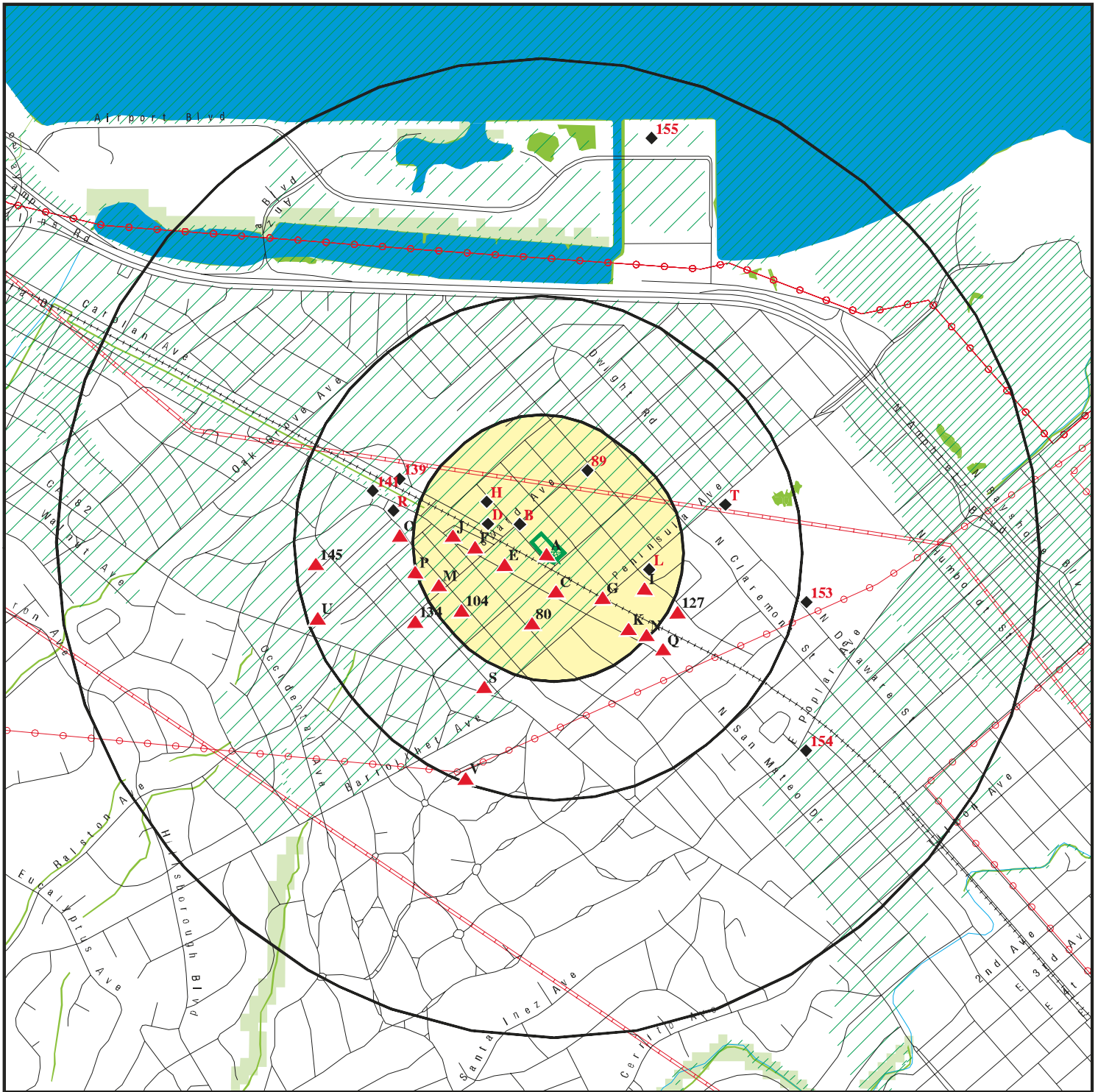
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	927 HOWARD AVE	NW 0 - 1/8 (0.045 mi.)	B10	15
Not reported	212 EAST LN	WNW 0 - 1/8 (0.100 mi.)	D40	54

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

<u>Site Name</u>	<u>Database(s)</u>
BROWNING-FERRIS INDUSTRIES	ENVIROSTOR
BROWNING-FERRIS IND (SAN MATEO LAN	ENVIROSTOR

# OVERVIEW MAP - 4913349.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Fore Green Development, LLC  
 ADDRESS: 920 Bayswater Avenue  
 Burlingame CA 94010  
 LAT/LONG: 37.578794 / 122.340651

CLIENT: PES Environmental, Inc.  
 CONTACT: Gregory George  
 INQUIRY #: 4913349.2s  
 DATE: April 20, 2017 5:23 am



## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		9	4	NR	NR	NR	13
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	1	3	2	NR	6
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		13	13	23	NR	NR	49

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	3	1	NR	NR	4
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		5	1	NR	NR	NR	6
HIST UST	0.250	1	9	5	NR	NR	NR	15
CA FID UST	0.250		5	1	NR	NR	NR	6
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		1	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		1	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
San Mateo Co. BI	0.250	1	29	32	NR	NR	NR	62
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0





Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**  
**Target**  
**Property**

**HOWER AUTO REPAIR**  
**920 BAYSWATER**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113756623**  
**N/A**

**Site 1 of 6 in cluster A**

**Actual:**  
**32 ft.**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0018019  
Prog Element Code:      GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id:                PR0011837  
Description:              GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status:         ACTIVE

Region:                    SAN MATEO  
Facility ID:              FA0018019  
Prog Element Code:      STORES MV FUELS OR WASTE ONLY  
Record Id:                PR0004698  
Description:              STORES MV FUELS OR WASTE ONLY  
Facility Status:         ACTIVE

**A2**  
**Target**  
**Property**

**920 BAYSWATER AVE**  
**BURLINGAME, CA 94010**

**EDR Hist Auto**    **1015675042**  
**N/A**

**Site 2 of 6 in cluster A**

**Actual:**  
**32 ft.**

EDR Historical Auto Stations:

Name:                    HOWER AUTO REPAIR  
Year:                     1999  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2000  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2001  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2002  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2003  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2005  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2006  
Address:                 920 BAYSWATER AVE

Name:                    HOWER AUTO REPAIR  
Year:                     2007  
Address:                 920 BAYSWATER AVE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015675042**

Name: HOWER AUTO REPAIR  
 Year: 2008  
 Address: 920 BAYSWATER AVE

Name: HOWER AUTO REPAIR  
 Year: 2009  
 Address: 920 BAYSWATER AVE

Name: HOWER AUTO REPAIR  
 Year: 2010  
 Address: 920 BAYSWATER AVE

Name: HOWER AUTO REPAIR  
 Year: 2011  
 Address: 920 BAYSWATER AVE

Name: HOWER AUTO REPAIR  
 Year: 2012  
 Address: 920 BAYSWATER AVE

**A3**      **HOWER AUTO REPAIR**  
**Target**    **920 BAYSWATER ST**  
**Property**   **BURLINGAME, CA 94010**

**HAZNET**    **S113024059**  
**N/A**

**Site 3 of 6 in cluster A**

**Actual:**  
**32 ft.**

HAZNET:  
 envid: S113024059  
 Year: 2004  
 GEPAID: CAL000006801  
 Contact: JOHN C HOWER OR JAMES D HOWER  
 Telephone: 6503448029  
 Mailing Name: Not reported  
 Mailing Address: 920 BAYSWATER AVE  
 Mailing City,St,Zip: BURLINGAME, CA 940100000  
 Gen County: Not reported  
 TSD EPA ID: CA0000084517  
 TSD County: Not reported  
 Waste Category: Aqueous solution with total organic residues less than 10 percent  
 Disposal Method: Transfer Station  
 Tons: 0.06  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: San Mateo

envid: S113024059  
 Year: 2003  
 GEPAID: CAL000006801  
 Contact: JOHN C HOWER OR JAMES D HOWER  
 Telephone: 6503448029  
 Mailing Name: Not reported  
 Mailing Address: 920 BAYSWATER AVE  
 Mailing City,St,Zip: BURLINGAME, CA 940100000  
 Gen County: Not reported  
 TSD EPA ID: CA0000084517  
 TSD County: Not reported  
 Waste Category: Aqueous solution with total organic residues less than 10 percent  
 Disposal Method: Transfer Station

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOWER AUTO REPAIR (Continued)**

**S113024059**

Tons: 0.1  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113024059  
Year: 2003  
GEPaid: CAL000006801  
Contact: JOHN C HOWER OR JAMES D HOWER  
Telephone: 6503448029  
Mailing Name: Not reported  
Mailing Address: 920 BAYSWATER AVE  
Mailing City,St,Zip: BURLINGAME, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Oil/water separation sludge  
Disposal Method: Transfer Station  
Tons: 0.2  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113024059  
Year: 2002  
GEPaid: CAL000006801  
Contact: JOHN C HOWER OR JAMES D HOWER  
Telephone: 6503448029  
Mailing Name: Not reported  
Mailing Address: 920 BAYSWATER AVE  
Mailing City,St,Zip: BURLINGAME, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Transfer Station  
Tons: 0.02  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113024059  
Year: 1995  
GEPaid: CAL000006801  
Contact: HOWER WALTER A  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 920 BAYSWATER AVE  
Mailing City,St,Zip: BURLINGAME, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD093459485  
TSD County: Not reported  
Waste Category: Unspecified solvent mixture  
Disposal Method: Transfer Station  
Tons: .0332  
Cat Decode: Not reported  
Method Decode: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOWER AUTO REPAIR (Continued)**

**S113024059**

Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access  
1 additional CA\_HAZNET: record(s) in the EDR Site Report.

**A4  
Target  
Property**

**HOWER AUTO REPAIR INC  
920 BAYSWATER AVE  
BURLINGAME, CA 94010**

**HIST UST U001593920  
N/A**

**Site 4 of 6 in cluster A**

**Actual:  
32 ft.**

**HIST UST:**

File Number: 0002C443  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C443.pdf>  
Region: STATE  
Facility ID: 00000010367  
Facility Type: Other  
Other Type: AUTO REPAIR SHOP  
Contact Name: OWNER  
Telephone: 4153478029  
Owner Name: WALTER A HOWER  
Owner Address: 1124 CAMBRIDGE RD.  
Owner City,St,Zip: BURLINGAME, CA 94010  
Total Tanks: 0003

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000200  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: None

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

[Click here for Geo Tracker PDF:](#)

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

<b>A5</b>	<b>MILE HIGH TRUCKING</b>	<b>RCRA NonGen / NLR</b>	<b>1000197022</b>
	<b>108 MYRTLE RD #4</b>		<b>FINDS</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		<b>CAD981983299</b>
<b>1 ft.</b>			<b>ECHO</b>

**Site 5 of 6 in cluster A**

**Relative:  
 Higher**

RCRA NonGen / NLR:

Date form received by agency: 05/01/1987  
 Facility name: MILE HIGH TRUCKING  
 Facility address: 108 MYRTLE RD #4  
 BURLINGAME, CA 94010  
 EPA ID: CAD981983299  
 Mailing address: 108 MYRTLEE RD #FOURTH  
 BURLINGAME, CA 94010  
 Contact: ENVIRONMENTAL MANAGER  
 Contact address: 108 MYRTLE RD #FOURTH  
 BURLINGAME, CA 94010  
 Contact country: US  
 Contact telephone: (415) 344-1405  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:  
 32 ft.**

**Owner/Operator Summary:**

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

Owner/operator name: NOT REQUIRED  
 Owner/operator address: NOT REQUIRED  
 NOT REQUIRED, ME 99999

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

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: 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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MILE HIGH TRUCKING (Continued)**

**1000197022**

Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110005995110

**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.

**ECHO:**

Envid: 1000197022  
 Registry ID: 110005995110  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110005995110](http://echo.epa.gov/detailed_facility_report?fid=110005995110)

**B6  
 NW  
 < 1/8  
 0.009 mi.  
 48 ft.**

**BURLINGAME AUTO CLINIC  
 132 MYRTLE  
 BURLINGAME, CA 94010**

**San Mateo Co. BI S113755339  
 N/A**

**Site 1 of 5 in cluster B**

**Relative:  
 Lower**

San Mateo Co. BI:

Region: SAN MATEO  
 Facility ID: FA0006538  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0011884  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: ACTIVE

**Actual:  
 31 ft.**

Region: SAN MATEO  
 Facility ID: FA0006538  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0004725  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: ACTIVE

**B7  
 NW  
 < 1/8  
 0.009 mi.  
 48 ft.**

**132 MYRTLE RD  
 BURLINGAME, CA 94010**

**EDR Hist Auto 1015206898  
 N/A**

**Site 2 of 5 in cluster B**

**Relative:  
 Lower**

EDR Historical Auto Stations:

Name: BURLINGAME AUTO CLINIC  
 Year: 1999  
 Address: 132 MYRTLE RD

**Actual:  
 31 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015206898

Name: BURLINGAME AUTO CLINIC  
Year: 2000  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2001  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2002  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2003  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2004  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2007  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2008  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2009  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2010  
Address: 132 MYRTLE RD

Name: BURLINGAME AUTO CLINIC  
Year: 2011  
Address: 132 MYRTLE RD

B8  
NW  
< 1/8  
0.017 mi.  
89 ft.

136 MYRTLE RD  
BURLINGAME, CA 94010  
Site 3 of 5 in cluster B

EDR Hist Auto 1015213751  
N/A

Relative:  
Lower

EDR Historical Auto Stations:

Name: DEANS AUTO BODY  
Year: 2010  
Address: 136 MYRTLE RD

Actual:  
31 ft.

Name: DEANS AUTO BODY & PAINTING  
Year: 2011  
Address: 136 MYRTLE RD

Name: DEANS AUTO BODY & PAINTING  
Year: 2012  
Address: 136 MYRTLE RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A9**  
**ESE**  
**< 1/8**  
**0.019 mi.**  
**98 ft.**

**CHILTON AUTO BODY (BURLINGAME SOUTH)**  
**925 BAYSWATER**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113757533**  
**N/A**

**Site 6 of 6 in cluster A**

**Relative:**  
**Higher**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0055544  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0076578  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:**  
**32 ft.**

Region: SAN MATEO  
Facility ID: FA0026641  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0038698  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0026641  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0038697  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

**B10**  
**NW**  
**< 1/8**  
**0.045 mi.**  
**236 ft.**

**927 HOWARD AVE**  
**BURLINGAME, CA 94010**

**EDR Hist Auto**    **1015677274**  
**N/A**

**Site 4 of 5 in cluster B**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: TOYOTA REPAIRS BY DATSONVILLE  
Year: 2003  
Address: 927 HOWARD AVE

**Actual:**  
**30 ft.**

Name: DATSONVILLE AUTOMOTIVE CENTER  
Year: 2005  
Address: 927 HOWARD AVE

Name: DATSONVILLE AUTOMOTIVE CENTER  
Year: 2008  
Address: 927 HOWARD AVE

Name: DATSONVILLE AUTOMOTIVE CENTER  
Year: 2009  
Address: 927 HOWARD AVE

Name: DATSONVILLE AUTOMOTIVE CTR  
Year: 2010  
Address: 927 HOWARD AVE

Name: NISSAN REPAIRS BY DATSONVILLE  
Year: 2011  
Address: 927 HOWARD AVE

Name: NISSAN REPAIRS BY DATSONVILLE



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**(Continued)**

**1015677274**

Year: 2012  
Address: 927 HOWARD AVE

**B11  
NW  
< 1/8  
0.045 mi.  
236 ft.**

**NEW DATSONVILLE  
927 HOWARD  
BURLINGAME, CA 94010**

**San Mateo Co. BI**

**S113756626  
N/A**

**Site 5 of 5 in cluster B**

**Relative:  
Lower**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0018023  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011841  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:  
30 ft.**

Region: SAN MATEO  
Facility ID: FA0018023  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0024660  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

**C12  
South  
< 1/8  
0.060 mi.  
318 ft.**

**PUTNAM MAZDA II  
50 CALIFORNIA  
BURLINGAME, CA 94010**

**LUST**

**S104493495  
N/A**

**Site 1 of 7 in cluster C**

**Relative:  
Higher**

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660048  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:  
32 ft.**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**C13**  
**South**  
**< 1/8**  
**0.060 mi.**  
**318 ft.**

**PUTNAM MAZDA II**  
**50 CALIFORNIA**  
**BURLINGAME, CA 94010**

**Site 2 of 7 in cluster C**

**LUST** **S103892172**  
**HIST CORTESE** **N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**32 ft.**

Region: STATE  
 Global Id: T0608100409  
 Latitude: 37.577862  
 Longitude: -122.340431  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 12/27/1995  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Worker: JM  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: 41-0430  
 LOC Case Number: 660048  
 File Location: Local Agency  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Gasoline  
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100409  
 Contact Type: Local Agency Caseworker  
 Contact Name: JACOB MADDEN  
 Organization Name: SAN MATEO COUNTY LOP  
 Address: 2000 ALAMEDA DE LAS PULGAS  
 City: SAN MATEO  
 Email: jmadden@smcgov.org  
 Phone Number: 6503726298

Global Id: T0608100409  
 Contact Type: Regional Board Caseworker  
 Contact Name: Regional Water Board  
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Address: 1515 CLAY ST SUITE 1400  
 City: OAKLAND  
 Email: Not reported  
 Phone Number: Not reported

Status History:

Global Id: T0608100409  
 Status: Open - Case Begin Date  
 Status Date: 11/27/1990

Global Id: T0608100409  
 Status: Completed - Case Closed  
 Status Date: 12/27/1995

Regulatory Activities:

Global Id: T0608100409  
 Action Type: Other  
 Date: 11/27/1990  
 Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA II (Continued)**

**S103892172**

Global Id: T0608100409  
Action Type: Other  
Date: 11/27/1990  
Action: Leak Discovery

Global Id: T0608100409  
Action Type: ENFORCEMENT  
Date: 05/29/1991  
Action: Notice of Responsibility - #1

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660048  
Facility Status: 9- Case Closed  
Global ID: T0608100409  
APN Number: 029243020  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0430

**C14**  
**South**  
**< 1/8**  
**0.060 mi.**  
**318 ft.**

**J AND M MOTORS D B A PUTNAM TOYOTA**  
**50 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
**Site 3 of 7 in cluster C**

**RCRA-SQG** **1000307165**  
**SWEEPS UST** **CAD981368244**  
**HIST UST**  
**CA FID UST**  
**FINDS**  
**ECHO**

**Relative:**  
**Higher**

**RCRA-SQG:**

**Actual:**  
**32 ft.**

Date form received by agency: 09/01/1996  
Facility name: J AND M MOTORS D B A PUTNAM TOYOTA  
Facility address: 50 CALIFORNIA DR  
BURLINGAME, CA 94010  
EPA ID: CAD981368244  
Mailing address: CALIFORNIA DR  
BURLINGAME, CA 94010  
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:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J AND M MOTORS D B A PUTNAM TOYOTA (Continued)**

**1000307165**

Owner/operator name: J AND M MOTORS PUTNAM TOYOTA  
Owner/operator address: 50 CALIFORNIA DR  
BURLINGAME, CA 94010  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 340-6900  
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: 09/01/1996  
Site name: J AND M MOTORS D B A PUTNAM TOYOTA  
Classification: Large Quantity Generator

Violation Status: No violations found

SWEEPS UST:

Status: Not reported  
Comp Number: 660003  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660003-000001  
Tank Status: Not reported  
Capacity: 1000  
Active Date: Not reported  
Tank Use: Not reported  
STG: PRODUCT  
Content: Not reported  
Number Of Tanks: 3

Status: Not reported  
Comp Number: 660003  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J AND M MOTORS D B A PUTNAM TOYOTA (Continued)**

**1000307165**

Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660003-000002  
Tank Status: Not reported  
Capacity: 300  
Active Date: Not reported  
Tank Use: Not reported  
STG: PRODUCT  
Content: Not reported  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 660003  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660003-000003  
Tank Status: Not reported  
Capacity: 250  
Active Date: Not reported  
Tank Use: Not reported  
STG: PRODUCT  
Content: Not reported  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 0002C196  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C196.pdf>  
Region: STATE  
Facility ID: 00000013309  
Facility Type: Other  
Other Type: AUTO DEALERSHIP  
Contact Name: JOSEPH D. PUTNAM PRES.  
Telephone: 4153424321  
Owner Name: PUTNAM LEASING INC  
Owner Address: 50 CALIFORNIA DR  
Owner City,St,Zip: BURLINGAME, CA 94010  
Total Tanks: 0003

Tank Num: 001  
Container Num: #3  
Year Installed: Not reported  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: #2  
Year Installed: Not reported  
Tank Capacity: 00000350  
Tank Used for: WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J AND M MOTORS D B A PUTNAM TOYOTA (Continued)**

**1000307165**

Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 003  
Container Num: #1  
Year Installed: Not reported  
Tank Capacity: 00000300  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 41000412  
Regulated By: UTNKA  
Regulated ID: CAP981368  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGAME 94010  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**FINDS:**

Registry ID: 110002682482

**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.

**ECHO:**

Envid: 1000307165  
Registry ID: 110002682482  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002682482](http://echo.epa.gov/detailed_facility_report?fid=110002682482)

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>C15</b>	<b>PUTNUM MAZADA</b>	<b>San Mateo Co. BI</b>	<b>S113755498</b>
<b>South</b>	<b>50 CALIFORNIA</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		
<b>0.060 mi.</b>			
<b>318 ft.</b>	<b>Site 4 of 7 in cluster C</b>		

<b>Relative:</b>	San Mateo Co. BI:		
<b>Higher</b>	Region:	SAN MATEO	
	Facility ID:	FA0009730	
<b>Actual:</b>	Prog Element Code:	UNDERGROUND TANK - GENERAL	
<b>32 ft.</b>	Record Id:	PR0022744	
	Description:	UNDERGROUND TANK - GENERAL	
	Facility Status:	INACTIVE	

<b>D16</b>	<b>OLDE ENGLISH GARAGE</b>	<b>San Mateo Co. BI</b>	<b>S113756639</b>
<b>WNW</b>	<b>988 HOWARD</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		
<b>0.063 mi.</b>			
<b>334 ft.</b>	<b>Site 1 of 6 in cluster D</b>		

<b>Relative:</b>	San Mateo Co. BI:		
<b>Lower</b>	Region:	SAN MATEO	
	Facility ID:	FA0018048	
<b>Actual:</b>	Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT	
<b>30 ft.</b>	Record Id:	PR0011862	
	Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT	
	Facility Status:	ACTIVE	
	Region:	SAN MATEO	
	Facility ID:	FA0018048	
	Prog Element Code:	STORES MV FUELS OR WASTE ONLY	
	Record Id:	PR0004660	
	Description:	STORES MV FUELS OR WASTE ONLY	
	Facility Status:	ACTIVE	
	Region:	SAN MATEO	
	Facility ID:	FA0018048	
	Prog Element Code:	UNDERGROUND TANK - GENERAL	
	Record Id:	PR0047429	
	Description:	UNDERGROUND TANK - GENERAL	
	Facility Status:	INACTIVE	

<b>D17</b>	<b>RICKS TEXACO</b>	<b>HIST UST</b>	<b>U001593944</b>
<b>WNW</b>	<b>988 HOWARD</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		
<b>0.063 mi.</b>			
<b>334 ft.</b>	<b>Site 2 of 6 in cluster D</b>		

<b>Relative:</b>	HIST UST:		
<b>Lower</b>	File Number:	0002C1D5	
	URL:	<a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C1D5.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C1D5.pdf</a>	
<b>Actual:</b>	Region:	STATE	
<b>30 ft.</b>	Facility ID:	00000018076	
	Facility Type:	Gas Station	
	Other Type:	REPAIR	
	Contact Name:	RICK STURIZA	
	Telephone:	4153448031	
	Owner Name:	RICK STURIZA	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICKS TEXACO (Continued)**

**U001593944**

Owner Address: 505 HOWARD AVE  
Owner City,St,Zip: BURLINGAME, CA 94010  
Total Tanks: 0005

Tank Num: 001  
Container Num: 5  
Year Installed: Not reported  
Tank Capacity: 00000250  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 4  
Year Installed: Not reported  
Tank Capacity: 00000300  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00006000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 005  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D18**  
**WNW**  
**< 1/8**  
**0.063 mi.**  
**334 ft.**

**RICKS BEACON**  
**988 HOWARD AVE**  
**BURLINGAME, CA 94010**

**Site 3 of 6 in cluster D**

**SWEEPS UST**    **S101629555**  
**CA FID UST**    **N/A**

**Relative:**  
**Lower**

**SWEEPS UST:**

Status: Not reported  
 Comp Number: 660101  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 41-000-660101-000001  
 Tank Status: Not reported  
 Capacity: 300  
 Active Date: Not reported  
 Tank Use: OIL  
 STG: WASTE  
 Content: WASTE OIL  
 Number Of Tanks: 1

**Actual:**  
**30 ft.**

Status: Active  
 Comp Number: 660061  
 Number: 2  
 Board Of Equalization: Not reported  
 Referral Date: 03-24-94  
 Action Date: 03-24-94  
 Created Date: 10-13-88  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 41-000-660061-000001  
 Tank Status: A  
 Capacity: 8000  
 Active Date: 03-24-94  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: REG UNLEADED  
 Number Of Tanks: 4

Status: Active  
 Comp Number: 660061  
 Number: 2  
 Board Of Equalization: Not reported  
 Referral Date: 03-24-94  
 Action Date: 03-24-94  
 Created Date: 10-13-88  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 41-000-660061-000002  
 Tank Status: A  
 Capacity: 4000  
 Active Date: 03-24-94  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: LEADED  
 Number Of Tanks: Not reported

Status: Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICKS BEACON (Continued)**

**S101629555**

Comp Number: 660061  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660061-000003  
Tank Status: A  
Capacity: 4000  
Active Date: 03-24-94  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 660061  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660061-000005  
Tank Status: A  
Capacity: 150  
Active Date: 03-24-94  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 660101  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 01-28-94  
Action Date: 01-28-94  
Created Date: 12-13-93  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: Not reported

**CA FID UST:**

Facility ID: 41003227  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICKS BEACON (Continued)**

**S101629555**

Mail To: Not reported  
Mailing Address: 228 HIGHLAND AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGAME 94010  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**D19  
WNW  
< 1/8  
0.063 mi.  
334 ft.**

**RICKS SERVICE  
988 HOWARD  
BURLINGAME, CA 94010**

**San Mateo Co. BI S113756619  
N/A**

**Site 4 of 6 in cluster D**

**Relative:  
Lower**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0018010  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0023922  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:  
30 ft.**

Region: SAN MATEO  
Facility ID: FA0018010  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0004616  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0018010  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0022780  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

**E20  
WSW  
< 1/8  
0.065 mi.  
341 ft.**

**SAREMI PROPERTY  
100 CALIFORNIA  
BURLINGAME, CA 94010**

**LUST S103892173  
HIST CORTESE N/A**

**Site 1 of 18 in cluster E**

**Relative:  
Higher**

LUST:

Region: STATE  
Global Id: T0608100232  
Latitude: 37.5779635  
Longitude: -122.3414611  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 12/27/2001  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM

**Actual:  
33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAREMI PROPERTY (Continued)**

**S103892173**

Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0244  
LOC Case Number: 660068  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0608100232  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100232  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T0608100232  
Status: Open - Case Begin Date  
Status Date: 02/08/1993

Global Id: T0608100232  
Status: Completed - Case Closed  
Status Date: 12/27/2001

**Regulatory Activities:**

Global Id: T0608100232  
Action Type: Other  
Date: 02/18/1993  
Action: Leak Reported

Global Id: T0608100232  
Action Type: ENFORCEMENT  
Date: 02/08/1993  
Action: Notice of Responsibility - #1

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660068  
Facility Status: 9- Case Closed  
Global ID: T0608100232  
APN Number: 029233080

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAREMI PROPERTY (Continued)**

**S103892173**

Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0244

**E21**  
**WSW**  
**< 1/8**  
**0.065 mi.**  
**341 ft.**

**SAREMI PROPERTY**  
**100 CALIFORNIA**  
**BURLINGAME, CA 94010**

**LUST S102436498**  
**N/A**

**Site 2 of 18 in cluster E**

**Relative:**  
**Higher**

LUST REG 2:  
Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660068  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:**  
**33 ft.**

**E22**  
**WSW**  
**< 1/8**  
**0.065 mi.**  
**341 ft.**

**HOBBY STORE**  
**100 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**SWEEPS UST S101593656**  
**CA FID UST N/A**

**Site 3 of 18 in cluster E**

**Relative:**  
**Higher**

SWEEPS UST:  
Status: Not reported  
Comp Number: 660030  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660030-000001  
Tank Status: Not reported  
Capacity: 750  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 3

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOBBY STORE (Continued)**

**S101593656**

Status: Not reported  
Comp Number: 660030  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660030-000002  
Tank Status: Not reported  
Capacity: 750  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 660030  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-660030-000003  
Tank Status: Not reported  
Capacity: 250  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: Not reported

**CA FID UST:**

Facility ID: 41000061  
Regulated By: UTKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: 198 CALIFORNIA DR  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGAME 94010  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

E23  
WSW  
< 1/8  
0.065 mi.  
341 ft.

PUTNAM TOYOTA  
100 CALIFORNIA DR  
BURLINGAME, CA 94010

Site 4 of 18 in cluster E

RCRA-SQG 1001217536  
FINDS CAR000036483  
ECHO

Relative:  
Higher

RCRA-SQG:

Actual:  
33 ft.

Date form received by agency: 02/16/1998  
Facility name: PUTNAM TOYOTA  
Facility address: 100 CALIFORNIA DR  
BURLINGAME, CA 94010  
EPA ID: CAR000036483  
Contact: PAT OBRIEN  
Contact address: 100 CALIFORNIA DR  
BURLINGAME, CA 94010  
Contact country: US  
Contact telephone: (415) 340-6900  
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: JOE PUTNAM  
Owner/operator address: 50 CALIFORNIA DR  
BURLINGAME, CA 94010  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 347-4800  
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  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Waste code: D001  
Waste name: IGNITABLE WASTE

Violation Status: No violations found

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PUTNAM TOYOTA (Continued)**

**1001217536**

**FINDS:**

Registry ID: 110002921036

Environmental Interest/Information System  
 AIR EMISSIONS CLASSIFICATION UNKNOWN

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

**ECHO:**

Envid: 1001217536  
 Registry ID: 110002921036  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002921036](http://echo.epa.gov/detailed_facility_report?fid=110002921036)

**E24**  
**WSW**  
 < 1/8  
 0.065 mi.  
 341 ft.

**PUTNAM TOYOTA**  
**100 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 5 of 18 in cluster E**

**San Mateo Co. BI S113755987**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**33 ft.**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0014152  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0030415  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: INACTIVE

Region: SAN MATEO  
 Facility ID: FA0014152  
 Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
 Record Id: PR0030416  
 Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
 Facility Status: INACTIVE

**E25**  
**WSW**  
 < 1/8  
 0.065 mi.  
 341 ft.

**HOBBY STORE**  
**100 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 6 of 18 in cluster E**

**San Mateo Co. BI S113755477**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**33 ft.**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0009390  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0022761  
 Description: UNDERGROUND TANK - GENERAL  
 Facility Status: INACTIVE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C26**  
South  
< 1/8  
0.069 mi.  
366 ft.

**65 CALIFORNIA DR  
BURLINGAME, CA 94010**

**Site 5 of 7 in cluster C**

**EDR Hist Auto 1015590153  
N/A**

**Relative:  
Higher**

EDR Historical Auto Stations:

Name: PUTNAM AUTOMOTIVE  
Year: 2007  
Address: 65 CALIFORNIA DR

**Actual:  
33 ft.**

Name: PUTNAM AUTOMOTIVE  
Year: 2008  
Address: 65 CALIFORNIA DR

Name: PUTNAM AUTOMOTIVE  
Year: 2009  
Address: 65 CALIFORNIA DR

**C27**  
South  
< 1/8  
0.069 mi.  
366 ft.

**COLE EUROPEAN JAGUAR  
65 CALIFORNIA DR  
BURLINGAME, CA 94010**

**Site 6 of 7 in cluster C**

**HIST UST U001593909  
N/A**

**Relative:  
Higher**

HIST UST:

File Number: 0002C37A  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C37A.pdf>  
Region: STATE  
Facility ID: 00000002509  
Facility Type: Other  
Other Type: AUTO DEALERSHIP  
Contact Name: RON ALLEE  
Telephone: 4153484200  
Owner Name: THE COLE CAR CO.  
Owner Address: 65 CALIFORNIA DR  
Owner City,St,Zip: BURLINGAME,, CA 94010  
Total Tanks: 0001

**Actual:  
33 ft.**

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

Click here for Geo Tracker PDF:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E28**  
**West**  
**< 1/8**  
**0.074 mi.**  
**389 ft.**

**BURLINGAME SUBARU ALFA**  
**150 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
  
**Site 7 of 18 in cluster E**

**RCRA-SQG** **1000595765**  
**FINDS** **CAD983597204**  
**ECHO**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 07/30/1991  
 Facility name: BURLINGAME SUBARU ALFA  
 Facility address: 150 CALIFORNIA DR  
 BURLINGAME, CA 94010  
 EPA ID: CAD983597204  
 Mailing address: CALIFORNIA DR  
 BURLINGAME, CA 94010  
 Contact: RICHARD BILBREY  
 Contact address: 150 CALIFORNIA DR  
 BURLINGAME, CA 94010  
 Contact country: US  
 Contact telephone: (415) 348-8600  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
 Owner/operator address: NOT REQUIRED  
 NOT REQUIRED, ME 99999  
 Owner/operator country: Not reported  
 Owner/operator telephone: (415) 555-1212  
 Legal status: County  
 Owner/Operator Type: Operator  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported  
  
 Owner/operator name: BURLINGAME SUBARU ALFA INC  
 Owner/operator address: NOT REQUIRED  
 NOT REQUIRED, ME 99999  
 Owner/operator country: Not reported  
 Owner/operator telephone: (415) 555-1212  
 Legal status: County  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BURLINGAME SUBARU ALFA (Continued)**

**1000595765**

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: 110002854652

**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.

**ECHO:**

Envid: 1000595765  
 Registry ID: 110002854652  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002854652](http://echo.epa.gov/detailed_facility_report?fid=110002854652)

**C29**  
**SSW**  
 < 1/8  
 0.078 mi.  
 412 ft.

**BURLINGAME FORD**  
**99 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 7 of 7 in cluster C**

**LUST** **S104493496**  
**HIST CORTESE** **N/A**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**34 ft.**

Region: STATE  
 Global Id: T0608100090  
 Latitude: 37.5779133  
 Longitude: -122.3414422  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 05/15/1995  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Worker: JM  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: 41-0095  
 LOC Case Number: 660043  
 File Location: Local Agency Warehouse  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Gasoline  
 Site History: Not reported

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

**Contact:**

Global Id: T0608100090  
 Contact Type: Local Agency Caseworker  
 Contact Name: JACOB MADDEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**S104493496**

Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100090  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100090  
Status: Open - Case Begin Date  
Status Date: 06/01/1990

Global Id: T0608100090  
Status: Completed - Case Closed  
Status Date: 05/15/1995

Regulatory Activities:

Global Id: T0608100090  
Action Type: Other  
Date: 06/01/1990  
Action: Leak Reported

Global Id: T0608100090  
Action Type: ENFORCEMENT  
Date: 05/29/1991  
Action: Notice of Responsibility - #1

Global Id: T0608100090  
Action Type: Other  
Date: 06/01/1990  
Action: Leak Discovery

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660043  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**S104493496**

Date Post Remedial Action Monitoring Began: Not reported

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660043  
Facility Status: 9- Case Closed  
Global ID: T0608100090  
APN Number: 029242040  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0095

**E30  
SW  
< 1/8  
0.079 mi.  
416 ft.**

**BURLINGAME FORD  
101 CALIFORNIA DRIVE  
BURLINGAME, CA 94010**

**Site 8 of 18 in cluster E**

**Relative:  
Higher**

**RCRA-SQG 1000285908  
SWEEPS UST CAD098513096  
HIST UST  
CA FID UST  
FINDS  
ECHO  
EMI  
HAZNET**

**Actual:  
35 ft.**

**RCRA-SQG:**

Date form received by agency: 06/03/1986  
Facility name: BURLINGAME FORD  
Facility address: 101 CALIFORNIA DRIVE  
BURLINGAME, CA 94010  
EPA ID: CAD098513096  
Mailing address: CALIFORNIA DRIVE  
BURLINGAME, CA 94010  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 101 CALIFORNIA DRIVE  
BURLINGAME, CA 94010  
Contact country: US  
Contact telephone: (415) 344-1111  
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: GERRY FALK  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

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

Handler Activities Summary:

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

Violation Status: No violations found

SWEEPS UST:

Status: Active  
Comp Number: 665014  
Number: 1  
Board Of Equalization: 44-025370  
Referral Date: 01-28-94  
Action Date: 01-28-94  
Created Date: 10-13-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-665014-000001  
Tank Status: A  
Capacity: 1  
Active Date: 08-15-89  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Active  
Comp Number: 665014  
Number: 1  
Board Of Equalization: 44-025370  
Referral Date: 01-28-94  
Action Date: 01-28-94  
Created Date: 10-13-88

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

Owner Tank Id: Not reported  
SWRCB Tank Id: 41-000-665014-000005  
Tank Status: A  
Capacity: 300  
Active Date: 08-15-89  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 0002BEE3  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BEE3.pdf>  
Region: STATE  
Facility ID: 00000009930  
Facility Type: Other  
Other Type: Not reported  
Contact Name: RON CALAVANO  
Telephone: 4153441111  
Owner Name: GERRY FALK  
Owner Address: 101 CALIFORNIA DRIVE  
Owner City,St,Zip: BURLINGAME, CA 94010  
Total Tanks: 0002

Tank Num: 001  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

Click here for Geo Tracker PDF:

**CA FID UST:**

Facility ID: 41002676  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: 2900 VALLEJO ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGAME 94010  
Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

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

**FINDS:**

Registry ID: 110001181480

Environmental Interest/Information System  
HAZARDOUS AIR POLLUTANT MAJOR

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

**ECHO:**

Envid: 1000285908  
Registry ID: 110001181480  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110001181480](http://echo.epa.gov/detailed_facility_report?fid=110001181480)

**EMI:**

Year: 1990  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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: 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 Smlr Tons/Yr:0

Year: 1995  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

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 Smlr Tons/Yr:0

Year: 1996  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 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 Smlr Tons/Yr:0

Year: 1997  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 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 Smlr Tons/Yr:0

Year: 1998  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 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 Smlr Tons/Yr:0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

Year: 1999  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 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 Smlr Tons/Yr:0

Year: 2000  
County Code: 41  
Air Basin: SF  
Facility ID: 5036  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 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 Smlr Tons/Yr:0

**HAZNET:**

envid: 1000285908  
Year: 2002  
GEPAID: CAD098513096  
Contact: DONALD REID  
Telephone: 4153441111  
Mailing Name: Not reported  
Mailing Address: PO BOX 311  
Mailing City,St,Zip: BURLINGAME, CA 940104322  
Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Oil/water separation sludge  
Disposal Method: Transfer Station  
Tons: 1.39  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000285908  
Year: 2001  
GEPAID: CAD098513096  
Contact: DONALD REID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

Telephone: 4153441111  
Mailing Name: Not reported  
Mailing Address: PO BOX 311  
Mailing City,St,Zip: BURLINGAME, CA 940104322  
Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Disposal, Other  
Tons: 0.06  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000285908  
Year: 2001  
GEPAID: CAD098513096  
Contact: DONALD REID  
Telephone: 4153441111  
Mailing Name: Not reported  
Mailing Address: PO BOX 311  
Mailing City,St,Zip: BURLINGAME, CA 940104322  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Unspecified solvent mixture  
Disposal Method: Recycler  
Tons: 0.61  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000285908  
Year: 2001  
GEPAID: CAD098513096  
Contact: DONALD REID  
Telephone: 4153441111  
Mailing Name: Not reported  
Mailing Address: PO BOX 311  
Mailing City,St,Zip: BURLINGAME, CA 940104322  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Unspecified solvent mixture  
Disposal Method: Not reported  
Tons: 0.07  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000285908  
Year: 2001  
GEPAID: CAD098513096  
Contact: DONALD REID  
Telephone: 4153441111  
Mailing Name: Not reported  
Mailing Address: PO BOX 311

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME FORD (Continued)**

**1000285908**

Mailing City,St,Zip: BURLINGAME, CA 940104322  
Gen County: Not reported  
TSD EPA ID: CAD980887418  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Transfer Station  
Tons: 0.2  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access 33 additional CA\_HAZNET: record(s) in the EDR Site Report.

**E31  
SW  
< 1/8  
0.079 mi.  
416 ft.**

**BURLINGAME FORD  
101 CALIFORNIA  
BURLINGAME, CA 94010**

**San Mateo Co. BI S113756628  
N/A**

**Site 9 of 18 in cluster E**

**Relative:  
Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0018026  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011844  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:  
35 ft.**

Region: SAN MATEO  
Facility ID: FA0018026  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0004648  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0018026  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0025602  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

**E32  
SW  
< 1/8  
0.079 mi.  
416 ft.**

**PUTNAM AUTOMOTIVE GROUP, NISSAN  
101 CALIFORNIA  
BURLINGAME, CA 94010**

**San Mateo Co. BI S113757534  
N/A**

**Site 10 of 18 in cluster E**

**Relative:  
Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0055469  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0076479  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:  
35 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM AUTOMOTIVE GROUP, NISSAN (Continued)**

**S113757534**

Region: SAN MATEO  
Facility ID: FA0055469  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0076478  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0026642  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0038701  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0026642  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0038700  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

**E33**  
**WSW**  
**< 1/8**  
**0.087 mi.**  
**460 ft.**

**HAROLDS MACHINE SHOP**  
**127 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 11 of 18 in cluster E**

**San Mateo Co. BI S113756636**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**34 ft.**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0018044  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0025196  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE  
  
Region: SAN MATEO  
Facility ID: FA0018044  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0004655  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

**E34**  
**WSW**  
**< 1/8**  
**0.087 mi.**  
**461 ft.**

**NOEL L MILLER INC**  
**129 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 12 of 18 in cluster E**

**San Mateo Co. BI S113756618**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**34 ft.**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0018009  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011877  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOEL L MILLER INC (Continued)**

**S113756618**

Region: SAN MATEO  
Facility ID: FA0018009  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0004625  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

**E35**  
**WSW**  
**< 1/8**  
**0.089 mi.**  
**471 ft.**

**123 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**EDR Hist Auto 1015188230**  
**N/A**

**Site 13 of 18 in cluster E**

**Relative:**  
**Higher**

**EDR Historical Auto Stations:**

**Actual:**  
**34 ft.**

Name: BURLINGAME COLLISION CENTER  
Year: 1999  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CENTER  
Year: 2000  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CTR  
Year: 2001  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CTR  
Year: 2002  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CTR  
Year: 2003  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CTR  
Year: 2004  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CENTER  
Year: 2005  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CENTER  
Year: 2006  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CTR  
Year: 2010  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CENTER  
Year: 2011  
Address: 123 CALIFORNIA DR

Name: BURLINGAME COLLISION CENTER  
Year: 2012  
Address: 123 CALIFORNIA DR

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**E36**  
**WSW**  
**< 1/8**  
**0.089 mi.**  
**471 ft.**

**BENZ DOCTOR**  
**123 CALIFORNIA**  
**BURLINGAME, CA 94010**

**Site 14 of 18 in cluster E**

**San Mateo Co. BI**    **S113758711**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0045263  
Prog Element Code:      GENERATES <27 GAL/YEAR  
Record Id:                PR0058556  
Description:              GENERATES <27 GAL/YEAR  
Facility Status:         ACTIVE

**Actual:**  
**34 ft.**

Region:                    SAN MATEO  
Facility ID:              FA0045263  
Prog Element Code:      STORES MV FUELS OR WASTE ONLY  
Record Id:                PR0058555  
Description:              STORES MV FUELS OR WASTE ONLY  
Facility Status:         ACTIVE

**E37**  
**WSW**  
**< 1/8**  
**0.089 mi.**  
**471 ft.**

**BURLINGAME COLLISION REPAIR CE**  
**123 CALIFORNIA DRIVE**  
**BURLINGAME, CA 94010**

**Site 15 of 18 in cluster E**

**RCRA-SQG**    **1000285912**  
**FINDS**        **CAD981417074**  
**ECHO**  
**EMI**  
**HAZNET**

**Relative:**  
**Higher**

RCRA-SQG:  
Date form received by agency: 06/03/1986  
Facility name:            BURLINGAME BODY SHOP  
Facility address:        123 CALIFORNIA DR  
                                  BURLINGAME, CA 94010  
EPA ID:                    CAD981417074  
Mailing address:        CALIFORNIA DR  
                                  BURLINGAME, CA 94010  
Contact:                  ENVIRONMENTAL MANAGER  
Contact address:        123 CALIFORNIA DR  
                                  BURLINGAME, CA 94010  
Contact country:        US  
Contact telephone:      (415) 347-6372  
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

**Actual:**  
**34 ft.**

Owner/Operator Summary:  
Owner/operator name:    LARRY MASON  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

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

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110001168744

Environmental Interest/Information System  
HAZARDOUS AIR POLLUTANT MAJOR

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

ECHO:

Envid: 1000285912  
Registry ID: 110001168744  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110001168744](http://echo.epa.gov/detailed_facility_report?fid=110001168744)

EMI:

Year: 1990  
County Code: 41  
Air Basin: SF  
Facility ID: 4900  
Air District Name: BA  
SIC Code: 7532



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

Air District Name: BAY AREA 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: 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 Smlr Tons/Yr:0

Year: 1997  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 1998  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 1999  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 2001  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 2002  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA 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 Smlr Tons/Yr:0

Year: 2004  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.271  
Reactive Organic Gases Tons/Yr: 0.224932  
Carbon Monoxide Emissions Tons/Yr: 0.003  
NOX - Oxides of Nitrogen Tons/Yr: 0.011  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .097  
Reactive Organic Gases Tons/Yr: .0827412  
Carbon Monoxide Emissions Tons/Yr: .003  
NOX - Oxides of Nitrogen Tons/Yr: .011  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .082  
Reactive Organic Gases Tons/Yr: .0680197  
Carbon Monoxide Emissions Tons/Yr: .004  
NOX - Oxides of Nitrogen Tons/Yr: .015  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2007  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .08  
Reactive Organic Gases Tons/Yr: .0660517  
Carbon Monoxide Emissions Tons/Yr: .004  
NOX - Oxides of Nitrogen Tons/Yr: .015  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2008  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: .08  
Reactive Organic Gases Tons/Yr: .0660517  
Carbon Monoxide Emissions Tons/Yr: .004  
NOX - Oxides of Nitrogen Tons/Yr: .015  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 6.7000000000000004E-2  
Reactive Organic Gases Tons/Yr: 5.5321500000000003E-2  
Carbon Monoxide Emissions Tons/Yr: 4.0000000000000001E-3  
NOX - Oxides of Nitrogen Tons/Yr: 0.014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2010  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 9.6000000000000002E-2  
Reactive Organic Gases Tons/Yr: 0.0834255  
Carbon Monoxide Emissions Tons/Yr: 3.0000000000000001E-3  
NOX - Oxides of Nitrogen Tons/Yr: 0.014  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.101  
Reactive Organic Gases Tons/Yr: 0.0863797  
Carbon Monoxide Emissions Tons/Yr: 0.003  
NOX - Oxides of Nitrogen Tons/Yr: 0.011  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.101  
Reactive Organic Gases Tons/Yr: 0.0863797  
Carbon Monoxide Emissions Tons/Yr: 0.003  
NOX - Oxides of Nitrogen Tons/Yr: 0.011  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2013  
County Code: 41

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME COLLISION REPAIR CE (Continued)**

**1000285912**

Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.087  
Reactive Organic Gases Tons/Yr: 0.0739053  
Carbon Monoxide Emissions Tons/Yr: 0.002  
NOX - Oxides of Nitrogen Tons/Yr: 0.009  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2014  
County Code: 41  
Air Basin: SF  
Facility ID: 9867  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0.081447543  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0.002125001  
NOX - Oxides of Nitrogen Tons/Yr: 0.008514027  
SOX - Oxides of Sulphur Tons/Yr: 3.4501e-005  
Particulate Matter Tons/Yr: 0.000182143  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.000182143

**HAZNET:**

envid: 1000285912  
Year: 1993  
GEPID: CAD981417074  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 123 CALIFORNIA DR  
Mailing City,St,Zip: BURLINGAME, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Recycler  
Tons: 0.27100000000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E38** **BURLINGAME COLLISION REPAIR** **San Mateo Co. BI** **S113755223**  
**WSW** **123 CALIFORNIA** **N/A**  
**< 1/8** **BURLINGAME, CA 94010**  
**0.089 mi.**  
**471 ft.** **Site 16 of 18 in cluster E**

**Relative:** San Mateo Co. BI:  
**Higher** Region: SAN MATEO  
Facility ID: FA0002575  
**Actual:** Prog Element Code: GENERATES <27 GAL/YEAR  
**34 ft.** Record Id: PR0011865  
Description: GENERATES <27 GAL/YEAR  
Facility Status: ACTIVE  
  
Region: SAN MATEO  
Facility ID: FA0002575  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0004656  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

**D39** **MIKE HARVEY ACURA AUTO REPAIR** **San Mateo Co. BI** **S113757820**  
**WNW** **212 LANE** **N/A**  
**< 1/8** **BURLINGAME, CA 94010**  
**0.100 mi.**  
**526 ft.** **Site 5 of 6 in cluster D**

**Relative:** San Mateo Co. BI:  
**Lower** Region: SAN MATEO  
Facility ID: FA0027657  
**Actual:** Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
**30 ft.** Record Id: PR0044412  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE  
  
Region: SAN MATEO  
Facility ID: FA0027657  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0044413  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

**D40** **212 EAST LN** **EDR Hist Auto** **1015323308**  
**WNW** **BURLINGAME, CA 94010** **N/A**  
**< 1/8**  
**0.100 mi.**  
**526 ft.** **Site 6 of 6 in cluster D**

**Relative:** EDR Historical Auto Stations:  
**Lower** Name: MIKE HARVEY HONDA BODY SHOP  
Year: 2005  
**Actual:** Address: 212 EAST LN  
**30 ft.**  
  
Name: MIKE HARVEY HONDA BODY SHOP  
Year: 2006  
Address: 212 EAST LN  
  
Name: MIKE HARVEY HONDA BODY SHOP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015323308

Year: 2011  
Address: 212 EAST LN  
  
Name: MIKE HARVEY HONDA BODY SHOP  
Year: 2012  
Address: 212 EAST LN

**F41**      **SATURN DEVELOPMENT NORTH, LLC**      **San Mateo Co. BI**      **S113755547**  
**West**      **198 CALIFORNIA**           **N/A**  
**< 1/8**      **BURLINGAME, CA 94010**  
**0.108 mi.**  
**568 ft.**      **Site 1 of 17 in cluster F**

**Relative:**      San Mateo Co. BI:  
**Higher**      Region:      SAN MATEO  
Facility ID:      FA0010375  
**Actual:**      Prog Element Code:      GENERATES and RECYCLES WASTE OIL/SOLVENT  
**33 ft.**      Record Id:      PR0011928  
Description:      GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status:      INACTIVE  
  
Region:      SAN MATEO  
Facility ID:      FA0010375  
Prog Element Code:      STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id:      PR0004699  
Description:      STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status:      INACTIVE

**F42**      **PUTNAM CHEVROLET CADILLAC**      **San Mateo Co. BI**      **S113757757**  
**West**      **198 CALIFORNIA**           **N/A**  
**< 1/8**      **BURLINGAME, CA 94010**  
**0.108 mi.**  
**568 ft.**      **Site 2 of 17 in cluster F**

**Relative:**      San Mateo Co. BI:  
**Higher**      Region:      SAN MATEO  
Facility ID:      FA0027495  
**Actual:**      Prog Element Code:      GENERATES and RECYCLES WASTE OIL/SOLVENT  
**33 ft.**      Record Id:      PR0043745  
Description:      GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status:      ACTIVE  
  
Region:      SAN MATEO  
Facility ID:      FA0027495  
Prog Element Code:      STORES MV FUELS OR WASTE ONLY  
Record Id:      PR0043746  
Description:      STORES MV FUELS OR WASTE ONLY  
Facility Status:      ACTIVE



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F43**  
**West**  
**< 1/8**  
**0.108 mi.**  
**568 ft.**

**PUTNAM CHEVROLET CADILLAC**  
**198 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
**Site 3 of 17 in cluster F**

**RCRA-SQG** 1000596695  
**LUST** CAD983606716  
**FINDS**  
**ECHO**  
**HIST CORTESE**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 03/22/2001  
 Facility name: PUTNAM CHEVROLET CADILLAC  
 Facility address: 198 CALIFORNIA DR  
 BURLINGAME, CA 94010  
 EPA ID: CAD983606716  
 Contact: RICK CORSO  
 Contact address: 198 CALIFORNIA DR  
 BURLINGAME, CA 94010  
 Contact country: US  
 Contact telephone: (650) 342-9500  
 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

**Actual:**  
**33 ft.**

Owner/Operator Summary:

Owner/operator name: JOE PUTNAM  
 Owner/operator address: 3 CALIFORNIA DR  
 BURLINGAME, CA 94010  
 Owner/operator country: Not reported  
 Owner/operator telephone: (650) 347-4800  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

Handler Activities Summary:

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

. Waste code: D001  
 . Waste name: IGNITABLE WASTE

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM CHEVROLET CADILLAC (Continued)**

**1000596695**

LUST:

Region: STATE  
Global Id: T0608101044  
Latitude: 37.5785749930435  
Longitude: -122.342392802238  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 12/27/2001  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-1137  
LOC Case Number: 660060  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608101044  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608101044  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608101044  
Status: Open - Case Begin Date  
Status Date: 03/25/1987

Global Id: T0608101044  
Status: Completed - Case Closed  
Status Date: 12/27/2001

Regulatory Activities:

Global Id: T0608101044  
Action Type: Other  
Date: 03/25/1987  
Action: Leak Reported

Global Id: T0608101044  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM CHEVROLET CADILLAC (Continued)**

**1000596695**

Date: 05/06/1992  
Action: Notice of Responsibility - #1

Global Id: T0608101044  
Action Type: Other  
Date: 05/06/1992  
Action: Leak Discovery

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660060  
Facility Status: 9- Case Closed  
Global ID: T0608101044  
APN Number: 029233080  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**FINDS:**

Registry ID: 110002861591

**Environmental Interest/Information System**

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

**STATE MASTER**

**ECHO:**

Envid: 1000596695  
Registry ID: 110002861591  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002861591](http://echo.epa.gov/detailed_facility_report?fid=110002861591)

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-1137

**F44**  
**West**  
**< 1/8**  
**0.108 mi.**  
**568 ft.**

**ARATA PROPERTY**  
**198 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 4 of 17 in cluster F**

**LUST S104493499**  
**N/A**

**Relative:**  
**Higher**

LUST REG 2:  
Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660060  
How Discovered: OM

**Actual:**  
**33 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ARATA PROPERTY (Continued)**

**S104493499**

Leak Cause: Unknown  
 Leak Source: Unknown  
 Date Leak Confirmed: Not reported  
 Oversight Program: LUST  
 Prelim. Site Assessment Workplan Submitted: Not reported  
 Preliminary Site Assessment Began: Not reported  
 Pollution Characterization Began: Not reported  
 Pollution Remediation Plan Submitted: Not reported  
 Date Remediation Action Underway: Not reported  
 Date Post Remedial Action Monitoring Began: Not reported

**F45**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**BUBBLE CAR WASH**  
**177 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**UST U003782725**  
**N/A**

**Site 5 of 17 in cluster F**

**Relative:**  
**Higher**

UST:  
 Facility ID: 41-000-660026  
 Permitting Agency: SAN MATEO COUNTY  
 Latitude: 37.5797326  
 Longitude: -122.3420162

**Actual:**  
**34 ft.**

**F46**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**90364**  
**177 CALIFORNIA ST**  
**BURLINGAME, CA 94010**

**HIST UST S118407037**  
**N/A**

**Site 6 of 17 in cluster F**

**Relative:**  
**Higher**

HIST UST:  
 File Number: 0002BCAF  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BCAF.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

**Actual:**  
**34 ft.**

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:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**F47**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**CHEVRON, FORMER/EAGLE GAS STA**  
**177 CALIFORNIA**  
**BURLINGAME, CA 94010**

**LUST** **S101438110**  
**HIST CORTESE** **N/A**

**Site 7 of 17 in cluster F**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**34 ft.**

Region: STATE  
Global Id: T0608194030  
Latitude: 37.578459  
Longitude: -122.34303  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 05/17/2006  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0128  
LOC Case Number: 660013  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608194030  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608194030  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608194030  
Status: Open - Case Begin Date  
Status Date: 08/04/1987

Global Id: T0608194030  
Status: Open - Site Assessment  
Status Date: 08/04/1987

Global Id: T0608194030  
Status: Open - Verification Monitoring  
Status Date: 11/22/2000

Global Id: T0608194030

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON, FORMER/EAGLE GAS STA (Continued)**

**S101438110**

Status: Completed - Case Closed  
Status Date: 05/17/2006

Regulatory Activities:

Global Id: T0608194030  
Action Type: Other  
Date: 09/01/1987  
Action: Leak Reported

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 05/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 05/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 11/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 05/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 10/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 05/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 10/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 11/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 01/06/2006  
Action: Unknown

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 01/25/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON, FORMER/EAGLE GAS STA (Continued)**

**S101438110**

Action: Unknown

Global Id: T0608194030  
Action Type: RESPONSE  
Date: 10/01/2005  
Action: Request for Closure

Global Id: T0608194030  
Action Type: REMEDIATION  
Date: 07/03/1989  
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608194030  
Action Type: REMEDIATION  
Date: 07/03/1989  
Action: Free Product Removal

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 02/27/1989  
Action: Notice of Responsibility - #1

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 10/11/2005  
Action: Staff Letter - #20051011

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 06/01/2005  
Action: \* Verbal Communication - #20050601

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 08/09/2000  
Action: Staff Letter - #20000809

Global Id: T0608194030  
Action Type: Other  
Date: 08/04/1987  
Action: Leak Discovery

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 05/17/2006  
Action: Closure/No Further Action Letter - #20060517

Global Id: T0608194030  
Action Type: ENFORCEMENT  
Date: 10/25/2005  
Action: Staff Letter - #20051025

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660013  
Facility Status: 9- Case Closed

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEVRON, FORMER/EAGLE GAS STA (Continued)**

**S101438110**

Global ID: T0608194030  
 APN Number: 029232160  
 Case Type: SAN MATEO CO. LUST  
 EDR Link ID: SAN MATEO CO. LUST

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 41  
 Reg By: LTNKA  
 Reg Id: 41-0128

**F48**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**EAGLE CAR WASH & FILL**  
**177 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 8 of 17 in cluster F**

**San Mateo Co. BI S113756598**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0017977  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0004623  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: ACTIVE

**Actual:**  
**34 ft.**

Region: SAN MATEO  
 Facility ID: FA0017977  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0022758  
 Description: UNDERGROUND TANK - GENERAL  
 Facility Status: ACTIVE

Region: SAN MATEO  
 Facility ID: FA0017977  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0027807  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: INACTIVE

**F49**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**90364**  
**177 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
**Site 9 of 17 in cluster F**

**HIST UST U001593887**  
**N/A**

**Relative:**  
**Higher**

HIST UST:  
 File Number: Not reported  
 URL: Not reported  
 Region: STATE  
 Facility ID: 00000061797  
 Facility Type: Gas Station  
 Other Type: Not reported  
 Contact Name: C & P SERVICE INC  
 Telephone: 4153446284  
 Owner Name: CHEVRON U.S.A. INC.  
 Owner Address: 575 MARKET

**Actual:**  
**34 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90364 (Continued)

U001593887

Owner City,St,Zip: SAN FRANCISCO, CA 94105  
Total Tanks: 0004

Tank Num: 001  
Container Num: 1  
Year Installed: 1965  
Tank Capacity: 00007000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000250  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1965  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000170  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1965  
Tank Capacity: 00007500  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000250  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1965  
Tank Capacity: 00001000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: 0000130  
Leak Detection: Stock Inventor

F50  
West  
< 1/8  
0.109 mi.  
577 ft.

CHEVRON, FORMER/EAGLE GAS STA  
177 CALIFORNIA  
BURLINGAME, CA 94010  
Site 10 of 17 in cluster F

LUST S104891007  
N/A

Relative:  
Higher

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Pollution Characterization  
Case Number: 660013  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: 1/1/1965

Actual:  
34 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON, FORMER/EAGLE GAS STA (Continued)**

**S104891007**

Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**F51**  
**West**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**BUBBLE MACHINE**  
**177 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**SWEEPS UST** **S101593682**  
**CA FID UST** **N/A**

**Site 11 of 17 in cluster F**

**Relative:**  
**Higher**

**SWEEPS UST:**

**Actual:**  
**34 ft.**

Status: Active  
Comp Number: 660026  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-660026-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 03-24-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 3

Status: Active  
Comp Number: 660026  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-660026-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 03-24-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 660026  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-660026-000003  
Tank Status: A  
Capacity: 6000  
Active Date: 03-24-94  
Tank Use: M.V. FUEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUBBLE MACHINE (Continued)**

**S101593682**

STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 41000151  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4150000000  
Mail To: Not reported  
Mailing Address: 2 ANNABEL LN  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGAME 94010  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**E52**  
**WSW**  
**< 1/8**  
**0.111 mi.**  
**588 ft.**

**124 HIGHLAND AVE**  
**BURLINGAME, CA 94010**

**Site 17 of 18 in cluster E**

**EDR Hist Auto 1015190522**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

**Actual:**  
**35 ft.**

Name: PACIFIC AUTO REPAIR  
Year: 1999  
Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
Year: 2000  
Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
Year: 2001  
Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
Year: 2002  
Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
Year: 2003  
Address: 124 HIGHLAND AVE

Name: VIELBAUM AUTOMOTIVE INC  
Year: 2006  
Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
Year: 2007  
Address: 124 HIGHLAND AVE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015190522**

Name: PACIFIC AUTO REPAIR  
 Year: 2008  
 Address: 124 HIGHLAND AVE

Name: VIELBAUM AUTOMOTIVE INC  
 Year: 2009  
 Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
 Year: 2010  
 Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
 Year: 2011  
 Address: 124 HIGHLAND AVE

Name: PACIFIC AUTO REPAIR  
 Year: 2012  
 Address: 124 HIGHLAND AVE

**E53**      **PACIFIC AUTO REPAIR**  
**WSW**      **124 HIGHLAND**  
**< 1/8**      **BURLINGAME, CA 94010**  
**0.111 mi.**  
**588 ft.**

**San Mateo Co. BI**      **S113756608**  
**N/A**

**Site 18 of 18 in cluster E**

**Relative:**  
**Higher**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0017997  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0011839  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: ACTIVE

Region: SAN MATEO  
 Facility ID: FA0017997  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0004622  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: ACTIVE

**Actual:**  
**35 ft.**

**G54**      **SHEN-LINCOLN MERCURY**  
**SSE**      **2 CALIFORNIA**  
**< 1/8**      **BURLINGAME, CA 94010**  
**0.114 mi.**  
**601 ft.**

**LUST**      **S100944971**  
**N/A**

**Site 1 of 17 in cluster G**

**Relative:**  
**Higher**

LUST REG 2:  
 Region: 2  
 Facility Id: Not reported  
 Facility Status: Case Closed  
 Case Number: 660005  
 How Discovered: OM  
 Leak Cause: Unknown  
 Leak Source: Unknown  
 Date Leak Confirmed: Not reported

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN-LINCOLN MERCURY (Continued)**

**S100944971**

Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: 1/1/1965

**G55**  
**SSE**  
**< 1/8**  
**0.114 mi.**  
**601 ft.**

**PUTNAM TOYOTA**  
**2 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI** **S113757758**  
**N/A**

**Site 2 of 17 in cluster G**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0027496  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0043749  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:**  
**33 ft.**

Region: SAN MATEO  
Facility ID: FA0027496  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0043750  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

**G56**  
**SSE**  
**< 1/8**  
**0.114 mi.**  
**601 ft.**

**PUTNAM AUTOMOTIVE FIAT & TOYOTA**  
**2-50 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI** **S113756029**  
**N/A**

**Site 3 of 17 in cluster G**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0014577  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011945  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:**  
**33 ft.**

Region: SAN MATEO  
Facility ID: FA0014577  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0004746  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0014577  
Prog Element Code: 2352  
Record Id: PR0072073  
Description: TIER I: TANK STOR CAP =>1,320 & <5,000 GAL  
Facility Status: ACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

G57  
SSE  
< 1/8  
0.114 mi.  
601 ft.

SHEN MITSUBISHI  
2 CALIFORNIA  
BURLINGAME, CA 94010

San Mateo Co. BI

S113756637  
N/A

Site 4 of 17 in cluster G

Relative:  
Higher

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0018045  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011859  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Actual:  
33 ft.

Region: SAN MATEO  
Facility ID: FA0018045  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0004714  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

G58  
SSE  
< 1/8  
0.114 mi.  
601 ft.

PUTNAM LINCOLN MERCURY  
2 CALIFORNIA DR  
BURLINGAME, CA 94012

RCRA-SQG  
LUST  
HIST CORTESE

1000305500  
CAD073936528

Site 5 of 17 in cluster G

Relative:  
Higher

RCRA-SQG:

Date form received by agency: 07/25/2000  
Facility name: PUTNAM LINCOLN MERCURY  
Facility address: 2 CALIFORNIA DR  
BURLINGAME, CA 94012  
EPA ID: CAD073936528  
Contact: PAT OBRIEN  
Contact address: 2 CALIFORNIA DR  
BURLINGAME, CA 94010  
Contact country: US  
Contact telephone: (650) 342-8600  
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

Actual:  
33 ft.

Owner/Operator Summary:

Owner/operator name: J AND K MOTORS  
Owner/operator address: 3 CALIFORNIA DR  
BURLINGAME, CA 94010  
Owner/operator country: Not reported  
Owner/operator telephone: (650) 342-8600  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM LINCOLN MERCURY (Continued)**

**1000305500**

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

Handler Activities Summary:

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

. Waste code: D001  
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

LUST:

Region: STATE  
Global Id: T0608100495  
Latitude: 37.577388  
Longitude: -122.339307  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/30/2004  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0519  
LOC Case Number: 660005  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100495  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM LINCOLN MERCURY (Continued)**

**1000305500**

Email: jmadden@smcgov.org  
Phone Number: 6503726298  
  
Global Id: T0608100495  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100495  
Status: Open - Case Begin Date  
Status Date: 03/02/1988  
  
Global Id: T0608100495  
Status: Open - Verification Monitoring  
Status Date: 03/02/1988  
  
Global Id: T0608100495  
Status: Completed - Case Closed  
Status Date: 07/30/2004

Regulatory Activities:

Global Id: T0608100495  
Action Type: Other  
Date: 03/02/1988  
Action: Leak Reported  
  
Global Id: T0608100495  
Action Type: RESPONSE  
Date: 10/31/2003  
Action: Other Report / Document  
  
Global Id: T0608100495  
Action Type: RESPONSE  
Date: 07/30/2004  
Action: Unknown  
  
Global Id: T0608100495  
Action Type: ENFORCEMENT  
Date: 10/03/1989  
Action: Notice of Responsibility - #1  
  
Global Id: T0608100495  
Action Type: ENFORCEMENT  
Date: 07/30/2004  
Action: Closure/No Further Action Letter - #20040730  
  
Global Id: T0608100495  
Action Type: ENFORCEMENT  
Date: 06/13/2003  
Action: Staff Letter - #20030613



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM LINCOLN MERCURY (Continued)**

**1000305500**

Global Id: T0608100495  
Action Type: Other  
Date: 10/06/1989  
Action: Leak Discovery

Global Id: T0608100495  
Action Type: ENFORCEMENT  
Date: 03/30/2004  
Action: Staff Letter - #20040330

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660005  
Facility Status: 9- Case Closed  
Global ID: T0608100495  
APN Number: 029243070  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0519

**F59**  
**West**  
**< 1/8**  
**0.119 mi.**  
**629 ft.**

**MIKE HARVEY HONDA**  
**200 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI S113758114**  
**N/A**

**Site 12 of 17 in cluster F**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0029336  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0049815  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:**  
**33 ft.**

Region: SAN MATEO  
Facility ID: FA0029336  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0049814  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: ACTIVE

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F60**  
**West**  
**< 1/8**  
**0.119 mi.**  
**629 ft.**

**MWE HARVEY CHRYSLER PLYMOUTH**  
**200 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
**Site 13 of 17 in cluster F**

**HIST UST**    **U001593929**  
                   **N/A**

**Relative:**  
**Higher**

HIST UST:  
 File Number:            Not reported  
 URL:                      Not reported  
 Region:                   STATE  
 Facility ID:                00000038201  
 Facility Type:             Other  
 Other Type:               NEWCAR DEALERSHIP  
 Contact Name:            JERRY HOSKING  
 Telephone:                4153426453  
 Owner Name:              MR. M. HARVEY  
 Owner Address:           P.O. BOX 511  
 Owner City,St,Zip:      BURLINGAME, CA 94010  
 Total Tanks:              0002

**Actual:**  
**33 ft.**

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, None

Tank Num:                    002  
 Container Num:             2  
 Year Installed:            Not reported  
 Tank Capacity:            00000500  
 Tank Used for:             PRODUCT  
 Type of Fuel:              Not reported  
 Container Construction Thickness: Not reported  
 Leak Detection:            Visual, None

**F61**  
**West**  
**< 1/8**  
**0.119 mi.**  
**629 ft.**

**MWE HARVEY CHRYSLER PLYMOUTH**  
**200 CALIFORNIA DRIVE**  
**BURLINGAME, CA 94010**  
**Site 14 of 17 in cluster F**

**HIST UST**    **S113041816**  
**HAZNET**     **N/A**

**Relative:**  
**Higher**

HIST UST:  
 File Number:            0002C0AA  
 URL:                      <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C0AA.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

**Actual:**  
**33 ft.**

Tank Num:                   Not reported  
 Container Num:            Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MWE HARVEY CHRYSLER PLYMOUTH (Continued)**

**S113041816**

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:](#)

**HAZNET:**

envid: S113041816  
Year: 2009  
GEPaid: CAL000049077  
Contact: ERIC USHER SERVICE DIRECTOR  
Telephone: 6505796800  
Mailing Name: Not reported  
Mailing Address: PO BOX 943  
Mailing City,St,Zip: BURLINGAME, CA 940110943  
Gen County: Not reported  
TSD EPA ID: NVD982358483  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,  
Organics Recovery Ect  
Tons: 0.22935  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113041816  
Year: 2008  
GEPaid: CAL000049077  
Contact: ERIC USHER SERVICE DIRECTOR  
Telephone: 6505796800  
Mailing Name: Not reported  
Mailing Address: PO BOX 943  
Mailing City,St,Zip: BURLINGAME, CA 940110943  
Gen County: Not reported  
TSD EPA ID: CAD980887418  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.076  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113041816  
Year: 2008  
GEPaid: CAL000049077  
Contact: ERIC USHER SERVICE DIRECTOR  
Telephone: 6505796800  
Mailing Name: Not reported  
Mailing Address: PO BOX 943  
Mailing City,St,Zip: BURLINGAME, CA 940110943  
Gen County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MWE HARVEY CHRYSLER PLYMOUTH (Continued)**

**S113041816**

TSD EPA ID: CAD980887418  
TSD County: Not reported  
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: 0.2085  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113041816  
Year: 2007  
GEPaid: CAL000049077  
Contact: ERIC USHER SERVICE DIRECTOR  
Telephone: 6505796800  
Mailing Name: Not reported  
Mailing Address: PO BOX 943  
Mailing City,St,Zip: BURLINGAME, CA 940110943  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 0.12  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113041816  
Year: 2006  
GEPaid: CAL000049077  
Contact: ERIC USHER SERVICE DIRECTOR  
Telephone: 6505796800  
Mailing Name: Not reported  
Mailing Address: PO BOX 943  
Mailing City,St,Zip: BURLINGAME, CA 940110943  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 0.14  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access 17 additional CA\_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**F62**  
**West**  
**< 1/8**  
**0.119 mi.**  
**629 ft.**

**MIKE HARVEY HONDA**  
**200 CALIFORNIA**  
**BURLINGAME, CA 94010**

**Site 15 of 17 in cluster F**

**San Mateo Co. BI**    **S113755548**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0010382  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011929  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:**  
**33 ft.**

Region: SAN MATEO  
Facility ID: FA0010382  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0004700  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

**G63**  
**SSE**  
**< 1/8**  
**0.121 mi.**  
**637 ft.**

**PUTNAM AUTOMOTIVE CHRYSLER, MAZDA & SUBARU**  
**3-85 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**Site 6 of 17 in cluster G**

**AST**    **A100423626**  
**N/A**

**Relative:**  
**Higher**

AST:  
Certified Unified Program Agencies: Not reported  
Owner: PUTNAM, KENT  
Total Gallons: Not reported  
CERSID: 10342093  
Facility ID: Not reported  
Business Name: PUTNAM AUTOMOTIVE CHRYSLER, MAZDA & SUBARU  
Phone: 6503474800  
Fax: Not reported  
Mailing Address: 3 CALIFORNIA DR  
Mailing Address City: BURLINGAME  
Mailing Address State: CA  
Mailing Address Zip Code: 94010  
Operator Name: Putnam Automotive  
Operator Phone: 6503474800  
Owner Phone: 6505585602  
Owner Mail Address: 3 CALIFORNIA DR  
Owner State: CA  
Owner Zip Code: 94010  
Owner Country: United States  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: CAD981368244

**Actual:**  
**33 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**G64**  
**SSE**  
**< 1/8**  
**0.121 mi.**  
**637 ft.**

**T MOBILE WEST CORP SF13047A**  
**3 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113758728**  
**N/A**

**Site 7 of 17 in cluster G**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:                FA0045342  
Prog Element Code:       STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id:                  PR0058980  
Description:                STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status:            INACTIVE

**Actual:**  
**33 ft.**

**G65**  
**SSE**  
**< 1/8**  
**0.121 mi.**  
**637 ft.**

**PUTNAM AUTOMOTIVE CHRYSLER, MAZDA & SUBARU**  
**3-85 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113759064**  
**N/A**

**Site 8 of 17 in cluster G**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:                FA0052041  
Prog Element Code:       GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id:                  PR0072136  
Description:                GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status:            ACTIVE

**Actual:**  
**33 ft.**

Region:                    SAN MATEO  
Facility ID:                FA0052041  
Prog Element Code:       STORES MV FUELS OR WASTE ONLY  
Record Id:                  PR0072135  
Description:                STORES MV FUELS OR WASTE ONLY  
Facility Status:            ACTIVE

Region:                    SAN MATEO  
Facility ID:                FA0052041  
Prog Element Code:       2352  
Record Id:                  PR0072139  
Description:                TIER I: TANK STOR CAP =>1,320 & <5,000 GAL  
Facility Status:            ACTIVE

**G66**  
**SSE**  
**< 1/8**  
**0.121 mi.**  
**637 ft.**

**PUTNAM MAZDA**  
**3 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**RCRA-SQG**    **1000307166**  
**LUST**        **CAD981983356**  
**FINDS**  
**ECHO**  
**HIST CORTESE**

**Site 9 of 17 in cluster G**

**Relative:**  
**Higher**

RCRA-SQG:  
Date form received by agency: 09/01/1996  
Facility name:             PUTNAM MAZDA  
Facility address:         3 CALIFORNIA DR  
                                  BURLINGAME, CA 94010  
EPA ID:                     CAD981983356  
Contact:                    Not reported  
Contact address:         Not reported  
                                  Not reported  
Contact country:         US

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

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: PUTNAM AUTOMOTIVE INC  
Owner/operator address: 3 CALIFORNIA DR  
BURLINGAME, CA 94010  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 347-4800  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

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

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 08/12/1991  
Site name: PUTNAM MAZDA  
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Region: STATE  
Global Id: T0608100410  
Latitude: 37.5770317201304  
Longitude: -122.339678406715  
Case Type: LUST Cleanup Site  
Status: Open - Site Assessment  
Status Date: 12/27/2002  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: DGM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0431  
LOC Case Number: 660026  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Extracted from Stantec's September 16, 2009 THIRD QUARTER 2009 GROUNDWATER MONITORING REPORT, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is a former ARCO service station that currently operates as an automotive dealership (Putnam Volvo), and is located at the western corner of California Drive and Peninsula Avenue in Burlingame, California. The site currently has eight groundwater monitoring wells (MW-1 through MW-8). MW-1 through MW-4 have been monitored since the fourth quarter 2002. The former underground storage tanks (USTs) were located near the eastern portion of the site. Based on available information, the site (at the time a vacant lot) was acquired by ARCO in November 1946. In April 1948 ARCO constructed the service station and installed two 1,000-gallon USTs. In March 1950, ARCO replaced the previously installed USTs with four 2,000-gallon USTs. A review of aerial photographs indicates an apparent gas station on the site in 1955. In December 1963, a 280-gallon waste oil UST was installed at the site. In November 1971, ARCO replaced four fuel dispensers. In August 1977, ARCO replaced product piping and replaced the four 2,000-gallon gasoline USTs with two 8,000-gallon USTs and one 6,000-gallon UST. In 1983, Joseph and Mary Lou Putnam acquired the site and developed Putnam Buick (Putnam) onsite in 1985. According to currently available information, ARCO divested the site with the USTs, product lines, dispensers, and station building in place. On December 28, 1983, the Burlingame Fire Department inspected the site gasoline USTs in response to a UST permit renewal request. Putman had the USTs removed from the site in March 1985. Blaine Tech Services March 22, 1985 Soil Sampling Report states that four USTs were removed from the site on March 18, 1985. Three of the USTs reportedly stored gasoline, and the fourth stored waste oil. Soil excavated during UST removals was reportedly spread onsite and aerated. Analytical results of soil samples collected from the waste oil UST excavation indicated no detectable concentrations of oil by gas chromatograph and flame ionization (no specific laboratory method was reported). Samples collected from the gasoline UST excavation yielded concentrations of TPHg ranging from 58 to 6,200 milligrams per kilogram (mg/kg). No other remedial activities have been conducted at the site. During two mobilizations, October 17 through October 18, 2002 and November 22, 2002, a URS geologist supervised Gregg Drilling and Testing, Inc. (Gregg), of Martinez, California, during drilling and installation of four groundwater monitoring wells (MW-1 through MW-4). On May 27 and 28, 2004 and July 27 and 29, 2004, a URS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

geologist supervised Gregg in advancing six Geoprobe borings (SB-4 through SB-9) using vehicle-mounted direct-push equipment. Each boring was advanced to approximately 25 to 30 feet bgs. Soil samples were collected every five feet and selected soil samples were submitted for chemical analyses. On July 26 and 31, 2004, a URS geologist supervised Gregg during drilling and installing four groundwater monitoring wells (MW-5 through MW-8) to approximately 25 feet bgs. During drilling, groundwater was encountered at a depth of approximately 23 to 24 feet bgs. On January 15, 2008, SECOR submitted a Work Plan for Groundwater Batch Extraction. Groundwater batch extraction was proposed as a means to remove separate phase hydrocarbons (SPH) and hydrocarbon impacted groundwater from wells MW-1, MW-2, and MW-3. In a letter dated July 30, 2008, GPP conditionally approved the use of vacuum truck equipment for groundwater batch extraction based on the current depth to groundwater. GPP approved the use of vacuum trucks to remove SPH and groundwater when the groundwater level was below the top of the well screen in wells containing SPH. Adsorbent socks were approved to be used to recover SPH when the groundwater is above the top of the well screens. Per SWRCB Resolution 2009-0042, Stantec submitted a Proposed Groundwater Monitoring and Sampling Schedule to the GPP, dated July 28, 2009. The proposal recommended monitoring and sampling on a semi-annual basis during the months of April and October. Site visits will continue on a monthly basis for passive SPH removal.

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0608100410  
Contact Type: Local Agency Caseworker  
Contact Name: DENO MILANO  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: dmilano@smcgov.org  
Phone Number: 6503726292

Global Id: T0608100410  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T0608100410  
Status: Open - Case Begin Date  
Status Date: 03/21/1985

Global Id: T0608100410  
Status: Open - Site Assessment  
Status Date: 11/22/2002

Global Id: T0608100410  
Status: Open - Site Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Status Date: 12/27/2002

Regulatory Activities:

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 01/01/2010  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2016  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 01/01/2009  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 04/01/2009  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 07/01/2009  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 01/01/2011  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 10/30/2008  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 07/01/2010  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 05/22/2013  
Action: Staff Letter - #20130522

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 01/16/2014  
Action: Notice of Violation - #20140116

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 01/15/2013  
Action: Pilot Study/ Treatability Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/21/2016  
Action: Correspondence

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 07/30/2008  
Action: Staff Letter - #20080730

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 09/28/2009  
Action: Staff Letter - #20090928

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 09/10/2014  
Action: Staff Letter - #20140910

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 03/19/2003  
Action: Staff Letter - #20030319

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 03/31/2010  
Action: Staff Letter - #20100331

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 07/20/2005  
Action: Staff Letter - #20050720

Global Id: T0608100410  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Date: 10/30/2002  
Action: Notice of Responsibility - #20021030

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 01/31/2014  
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 10/01/2009  
Action: Free Product Removal

Global Id: T0608100410  
Action Type: REMEDIATION  
Date: 11/06/2012  
Action: Other (Use Description Field)

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 08/11/2009  
Action: Staff Letter - #20090811

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 11/20/2007  
Action: Staff Letter - #20071120

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 10/09/2014  
Action: Technical Correspondence / Assistance / Other - #10/9/2014

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 08/29/2003  
Action: Staff Letter - #20030829

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 08/21/2014  
Action: Technical Correspondence / Assistance / Other - #20140821

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 05/22/2014  
Action: Staff Letter - #20140522

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 12/22/2009  
Action: Technical Correspondence / Assistance / Other - #20091222

Global Id: T0608100410  
Action Type: Other  
Date: 03/26/1985  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Global Id:	T0608100410
Action Type:	RESPONSE
Date:	08/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	08/01/2014
Action:	Soil and Water Investigation Workplan - Addendum - Regulator Responded
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	07/16/2015
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	10/29/2003
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	01/13/2011
Action:	Staff Letter - #20110113
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	09/24/2014
Action:	Site Visit / Inspection / Sampling - #20140924
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	03/04/2015
Action:	Staff Letter - #20150304
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	07/15/2014
Action:	Technical Correspondence / Assistance / Other - #20140715
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	11/24/2014
Action:	Technical Correspondence / Assistance / Other - #20141124
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	11/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	05/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Date: 05/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 10/09/2015  
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 03/05/2014  
Action: Staff Letter - #20140305

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 07/28/2005  
Action: Staff Letter - #20050728

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 09/09/2015  
Action: Staff Letter - #20150909

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 03/28/2016  
Action: Staff Letter - #20160328

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 07/21/2016  
Action: Staff Letter - #20160721

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 11/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 11/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 06/24/2003  
Action: Electronic Reporting Submittal Due

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 09/08/2004  
Action: Soil and Water Investigation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 10/04/2004  
Action: Site Assessment Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 06/21/2005  
Action: Correspondence

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 04/05/2014  
Action: Electronic Reporting Submittal Due

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2015  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2006  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Global Id:	T0608100410
Action Type:	RESPONSE
Date:	11/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	08/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	12/06/2002
Action:	Correspondence
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	02/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	09/14/2005
Action:	Correspondence
Global Id:	T0608100410
Action Type:	REMEDIATION
Date:	10/16/2008
Action:	Free Product Removal
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	10/14/2011
Action:	Staff Letter - #20111014
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	11/29/2016
Action:	Staff Letter - #20161129
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	04/25/2016
Action:	Email Correspondence - #20160425
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	01/14/2016
Action:	Meeting - #20160114
Global Id:	T0608100410
Action Type:	RESPONSE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Date: 08/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/31/2010  
Action: Soil and Water Investigation Workplan

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2014  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/06/2015  
Action: Well Installation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 10/29/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 04/30/2015  
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 10/29/2003  
Action: Soil and Water Investigation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 12/03/2014  
Action: Site Assessment Report

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 04/14/2011  
Action: Staff Letter - #20110414

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	12/15/2015
Action:	Staff Letter - #20151215
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	11/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	02/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	08/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	05/15/2015
Action:	Electronic Reporting Submittal Due
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	05/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	05/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0608100410
Action Type:	RESPONSE
Date:	05/31/2016
Action:	Well Installation Report
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	05/15/1995
Action:	Notice of Responsibility - #19950515
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	09/10/2002
Action:	Staff Letter - #20020910
Global Id:	T0608100410
Action Type:	ENFORCEMENT
Date:	06/30/2004
Action:	Staff Letter - #20040630
Global Id:	T0608100410
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Date: 04/22/2005  
Action: Staff Letter - #20050422

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 04/13/2004  
Action: Staff Letter - #20040413

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 08/14/2013  
Action: Staff Letter - #20130814

Global Id: T0608100410  
Action Type: Other  
Date: 03/21/1985  
Action: Leak Discovery

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2016  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 04/30/2016  
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/15/2016  
Action: Electronic Reporting Submittal Due

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 03/03/2016  
Action: Correspondence

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 05/13/2003  
Action: Staff Letter - #20030513

Global Id: T0608100410  
Action Type: ENFORCEMENT  
Date: 06/14/2012  
Action: Staff Letter - #20120614

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/14/2011  
Action: Correspondence

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Semi-Annually

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 02/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 08/08/2011  
Action: Soil and Water Investigation Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/16/2017  
Action: Remedial Progress Report

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 05/31/2016  
Action: Other Report / Document

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 11/15/2016  
Action: Electronic Reporting Submittal Due

Global Id: T0608100410  
Action Type: RESPONSE  
Date: 11/15/2015  
Action: Electronic Reporting Submittal Due

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660026  
Facility Status: 5C- Pollution Characterization  
Global ID: T0608100410  
APN Number: 029242240  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**FINDS:**

Registry ID: 110002764508

Environmental Interest/Information System  
AIR EMISSIONS CLASSIFICATION UNKNOWN

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.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PUTNAM MAZDA (Continued)**

**1000307166**

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.

**ECHO:**

Envid: 1000307166  
 Registry ID: 110002764508  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002764508](http://echo.epa.gov/detailed_facility_report?fid=110002764508)

**HIST CORTESE:**

Region: CORTESE  
 Facility County Code: 41  
 Reg By: LTNKA  
 Reg Id: 41-0431

**G67**  
**SSE**  
 < 1/8  
 0.121 mi.  
 637 ft.

**PUTNAM VOLVO**  
**3-65 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI S113755327**  
**N/A**

**Site 10 of 17 in cluster G**

**Relative:**  
**Higher**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0006062  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0011881  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: INACTIVE

**Actual:**  
 33 ft.

Region: SAN MATEO  
 Facility ID: FA0006062  
 Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
 Record Id: PR0004658  
 Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
 Facility Status: INACTIVE

**G68**  
**SSE**  
 < 1/8  
 0.121 mi.  
 637 ft.

**ARCO #0249**  
**3 CALIFORNIA**  
**BURLINGAME, CA 94010**

**LUST S103396197**  
**N/A**

**Site 11 of 17 in cluster G**

**Relative:**  
**Higher**

LUST REG 2:  
 Region: 2  
 Facility Id: Not reported  
 Facility Status: Pollution Characterization  
 Case Number: 660026  
 How Discovered: Tank Closure  
 Leak Cause: Unknown  
 Leak Source: Unknown  
 Date Leak Confirmed: Not reported

**Actual:**  
 33 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #0249 (Continued)**

**S103396197**

Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 11/22/2002  
Pollution Characterization Began: 12/27/2002  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**G69**  
**SSE**  
**< 1/8**  
**0.121 mi.**  
**637 ft.**

**IN-ACTIVE ARCO STATION**  
**3 CALIFORNIA DR**  
**BURLINGAME, CA 94010**

**HIST UST** **U001593921**  
**N/A**

**Site 12 of 17 in cluster G**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**33 ft.**

File Number: 0002BF9E  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BF9E.pdf>  
Region: STATE  
Facility ID: 00000015802  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: 4153424321  
Owner Name: JOSEPH D. PUTNAM  
Owner Address: 50 CALIFORNIA DR.  
Owner City,St,Zip: BURLINGAME, CA 94010  
Total Tanks: 0000

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

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00008000  
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: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: None

Click here for Geo Tracker PDF:

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>G70</b>	<b>PUTNAM VOLVO</b>	<b>San Mateo Co. BI</b>	<b>S113758979</b>
<b>SE</b>	<b>900 PENINSULA</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		
<b>0.123 mi.</b>			
<b>648 ft.</b>	<b>Site 13 of 17 in cluster G</b>		

<b>Relative:</b>	San Mateo Co. BI:		
<b>Higher</b>	Region:	SAN MATEO	
	Facility ID:	FA0050090	
<b>Actual:</b>	Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT	
<b>32 ft.</b>	Record Id:	PR0068546	
	Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT	
	Facility Status:	ACTIVE	
	Region:	SAN MATEO	
	Facility ID:	FA0050090	
	Prog Element Code:	STORES HAZ MAT <219GAL,1,999LB, 879FT3	
	Record Id:	PR0068545	
	Description:	STORES HAZ MAT <219GAL,1,999LB, 879CF	
	Facility Status:	ACTIVE	
	Region:	SAN MATEO	
	Facility ID:	FA0050090	
	Prog Element Code:	2352	
	Record Id:	PR0068550	
	Description:	TIER I: TANK STOR CAP =>1,320 & <5,000 GAL	
	Facility Status:	ACTIVE	

<b>G71</b>	<b>PUTNAM BUICK INC</b>	<b>San Mateo Co. BI</b>	<b>S113755328</b>
<b>SE</b>	<b>900 PENINSULA</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>BURLINGAME, CA 94010</b>		
<b>0.123 mi.</b>			
<b>648 ft.</b>	<b>Site 14 of 17 in cluster G</b>		

<b>Relative:</b>	San Mateo Co. BI:		
<b>Higher</b>	Region:	SAN MATEO	
	Facility ID:	FA0006097	
<b>Actual:</b>	Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT	
<b>32 ft.</b>	Record Id:	PR0011882	
	Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT	
	Facility Status:	INACTIVE	
	Region:	SAN MATEO	
	Facility ID:	FA0006097	
	Prog Element Code:	STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3	
	Record Id:	PR0004659	
	Description:	STORES HAZ MAT <1,199GAL,9,999LB,4,799CF	
	Facility Status:	INACTIVE	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G72**  
**SE**  
**< 1/8**  
**0.123 mi.**  
**648 ft.**

**900 PENINSULA AVE**  
**BURLINGAME, CA 94010**

**Site 15 of 17 in cluster G**

**EDR Hist Auto**    **1015666708**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name: PUTNAM BUICK PONTIAC BODY SHOP INC  
Year: 2005  
Address: 900 PENINSULA AVE

**Actual:**  
**32 ft.**

Name: PUTNAM BUICK PONTIAC BODY SHOP INC  
Year: 2006  
Address: 900 PENINSULA AVE

Name: PUTNAM BUICK PONTIAC BODY SHOP  
Year: 2007  
Address: 900 PENINSULA AVE

**G73**  
**SE**  
**< 1/8**  
**0.123 mi.**  
**648 ft.**

**DUTNAM HYUNDAI**  
**900 PENINSULA AVE**  
**BURLINGAME, CA 94010**

**Site 16 of 17 in cluster G**

**RCRA-SQG**    **1000307167**  
**FINDS**    **CAD982409344**  
**ECHO**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 03/25/1988  
Facility name: DUTNAM HYUNDAI  
Facility address: 900 PENINSULA AVE  
BURLINGAME, CA 94010  
EPA ID: CAD982409344  
Mailing address: PO BOX 707  
BURLINGAME, CA 94011  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 900 PENINSULA AVE  
BURLINGAME, CA 94010  
Contact country: US  
Contact telephone: (415) 347-4277  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**32 ft.**

Owner/Operator Summary:

Owner/operator name: PUTNAM HYUNDAI  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DUTNAM HYUNDAI (Continued)**

**1000307167**

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

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used 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: 110009544751

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.

ECHO:

Envid: 1000307167  
Registry ID: 110009544751  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110009544751](http://echo.epa.gov/detailed_facility_report?fid=110009544751)

H74  
NW  
1/8-1/4  
0.126 mi.  
665 ft.

**A & I CUSTOMS**  
**255 MYRTLE**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI** **S113756196**  
**N/A**

**Site 1 of 9 in cluster H**

**Relative:**  
**Lower**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0016140  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011924

**Actual:**  
**27 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A & I CUSTOMS (Continued)**

**S113756196**

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: INACTIVE

Region: SAN MATEO  
 Facility ID: FA0016140  
 Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
 Record Id: PR0027454  
 Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
 Facility Status: INACTIVE

**H75  
 NW  
 1/8-1/4  
 0.126 mi.  
 665 ft.**

**2M AUTOMOTIVE  
 255 MYRTLE  
 BURLINGAME, CA 94010  
 Site 2 of 9 in cluster H**

**San Mateo Co. BI S113758563  
 N/A**

**Relative:  
 Lower**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0040750  
 Prog Element Code: GENERATES <27 GAL/YEAR  
 Record Id: PR0056556  
 Description: GENERATES <27 GAL/YEAR  
 Facility Status: INACTIVE

**Actual:  
 27 ft.**

Region: SAN MATEO  
 Facility ID: FA0040750  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0066844  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: INACTIVE

**H76  
 WNW  
 1/8-1/4  
 0.127 mi.  
 671 ft.**

**RUPPELS AUTO FIXATION  
 260 EAST  
 BURLINGAME, CA 94010  
 Site 3 of 9 in cluster H**

**San Mateo Co. BI S113756627  
 N/A**

**Relative:  
 Lower**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0018024  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0011842  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: INACTIVE

**Actual:  
 29 ft.**

Region: SAN MATEO  
 Facility ID: FA0018024  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0004621  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: INACTIVE

Region: SAN MATEO  
 Facility ID: FA0018024  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0070141

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RUPPELS AUTO FIXATION (Continued)**

**S113756627**

Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

**H77  
WNW  
1/8-1/4  
0.127 mi.  
671 ft.**

**RUPPELS AUTO FIXATION  
260 EAST  
BURLINGAME, CA 94010**

**San Mateo Co. BI**

**S113759009  
N/A**

**Site 4 of 9 in cluster H**

**Relative:  
Lower**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0050716  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0070419  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:  
29 ft.**

Region: SAN MATEO  
Facility ID: FA0050716  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0070418  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

**H78  
NW  
1/8-1/4  
0.127 mi.  
672 ft.**

**ALL MAKES AUTO BODY  
257 MYRTLE  
BURLINGAME, CA 94010**

**San Mateo Co. BI**

**S113755525  
N/A**

**Site 5 of 9 in cluster H**

**Relative:  
Lower**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0010115  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0011925  
Description: GENERATES <27 GAL/YEAR  
Facility Status: INACTIVE

**Actual:  
27 ft.**

Region: SAN MATEO  
Facility ID: FA0010115  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0004697  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**F79**  
**West**  
**1/8-1/4**  
**0.133 mi.**  
**703 ft.**

**UST SITE**  
**1100 HOWARD**  
**BURLINGAME, CA 94010**  
  
**Site 16 of 17 in cluster F**

**San Mateo Co. BI**    **S113758802**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0046061  
Prog Element Code:    UNDERGROUND TANK - GENERAL  
Record Id:                PR0061788  
Description:             UNDERGROUND TANK - GENERAL  
Facility Status:         INACTIVE

**Actual:**  
**34 ft.**

**80**  
**SSW**  
**1/8-1/4**  
**0.136 mi.**  
**716 ft.**

**UST SITE**  
**20 HIGHLAND**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113757493**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0026400  
Prog Element Code:    UNDERGROUND TANK - GENERAL  
Record Id:                PR0038239  
Description:             UNDERGROUND TANK - GENERAL  
Facility Status:         INACTIVE

**Actual:**  
**38 ft.**

**H81**  
**WNW**  
**1/8-1/4**  
**0.142 mi.**  
**751 ft.**

**D&R AUTO BODY & PAINT**  
**270 EAST**  
**BURLINGAME, CA 94010**  
  
**Site 6 of 9 in cluster H**

**San Mateo Co. BI**    **S113755775**  
**N/A**

**Relative:**  
**Lower**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0012242  
Prog Element Code:    GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id:                PR0024648  
Description:             GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status:         INACTIVE

**Actual:**  
**29 ft.**

Region:                    SAN MATEO  
Facility ID:              FA0012242  
Prog Element Code:    STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id:                PR0024647  
Description:             STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status:         INACTIVE

MAP FINDINGS

Map ID Direction Distance Elevation Site Database(s) EDR ID Number EPA ID Number

**H82** **SILVER AUTO SVC** **San Mateo Co. BI** **S113755774**  
**WNW** **270 EAST** **N/A**  
**1/8-1/4** **BURLINGAME, CA 94010**  
**0.142 mi.**  
**751 ft.** **Site 7 of 9 in cluster H**

**Relative:** San Mateo Co. BI:  
**Lower** Region: SAN MATEO  
Facility ID: FA0012240  
**Actual:** Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
**29 ft.** Record Id: PR0024646  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0012240  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0024645  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

**H83** **BURLINGAME DIAGNOSTIC CTR** **San Mateo Co. BI** **S113756194**  
**WNW** **270 EAST** **N/A**  
**1/8-1/4** **BURLINGAME, CA 94010**  
**0.142 mi.**  
**751 ft.** **Site 8 of 9 in cluster H**

**Relative:** San Mateo Co. BI:  
**Lower** Region: SAN MATEO  
Facility ID: FA0016125  
**Actual:** Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
**29 ft.** Record Id: PR0024505  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0016125  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0024506  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

**F84** **UST SITE** **San Mateo Co. BI** **S113758801**  
**WSW** **1101-07 HOWARD** **N/A**  
**1/8-1/4** **BURLINGAME, CA 94010**  
**0.145 mi.**  
**766 ft.** **Site 17 of 17 in cluster F**

**Relative:** San Mateo Co. BI:  
**Higher** Region: SAN MATEO  
Facility ID: FA0046060  
**Actual:** Prog Element Code: UNDERGROUND TANK - GENERAL  
**35 ft.** Record Id: PR0061787  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G85** VERACOM AUTOMOTIVE GROUP  
**SSE** 885 SAN MATEO  
**1/8-1/4** SAN MATEO, CA 94401  
**0.147 mi.**  
**777 ft.** Site 17 of 17 in cluster G

San Mateo Co. BI S108937492  
N/A

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0036915  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0053774  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

**Actual:**  
**33 ft.**

Region: SAN MATEO  
Facility ID: FA0036915  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0053773  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

**I86** EXXON CO USA SAN MATEO BULK PLT  
**ESE** 320 PENINSULA  
**1/8-1/4** SAN MATEO, CA 94402  
**0.161 mi.**  
**852 ft.** Site 1 of 2 in cluster I

LUST 1000336472  
RCRA NonGen / NLR CAT080010713  
FINDS  
ECHO  
HIST CORTESE

**Relative:**  
**Higher**

LUST:  
Region: STATE  
Global Id: T0608100208  
Latitude: 37.577669  
Longitude: -122.337732  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 06/04/2001  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0218  
LOC Case Number: 110013  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**Actual:**  
**32 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100208  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100208  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON CO USA SAN MATEO BULK PLT (Continued)**

**1000336472**

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100208  
Status: Open - Case Begin Date  
Status Date: 09/28/1985

Global Id: T0608100208  
Status: Completed - Case Closed  
Status Date: 06/04/2001

Regulatory Activities:

Global Id: T0608100208  
Action Type: Other  
Date: 09/28/1985  
Action: Leak Reported

Global Id: T0608100208  
Action Type: REMEDIATION  
Date: 08/15/1985  
Action: Excavation

Global Id: T0608100208  
Action Type: ENFORCEMENT  
Date: 04/11/1989  
Action: Notice of Responsibility - #1

Global Id: T0608100208  
Action Type: Other  
Date: 10/09/1985  
Action: Leak Discovery

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 110013  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

SAN MATEO CO. LUST:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON CO USA SAN MATEO BULK PLT (Continued)**

**1000336472**

Region: SAN MATEO  
Facility ID: 110013  
Facility Status: 9- Case Closed  
Global ID: T0608100208  
APN Number: Not reported  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**RCRA NonGen / NLR:**

Date form received by agency: 08/15/1980  
Facility name: EXXON CO USA SAN MATEO BULK PLT  
Facility address: 320 PENINSULA  
SAN MATEO, CA 94402  
EPA ID: CAT080010713  
Mailing address: P.O. BOX FIFTH THOUSAND SECOND  
SAN MATEO, CA 94402  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 320 PENINSULA  
SAN MATEO, CA 94402  
Contact country: US  
Contact telephone: (214) 385-4728  
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: EXXON CORPORATION  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

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

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON CO USA SAN MATEO BULK PLT (Continued)**

**1000336472**

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: 110002945261

**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.

**ECHO:**

Envid: 1000336472  
Registry ID: 110002945261  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002945261](http://echo.epa.gov/detailed_facility_report?fid=110002945261)

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0218

**J87  
West  
1/8-1/4  
0.162 mi.  
853 ft.**

**FEDERAL AUTO PARTS  
231 CALIFORNIA  
BURLINGAME, CA 94010**

**San Mateo Co. BI S113756631  
N/A**

**Site 1 of 9 in cluster J**

**Relative:  
Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0018038  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011854  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:  
34 ft.**

Region: SAN MATEO  
Facility ID: FA0018038  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0004672  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**H88**  
**WNW**  
**1/8-1/4**  
**0.163 mi.**  
**863 ft.**

**UST SITE**  
**1021 BURLINGAME**  
**BURLINGAME, CA 94010**  
  
**Site 9 of 9 in cluster H**

**San Mateo Co. BI**    **S113758849**  
**N/A**

**Relative:**  
**Lower**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0046818  
Prog Element Code:      UNDERGROUND TANK - GENERAL  
Record Id:                PR0063724  
Description:              UNDERGROUND TANK - GENERAL  
Facility Status:          INACTIVE

**Actual:**  
**29 ft.**

**89**  
**NNE**  
**1/8-1/4**  
**0.165 mi.**  
**869 ft.**

**ANTOSIK, EDWIN**  
**701 HOWARD**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**    **S113757580**  
**N/A**

**Relative:**  
**Lower**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0026863  
Prog Element Code:      UNDERGROUND TANK - GENERAL  
Record Id:                PR0039854  
Description:              UNDERGROUND TANK - GENERAL  
Facility Status:          INACTIVE

**Actual:**  
**27 ft.**

**J90**  
**WNW**  
**1/8-1/4**  
**0.166 mi.**  
**879 ft.**

**BB STERN COMPANY**  
**222 CALIFORNIA**  
**BURLINGAME, CA 94010**  
  
**Site 2 of 9 in cluster J**

**San Mateo Co. BI**    **S113757288**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region:                    SAN MATEO  
Facility ID:              FA0025127  
Prog Element Code:      UNDERGROUND TANK - GENERAL  
Record Id:                PR0033106  
Description:              UNDERGROUND TANK - GENERAL  
Facility Status:          INACTIVE

**Actual:**  
**33 ft.**

**J91**  
**West**  
**1/8-1/4**  
**0.171 mi.**  
**901 ft.**

**STERLING CLEANERS (FORMER)**  
**215 CALIFORNIA DRIVE**  
**BURLINGAME, CA 94010**  
  
**Site 3 of 9 in cluster J**

**LUST**    **S110275436**  
**N/A**

**Relative:**  
**Higher**

LUST:  
Region:                    STATE  
Global Id:                T10000003211  
Latitude:                 37.5788130708654  
Longitude:               -122.344790697098  
Case Type:               LUST Cleanup Site  
Status:                    Open - Site Assessment  
Status Date:              08/11/2011  
Lead Agency:             SAN MATEO COUNTY LOP

**Actual:**  
**34 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (FORMER) (Continued)**

**S110275436**

Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 660105  
File Location: All Files are on GeoTracker or in the Local Agency Database  
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil  
Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates  
Site History: multiple stoddard tanks removed 3/2011. Case opened 8/11/2011 based on evidence of free-product in groundwater.

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

Contact:

Global Id: T10000003211  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T10000003211  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T10000003211  
Status: Open - Case Begin Date  
Status Date: 08/11/2011

Global Id: T10000003211  
Status: Open - Site Assessment  
Status Date: 08/11/2011

Regulatory Activities:

Global Id: T10000003211  
Action Type: Other  
Date: 03/17/2011  
Action: Leak Discovery

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 09/30/2011  
Action: Verbal Communication

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 02/24/2012  
Action: Verbal Communication

Global Id: T10000003211

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (FORMER) (Continued)**

**S110275436**

Action Type:	ENFORCEMENT
Date:	03/28/2013
Action:	Staff Letter - #20130328
Global Id:	T10000003211
Action Type:	Other
Date:	03/17/2011
Action:	Leak Stopped
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	06/29/2012
Action:	Site Assessment Report
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	07/06/2016
Action:	Well Destruction Report
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	07/19/2016
Action:	Correspondence
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	04/21/2015
Action:	Staff Letter - #20150421
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	02/15/2012
Action:	Preliminary Site Assessment Workplan - Regulator Responded
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	01/11/2013
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	08/23/2013
Action:	Site Assessment Report - Regulator Responded
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	02/03/2015
Action:	Staff Letter - #20150203
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	04/25/2014
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	11/21/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (FORMER) (Continued)**

**S110275436**

Action: Site Assessment Report - Regulator Responded

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 09/18/2015  
Action: Proposed Plan - Regulator Responded

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 03/13/2015  
Action: Remedial Investigation Workplan - Regulator Responded

Global Id: T10000003211  
Action Type: ENFORCEMENT  
Date: 08/11/2011  
Action: Staff Letter - #20110811

Global Id: T10000003211  
Action Type: ENFORCEMENT  
Date: 02/13/2014  
Action: Staff Letter - #20140213

Global Id: T10000003211  
Action Type: ENFORCEMENT  
Date: 07/23/2014  
Action: Staff Letter - #2014072014

Global Id: T10000003211  
Action Type: Other  
Date: 07/06/2011  
Action: Leak Reported

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 11/15/2015  
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 02/15/2016  
Action: Other Report / Document - Regulator Responded

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 05/15/2014  
Action: Monitoring Report - Quarterly

Global Id: T10000003211  
Action Type: RESPONSE  
Date: 04/20/2015  
Action: Correspondence

Global Id: T10000003211  
Action Type: ENFORCEMENT  
Date: 04/19/2016  
Action: Staff Letter - #20160419

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (FORMER) (Continued)**

**S110275436**

Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	09/30/2015
Action:	Staff Letter - #20150930
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	02/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	12/31/2015
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	08/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	09/29/2011
Action:	Staff Letter - #20110929
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	01/12/2012
Action:	Staff Letter - #20120112
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	02/28/2012
Action:	Staff Letter - #20120228
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	01/19/2012
Action:	Notice of Responsibility - #20120119
Global Id:	T10000003211
Action Type:	ENFORCEMENT
Date:	09/06/2012
Action:	Staff Letter - #20120906
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	05/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000003211
Action Type:	RESPONSE
Date:	12/15/2016
Action:	Remedial Progress Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (FORMER) (Continued)**

**S110275436**

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660105  
Facility Status: 3B- Preliminary Assessment Underway  
Global ID: T10000003211  
APN Number: 029211080  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

Region: SAN MATEO  
Facility ID: 669113  
Facility Status: 3B- Preliminary Assessment Underway  
Global ID: T10000005652  
APN Number: 029211080  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**J92**  
**West**  
**1/8-1/4**  
**0.171 mi.**  
**901 ft.**

**UST SITE**  
**215 CALIFORNIA**  
**BURLINGAME, CA 94010**  
**Site 4 of 9 in cluster J**

**SLIC** **S113758800**  
**San Mateo Co. BI** **N/A**

**Relative:**  
**Higher**

**SLIC:**

**Actual:**  
**34 ft.**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 02/13/2014  
Global Id: T10000005652  
Lead Agency: SAN MATEO COUNTY LOP  
Lead Agency Case Number: 669113  
Latitude: 37.5788353  
Longitude: -122.3444406  
Case Type: Cleanup Program Site  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Tetrachloroethylene (PCE)  
Site History: Likely PCE detected is from adjacent site, will likely close upon confirmation.

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

**San Mateo Co. BI:**

Region: SAN MATEO  
Facility ID: FA0046059  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0061786  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>K93</b>	<b>WHITECLIFF CO</b>	<b>San Mateo Co. BI</b>	<b>S103951282</b>
<b>SE</b>	<b>859 SAN MATEO</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>SAN MATEO, CA 94401</b>		
<b>0.177 mi.</b>			
<b>932 ft.</b>	<b>Site 1 of 5 in cluster K</b>		

<b>Relative:</b>	San Mateo Co. BI:		
<b>Higher</b>	Region:	SAN MATEO	
	Facility ID:	FA0023669	
<b>Actual:</b>	Prog Element Code:	UNDERGROUND TANK - GENERAL	
<b>34 ft.</b>	Record Id:	PR0027495	
	Description:	UNDERGROUND TANK - GENERAL	
	Facility Status:	INACTIVE	

<b>K94</b>	<b>WHITECLIFF COMPANY INC</b>	<b>HIST UST</b>	<b>U001596018</b>
<b>SE</b>	<b>859 SAN MATEO DRIVE</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>SAN MATEO, CA 94401</b>		
<b>0.177 mi.</b>			
<b>932 ft.</b>	<b>Site 2 of 5 in cluster K</b>		

<b>Relative:</b>	HIST UST:		
<b>Higher</b>	File Number:	0002C456	
	URL:	<a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C456.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C456.pdf</a>	
<b>Actual:</b>	Region:	STATE	
<b>34 ft.</b>	Facility ID:	00000031738	
	Facility Type:	Other	
	Other Type:	CONTRACTOR	
	Contact Name:	Not reported	
	Telephone:	4153478201	
	Owner Name:	WHITECLIFF COMPANY, INC.	
	Owner Address:	859 SAN MATEO DRIVE	
	Owner City,St,Zip:	SAN MATEO, CA 944401	
	Total Tanks:	0001	
	Tank Num:	001	
	Container Num:	1	
	Year Installed:	1979	
	Tank Capacity:	00002000	
	Tank Used for:	PRODUCT	
	Type of Fuel:	UNLEADED	
	Container Construction Thickness:	Not reported	
	Leak Detection:	Stock Inventor	

Click here for Geo Tracker PDF:

<b>J95</b>	<b>STERLING CLEANERS</b>	<b>RCRA-SQG</b>	<b>1000364529</b>
<b>West</b>	<b>1140 HOWARD AVE</b>	<b>FINDS</b>	<b>CAD981632094</b>
<b>1/8-1/4</b>	<b>BURLINGAME, CA 94010</b>	<b>ECHO</b>	
<b>0.179 mi.</b>		<b>DRYCLEANERS</b>	
<b>946 ft.</b>	<b>Site 5 of 9 in cluster J</b>	<b>HAZNET</b>	

<b>Relative:</b>	RCRA-SQG:		
<b>Higher</b>	Date form received by agency:	09/01/1996	
	Facility name:	STERLING CLEANERS	
<b>Actual:</b>	Facility address:	1140 HOWARD AVE	
<b>35 ft.</b>		BURLINGAME, CA 94010	
	EPA ID:	CAD981632094	
	Contact:	Not reported	



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (Continued)**

**1000364529**

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

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

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 12/09/1986  
Site name: STERLING CLEANERS  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (Continued)**

**1000364529**

Violation Status: No violations found

**FINDS:**

Registry ID: 110001153796

**Environmental Interest/Information System**

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

STATE MASTER

**ECHO:**

Envid: 1000364529  
Registry ID: 110001153796  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110001153796](http://echo.epa.gov/detailed_facility_report?fid=110001153796)

**DRYCLEANERS:**

EPA Id: CAL000215134  
NAICS Code: 81232  
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)  
SIC Code: 7211  
SIC Description: Power Laundries, Family and Commercial  
Create Date: 01/19/2000  
Facility Active: No  
Inactive Date: 10/29/2013  
Facility Addr2: Not reported  
Owner Name: STERLING CLEANERS INC  
Owner Address: 1140 HOWARD AVE  
Owner Address 2: Not reported  
Owner Telephone: 6503433605  
Contact Name: DAVID PLACK/PRESIDENT  
Contact Address: 1140 HOWARD AVE  
Contact Address 2: Not reported  
Contact Telephone: 6503430125  
Mailing Name: Not reported  
Mailing Address 1: 7076 FAIRWAY PL  
Mailing Address 2: Not reported  
Mailing City: CARMEL  
Mailing State: CA  
Mailing Zip: 93923  
Owner Fax: 0000000000  
Region Code: 2

**HAZNET:**

envid: 1000364529  
Year: 1997  
GEPaid: CAD981632094  
Contact: STERLING CLEANERS  
Telephone: 4153433605  
Mailing Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (Continued)**

**1000364529**

Mailing Address: 1140 HOWARD AVE  
Mailing City,St,Zip: BURLINGAME, CA 940104226  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .8775  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000364529  
Year: 1996  
GEPaid: CAD981632094  
Contact: STERLING CLEANERS  
Telephone: 4153433605  
Mailing Name: Not reported  
Mailing Address: 1140 HOWARD AVE  
Mailing City,St,Zip: BURLINGAME, CA 940104226  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 1.1700  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000364529  
Year: 1996  
GEPaid: CAD981632094  
Contact: STERLING CLEANERS  
Telephone: 4153433605  
Mailing Name: Not reported  
Mailing Address: 1140 HOWARD AVE  
Mailing City,St,Zip: BURLINGAME, CA 940104226  
Gen County: Not reported  
TSD EPA ID: CAO000084517  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: .1950  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000364529  
Year: 1995  
GEPaid: CAD981632094  
Contact: STERLING CLEANERS  
Telephone: 4153433605  
Mailing Name: Not reported  
Mailing Address: 1140 HOWARD AVE  
Mailing City,St,Zip: BURLINGAME, CA 940104226  
Gen County: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (Continued)**

**1000364529**

TSD EPA ID: CAT000613950  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Transfer Station  
Tons: 1.0725  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000364529  
Year: 1994  
GEPaid: CAD981632094  
Contact: STERLING CLEANERS  
Telephone: 4153433605  
Mailing Name: Not reported  
Mailing Address: 1140 HOWARD AVE  
Mailing City,St,Zip: BURLINGAME, CA 940104226  
Gen County: Not reported  
TSD EPA ID: CAT000613893  
TSD County: Not reported  
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L  
Disposal Method: Not reported  
Tons: .3825  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access  
3 additional CA\_HAZNET: record(s) in the EDR Site Report.

**J96**  
**West**  
**1/8-1/4**  
**0.179 mi.**  
**946 ft.**

**STERLING CLEANERS**  
**1140 HOWARD AVENUE**  
**BURLINGAME, CA 94010**

**LUST** **S113756634**  
**SLIC** **N/A**  
**San Mateo Co. BI**

**Site 6 of 9 in cluster J**

**Relative:**  
**Higher**

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 669111  
Facility Status: 3B- Preliminary Assessment Underway  
Global ID: T10000006541  
APN Number: 029211130  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**Actual:**  
**35 ft.**

**SLIC:**

Region: STATE  
**Facility Status:** **Open - Site Assessment**  
Status Date: 03/10/2015  
Global Id: T10000006541  
Lead Agency: SAN MATEO COUNTY LOP  
Lead Agency Case Number: 669116  
Latitude: 37.578388  
Longitude: -122.3445489  
Case Type: Cleanup Program Site  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STERLING CLEANERS (Continued)**

**S113756634**

RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Tetrachloroethylene (PCE)  
Site History: Case opened 2015, no signed RAA, out of compliance (6/18/2015)

[Click here to access the California GeoTracker records for this facility:](#)

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0018042  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011857  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0018042  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0004614  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

L97  
East  
1/8-1/4  
0.181 mi.  
955 ft.

**SHELL OIL STATION, #6**  
**400 PENINSULA AVE**  
**SAN MATEO, CA 94404**  
**Site 1 of 3 in cluster L**

**SWEEPS UST S101593926**  
**CA FID UST N/A**

**Relative:**  
**Lower**  
**Actual:**  
**31 ft.**

**SWEEPS UST:**  
Status: Active  
Comp Number: 110063  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-20-94  
Action Date: 04-20-94  
Created Date: 10-13-88  
Owner Tank Id: 6894-1206-SR-1  
SWRCB Tank Id: 41-000-110063-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 04-20-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4  
  
Status: Active  
Comp Number: 110063  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-20-94  
Action Date: 04-20-94  
Created Date: 10-13-88  
Owner Tank Id: 6894-1206-1RU1  
SWRCB Tank Id: 41-000-110063-000002  
Tank Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL OIL STATION, #6 (Continued)**

**S101593926**

Capacity: 10000  
Active Date: 04-20-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 110063  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-20-94  
Action Date: 04-20-94  
Created Date: 10-13-88  
Owner Tank Id: 6894-1206-3RG1  
SWRCB Tank Id: 41-000-110063-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 04-20-94  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 110063  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-20-94  
Action Date: 04-20-94  
Created Date: 10-13-88  
Owner Tank Id: 6894-1206-3RG1  
SWRCB Tank Id: 41-000-110063-000004  
Tank Status: A  
Capacity: 500  
Active Date: 04-20-94  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**CA FID UST:**

Facility ID: 41003064  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City, St, Zip: SAN MATEO 94401  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL OIL STATION, #6 (Continued)**

**S101593926**

Comments: Not reported  
Status: Active

**L98**  
**East**  
**1/8-1/4**  
**0.181 mi.**  
**955 ft.**

**SAIS SUPER SHELL 6**  
**400 PENINSULA**  
**SAN MATEO, CA 94401**  
  
**Site 2 of 3 in cluster L**

**HIST UST**    **U001596009**  
**N/A**

**Relative:**  
**Lower**

HIST UST:  
File Number: 0002C2EC  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C2EC.pdf>  
Region: STATE  
Facility ID: 00000060248  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: 4155794991  
Owner Name: SHELL OIL COMPANY  
Owner Address: P.O. BOX 4848  
Owner City,St,Zip: ANAHEIM, CA 92803  
Total Tanks: 0003

**Actual:**  
**31 ft.**

Tank Num: 001  
Container Num: 1  
Year Installed: 1971  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: 1/4  
Leak Detection: Stock Inventor, 10

Tank Num: 002  
Container Num: 2  
Year Installed: 1971  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: 1/4  
Leak Detection: Stock Inventor, 10

Tank Num: 003  
Container Num: 3  
Year Installed: 1971  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: 1/4  
Leak Detection: Stock Inventor, 10

Click here for Geo Tracker PDF:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

L99  
East  
1/8-1/4  
0.181 mi.  
955 ft.

**SHELL SERVICE STATION**  
**400 PENINSULA**  
**SAN MATEO, CA 94401**  
**Site 3 of 3 in cluster L**

**RCRA-SQG 1005904272**  
**LUST CAR000118778**  
**FINDS**  
**ECHO**  
**San Mateo Co. BI**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 06/04/2002

Facility name: SHELL SERVICE STATION

Facility address: 400 PENINSULA

S A P 136035

SAN MATEO, CA 94401

EPA ID: CAR000118778

Mailing address: P O BOX 2648

HOUSTON, CA 772522648

Contact: SONDRA BIENVENU

Contact address: P O BOX 2648

HOUSTON, CA 772522648

Contact country: US

Contact telephone: (713) 241-5036

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: EQUILON ENT LLC DBA S O P US

Owner/operator address: P O BOX 2648

HOUSTON, CA 77252

Owner/operator country: Not reported

Owner/operator telephone: (713) 241-5036

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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

. Waste code: D001  
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

**LUST:**

Region: STATE  
Global Id: T0608196925  
Latitude: 37.578315261  
Longitude: -122.337427205  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/01/2014  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 110151  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Can be extracted from most recent report in Geotracker or at San Mateo County offices if submitted prior to 2005, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report.

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0608196925  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

**Status History:**

Global Id: T0608196925  
Status: Open - Case Begin Date  
Status Date: 12/03/2002

Global Id: T0608196925  
Status: Open - Site Assessment  
Status Date: 12/03/2002

Global Id: T0608196925  
Status: Open - Site Assessment  
Status Date: 04/06/2004

Global Id: T0608196925  
Status: Open - Eligible for Closure  
Status Date: 12/28/2012

Global Id: T0608196925  
Status: Completed - Case Closed  
Status Date: 07/01/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Regulatory Activities:

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 09/27/2013  
Action: Notification - Preclosure - #20130927

Global Id: T0608196925  
Action Type: Other  
Date: 12/03/2002  
Action: Leak Discovery

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2010  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2011  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2012  
Action: Monitoring Report - Quarterly

Global Id: T0608196925

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Action Type:	ENFORCEMENT
Date:	08/29/2013
Action:	Staff Letter - #20130829
Global Id:	T0608196925
Action Type:	ENFORCEMENT
Date:	10/31/2013
Action:	13267 Monitoring Program - #20131031
Global Id:	T0608196925
Action Type:	ENFORCEMENT
Date:	11/20/2013
Action:	Staff Letter - #20131120
Global Id:	T0608196925
Action Type:	ENFORCEMENT
Date:	01/22/2014
Action:	Staff Letter - #20140122
Global Id:	T0608196925
Action Type:	Other
Date:	12/19/2002
Action:	Leak Stopped
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	09/07/2012
Action:	Site Assessment Report
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/15/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	05/15/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	ENFORCEMENT
Date:	07/06/2009
Action:	Staff Letter - #20090706
Global Id:	T0608196925
Action Type:	ENFORCEMENT
Date:	06/24/2014
Action:	Notification - Public Notice of Case Closure - #20140624
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	11/15/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	03/04/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Action: Site Assessment Report - Regulator Responded

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 03/20/2011  
Action: Site Assessment Report - Regulator Responded

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/01/2011  
Action: Site Assessment Report - Regulator Responded

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 03/10/2012  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 12/02/2013  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 10/23/2009  
Action: Staff Letter - #20091023

Global Id: T0608196925  
Action Type: Other  
Date: 12/03/2002  
Action: Leak Reported

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 01/31/2014  
Action: Well Destruction Report - Regulator Responded

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 10/31/2012  
Action: Staff Letter - #20121031

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2003  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Global Id:	T0608196925
Action Type:	RESPONSE
Date:	03/19/2004
Action:	Other Report / Document
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/06/2004
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/26/2004
Action:	Sensitive Receptor Survey Report
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	02/16/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	05/17/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	11/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	02/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	05/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE
Date:	08/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0608196925
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Date: 11/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2006  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: REMEDIATION  
Date: 04/06/2006  
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 04/09/2004  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 09/29/2010  
Action: Staff Letter - #20100929

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 07/27/2011  
Action: Staff Letter - #20110727

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 05/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 08/15/2007  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 11/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: RESPONSE  
Date: 02/15/2008  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 12/23/2002  
Action: Notice of Responsibility - #1

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 04/06/2004  
Action: Staff Letter - #20040406

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 12/24/2003  
Action: Staff Letter - #20031224

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 11/08/2011  
Action: Staff Letter - #20111108

Global Id: T0608196925  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Date: 02/15/2009  
Action: Monitoring Report - Quarterly

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 03/28/2003  
Action: Staff Letter - #20030328

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 10/28/2003  
Action: Staff Letter - #20031028

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 05/27/2004  
Action: Staff Letter - #20040527

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 06/25/2013  
Action: Notification - Preclosure - #20130625

Global Id: T0608196925  
Action Type: ENFORCEMENT  
Date: 07/05/2012  
Action: Staff Letter - #20120705

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 110151  
Facility Status: 9- Case Closed  
Global ID: T0608196925  
APN Number: 032131680  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**FINDS:**

Registry ID: 110012544504

**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.

Registry ID: 110055779457



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Environmental Interest/Information System  
STATE MASTER

**ECHO:**

Envid: 1005904272  
Registry ID: 110012544504  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110012544504](http://echo.epa.gov/detailed_facility_report?fid=110012544504)

**San Mateo Co. BI:**

Region: SAN MATEO  
Facility ID: FA0016933  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0025161  
Description: GENERATES <27 GAL/YEAR  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0016933  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0003436  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0016933  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0022131  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0046138  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0064293  
Description: GENERATES <27 GAL/YEAR  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0046138  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0064292  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0046138  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0064294  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0056158  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0077446

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

HAZNET:

envid: 1005904272  
Year: 2010  
GEPaid: CAR000118778  
Contact: JEANNE TRAYLOR  
Telephone: 7132416992  
Mailing Name: Not reported  
Mailing Address: PO BOX 3127  
Mailing City,St,Zip: HOUSTON, TX 772530000  
Gen County: Not reported  
TSD EPA ID: UTD981552177  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.015  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1005904272  
Year: 2009  
GEPaid: CAR000118778  
Contact: R HULL/ENV. REPORTING ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DR 300G03  
Mailing City,St,Zip: Houston, TX 770670000  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)  
Tons: 0.02  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1005904272  
Year: 2009  
GEPaid: CAR000118778  
Contact: R HULL/ENV. REPORTING ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DR 300G03  
Mailing City,St,Zip: Houston, TX 770670000  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 0.10425  
Cat Decode: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1005904272**

Method Decode: Not reported  
 Facility County: San Mateo

envid: 1005904272  
 Year: 2008  
 GEPAID: CAR000118778  
 Contact: R HULL/ENV. REPORTING ANALYST  
 Telephone: 2818742224  
 Mailing Name: Not reported  
 Mailing Address: 12700 NORTHBOROUGH DR 300G03  
 Mailing City,St,Zip: Houston, TX 770670000  
 Gen County: Not reported  
 TSD EPA ID: CAD008830290  
 TSD County: Not reported  
 Waste Category: Other organic solids  
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.01  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: San Mateo

envid: 1005904272  
 Year: 2008  
 GEPAID: CAR000118778  
 Contact: R HULL/ENV. REPORTING ANALYST  
 Telephone: 2818742224  
 Mailing Name: Not reported  
 Mailing Address: 12700 NORTHBOROUGH DR 300G03  
 Mailing City,St,Zip: Houston, TX 770670000  
 Gen County: Not reported  
 TSD EPA ID: CAD008302903  
 TSD County: Not reported  
 Waste Category: Other organic solids  
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.04  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access 13 additional CA\_HAZNET: record(s) in the EDR Site Report.

**J100**  
**West**  
**1/8-1/4**  
**0.184 mi.**  
**969 ft.**

**TUCKER TRANSMISSIONS**  
**215 HATCH**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI S113755456**  
**N/A**

**Site 7 of 9 in cluster J**

**Relative:**  
**Higher**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0009063  
 Prog Element Code: GENERATES <27 GAL/YEAR  
 Record Id: PR0011911  
 Description: GENERATES <27 GAL/YEAR  
 Facility Status: INACTIVE

**Actual:**  
**35 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TUCKER TRANSMISSIONS (Continued)**

**S113755456**

Region: SAN MATEO  
Facility ID: FA0009063  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0029207  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

**J101**  
**West**  
**1/8-1/4**  
**0.184 mi.**  
**971 ft.**

**GERMAN CAR CARE**  
**251 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**

**S113756147**  
**N/A**

**Site 8 of 9 in cluster J**

**Relative:**  
**Higher**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0015787  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0011961  
Description: GENERATES <27 GAL/YEAR  
Facility Status: ACTIVE

**Actual:**  
**34 ft.**

Region: SAN MATEO  
Facility ID: FA0015787  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0028871  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

**J102**  
**West**  
**1/8-1/4**  
**0.184 mi.**  
**971 ft.**

**G&C AUTO BODY**  
**251 CALIFORNIA**  
**BURLINGAME, CA 94010**

**San Mateo Co. BI**

**S113756140**  
**N/A**

**Site 9 of 9 in cluster J**

**Relative:**  
**Higher**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0015679  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0011960  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:**  
**34 ft.**

Region: SAN MATEO  
Facility ID: FA0015679  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0026838  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**1103**  
**ESE**  
**1/8-1/4**  
**0.184 mi.**  
**971 ft.**

**K&B PRODUCTS**  
**863 WOODSIDE**  
**SAN MATEO, CA 94401**  
  
**Site 2 of 2 in cluster I**

**San Mateo Co. BI**    **S106981152**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0010886  
Prog Element Code: STORES HAZ MAT <3,499GAL,27,999LB,13,999FT3  
Record Id: PR0003443  
Description: STORES HAZ MAT <3,499GAL,27,999LB,13,999CF  
Facility Status: INACTIVE

**Actual:**  
**33 ft.**

**104**  
**WSW**  
**1/8-1/4**  
**0.205 mi.**  
**1083 ft.**

**JD GIUSTI TRANSPORTATION**  
**125 LORTON AVE #2**  
**BURLINGAME, CA 94010**

**RCRA NonGen / NLR**    **1000235583**  
**FINDS**    **CAD982319444**  
**ECHO**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 02/26/1988  
Facility name: JD GIUSTI TRANSPORTATION  
Facility address: 125 LORTON AVE #2  
BURLINGAME, CA 94010  
  
EPA ID: CAD982319444  
Mailing address: LORTON AVE #SECOND  
BURLINGAME, CA 94010  
  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 125 LORTON AVE #SECOND  
BURLINGAME, CA 94010  
  
Contact country: US  
Contact telephone: (415) 579-0545  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**38 ft.**

**Owner/Operator Summary:**

Owner/operator name: JOHN DAVID GIUSTI  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**JD GIUSTI TRANSPORTATION (Continued)**

**1000235583**

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110002792960

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.

ECHO:

Envid: 1000235583  
 Registry ID: 110002792960  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002792960](http://echo.epa.gov/detailed_facility_report?fid=110002792960)

**K105**  
**SE**  
**1/8-1/4**  
**0.208 mi.**  
**1100 ft.**

**SHEN LINCOLN MERCURY**  
**888 N SAN MATEO AVE**  
**SAN MATEO, CA 94401**  
**Site 3 of 5 in cluster K**

**RCRA-SQG** **1000597461**  
**LUST** **CAD983614744**  
**FINDS**  
**ECHO**  
**HAZNET**

**Relative:**  
**Higher**

RCRA-SQG:  
 Date form received by agency: 06/30/1992  
 Facility name: SHEN LINCOLN MERCURY  
 Facility address: 888 N SAN MATEO AVE  
 SAN MATEO, CA 94401  
 EPA ID: CAD983614744  
 Mailing address: N SAN MATEO AVE  
 SAN MATEO, CA 94401  
 Contact: PAT OBRIEN  
 Contact address: 888 N SAN MATEO AVE  
 SAN MATEO, CA 94401  
 Contact country: US  
 Contact telephone: (415) 342-8601  
 Contact email: Not reported

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**1000597461**

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: MICHAEL SHEN  
Owner/operator address: 888 N SAN MATEO AVE  
SAN MATEO, CA 94401  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 342-8600  
Legal status: County  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
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

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 119177  
Facility Status: 9- Case Closed  
Global ID: T10000003682  
APN Number: 032121210  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**FINDS:**

Registry ID: 110002865935

**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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**1000597461**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**ECHO:**

Envid: 1000597461  
Registry ID: 110002865935  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002865935](http://echo.epa.gov/detailed_facility_report?fid=110002865935)

**HAZNET:**

envid: 1000597461  
Year: 1999  
GEPaid: CAD983614744  
Contact: MICHAEL SHEN  
Telephone: 4153428600  
Mailing Name: Not reported  
Mailing Address: 888 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944012261  
Gen County: Not reported  
TSD EPA ID: CAD093459485  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Not reported  
Tons: .2668  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000597461  
Year: 1999  
GEPaid: CAD983614744  
Contact: MICHAEL SHEN  
Telephone: 4153428600  
Mailing Name: Not reported  
Mailing Address: 888 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944012261  
Gen County: Not reported  
TSD EPA ID: CAD093459485  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Treatment, Tank  
Tons: 2.7637  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000597461  
Year: 1999  
GEPaid: CAD983614744  
Contact: MICHAEL SHEN  
Telephone: 4153428600  
Mailing Name: Not reported  
Mailing Address: 888 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944012261  
Gen County: Not reported  
TSD EPA ID: CA0000084517



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**1000597461**

TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Treatment, Tank  
Tons: 1.3506  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000597461  
Year: 1999  
GEPAID: CAD983614744  
Contact: MICHAEL SHEN  
Telephone: 4153428600  
Mailing Name: Not reported  
Mailing Address: 888 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944012261  
Gen County: Not reported  
TSD EPA ID: CAL000161743  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Transfer Station  
Tons: 1.5720  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: 1000597461  
Year: 1998  
GEPAID: CAD983614744  
Contact: MICHAEL SHEN  
Telephone: 4153428600  
Mailing Name: Not reported  
Mailing Address: 888 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944012261  
Gen County: Not reported  
TSD EPA ID: CAD093459485  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Treatment, Tank  
Tons: 1.0673  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

[Click this hyperlink](#) while viewing on your computer to access  
9 additional CA\_HAZNET: record(s) in the EDR Site Report.

**K106**  
**SE**  
**1/8-1/4**  
**0.208 mi.**  
**1100 ft.**

**SHEN LINCOLN MERCURY**  
**888 SAN MATEO**  
**SAN MATEO, CA 94401**  
**Site 4 of 5 in cluster K**

**SLIC** **S106981276**  
**San Mateo Co. BI** **N/A**  
**NPDES**

**Relative:**  
**Higher**

**SLIC:**  
Region: STATE  
**Facility Status:** **Completed - Case Closed**  
Status Date: 10/07/2014  
Global Id: T10000003682

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**S106981276**

Lead Agency: SAN MATEO COUNTY LOP  
Lead Agency Case Number: 119177  
Latitude: 37.57697  
Longitude: -122.338327  
Case Type: Cleanup Program Site  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
File Location: Not reported  
Potential Media Affected: Soil  
Potential Contaminants of Concern: Tetrachloroethylene (PCE)  
Site History: Cleanup planned for PCE area.

[Click here to access the California GeoTracker records for this facility:](#)

**San Mateo Co. BI:**

Region: SAN MATEO  
Facility ID: FA0012852  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0010796  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0012852  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0003468  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

**NPDES:**

Npdes Number: CAS000002  
Facility Status: Terminated  
Agency Id: 0  
Region: 2  
Regulatory Measure Id: 427255  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 2 41C363684  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 05/21/2012  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: 05/19/2014  
Discharge Name: BIT Holdings Sixty Nine Inc  
Discharge Address: 1601 K Street NW  
Discharge City: Washington  
Discharge State: District of Columbia  
Discharge Zip: 20006  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**S106981276**

FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	2
Regulatory Measure Id:	427255
Order No:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**S106981276**

Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	2 41C363684
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	5/19/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/18/2012
PROCESSED DATE:	5/21/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	7/2/2014
PLACE SIZE:	3.08
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Steve Bosko
FACILITY CONTACT TITLE:	Construction Superintendent
FACILITY CONTACT PHONE:	415-559-6344
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	sbosko@srgnc.com
OPERATOR NAME:	BIT Holdings Sixty Nine Inc
OPERATOR ADDRESS:	1601 K Street NW
OPERATOR CITY:	Washington
OPERATOR STATE:	District of Columbia
OPERATOR ZIP:	20006
OPERATOR CONTACT NAME:	William Mihm
OPERATOR CONTACT TITLE:	Senior Vice President
OPERATOR CONTACT PHONE:	202-496-4750
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	william.mihm@pnc.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Devcon Regis Contractors Bay Area LP
DEVELOPER ADDRESS:	901 Mariners Island Blvd
DEVELOPER CITY:	San Mateo
DEVELOPER STATE:	California
DEVELOPER ZIP:	94404
DEVELOPER CONTACT NAME:	Ken Dean
DEVELOPER CONTACT TITLE:	Construction Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERCIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	Y

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SHEN LINCOLN MERCURY (Continued)**

**S106981276**

CONSTYPE TRANSPORT IND: N  
 CONSTYPE UTILITY DESCRIPTION: Not reported  
 CONSTYPE UTILITY IND: N  
 CONSTYPE WATER SEWER IND: N  
 DIR DISCHARGE USWATER IND: N  
 RECEIVING WATER NAME: Not reported  
 CERTIFIER NAME: William Mihm  
 CERTIFIER TITLE: Senior Vice President  
 CERTIFICATION DATE: 18-MAY-12  
 PRIMARY SIC: Not reported  
 SECONDARY SIC: Not reported  
 TERTIARY SIC: Not reported

**K107  
 SE  
 1/8-1/4  
 0.209 mi.  
 1106 ft.**

**PK AUTOMOTIVE  
 839 SAN MATEO  
 SAN MATEO, CA 94401**  
 Site 5 of 5 in cluster K

**San Mateo Co. BI S106798193  
 N/A**

**Relative:  
 Higher**

San Mateo Co. BI:

Region: SAN MATEO  
 Facility ID: FA0004412  
 Prog Element Code: UNDERGROUND TANK - GENERAL  
 Record Id: PR0071762  
 Description: UNDERGROUND TANK - GENERAL  
 Facility Status: INACTIVE

**Actual:  
 34 ft.**

Region: SAN MATEO  
 Facility ID: FA0004412  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0010628  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: ACTIVE

Region: SAN MATEO  
 Facility ID: FA0004412  
 Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
 Record Id: PR0003325  
 Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
 Facility Status: ACTIVE

**M108  
 WSW  
 1/8-1/4  
 0.215 mi.  
 1136 ft.**

**KING YEE PROPERTY  
 1200 HOWARD  
 BURLINGAME, CA 94010**  
 Site 1 of 4 in cluster M

**LUST S102432235  
 HIST CORTESE N/A**

**Relative:  
 Higher**

LUST:

Region: STATE  
 Global Id: T0608100813  
 Latitude: 37.577876  
 Longitude: -122.344407  
 Case Type: LUST Cleanup Site  
 Status: Open - Remediation  
 Status Date: 03/03/1994  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

**Actual:  
 36 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

Case Worker: MEJ  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0871  
LOC Case Number: Not reported  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Excerpts extracted from RRM's March 19, 2010, second semi-annual 2009 groundwater monitoring report. San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. Beginning with the fourth quarter 2001, the activities for the 1200 Howard Avenue site and the 1234 Howard Avenue site are combined into one section, which include the twocoextraction/air sparging systems. The activities completed from January 2002 through 2008 are summarized below. 1. Attended a site meeting on January 16, 2002; representatives of the SMCHSA were present. During the meeting, water levels were gauged and an inspection was made in the basement of the restaurant at 1205 Howard Avenue in response to complaints of odors. Pursuant to the resolves of the meeting, the SESVE system serving the 1205 Howard Avenue area (the Shaffer treatment compound) was deactivated due to high water table conditions and concerns regarding migrant vapors. 2. Initiated an ozone sparging pilot test at 1234 Howard Avenue on February 5, 2002. RRM conducted biweekly grab groundwater sampling of wells MW1, MW2, MW3, EW3, EW4, EW5, EW6, EW7, EW8, EW9, EW10, PSB4, and PSB5 on November 29, 2001, December 26, 2001, January 10, 2002, and January 28, 2002. 3. Initiated an ozone sparging pilot test followup groundwater monitoring event on February 15, 2002, ten days after shut down of the combined ozonesparging enhanced SVE system on February 5, 2002 using the same wells incorporated into the biweekly groundwater sampling program. 6. Performed soil vapor sampling at two locations to the rear of the restaurant property at 1205 Howard Avenue on February 1, 2002 to evaluate the potential inhalation risk to residents of the apartment complex at 137 Lorton Avenue. 11. Initiated remediation system operations at 1200 Howard Avenue on July 10, 2002 and at 1234 Howard Avenue on July 9, 2002. Began ozone sparging at 1234 Howard Avenue on July 22, 2002. 12. Between July 22, 2002 and August 30, 2002, ozone was sparged into wells EW4 through EW8 for 30 minutes every hour. From August 30, 2002 through December 30, 2002, ozone was sparged into wells EW4, EW7, EW8, and SP1 through SP4 for 30 minutes every hour. Conducted approximately six months of routine remediation system operation and maintenance at the 1200 Howard Avenue and 1234 Howard Avenue sites through mid January 2003 and December 30, 2002, respectively. Tasks included: system performance optimization; measurement of operating parameters; measurement of extracted soil vapor concentrations before and after treatment using a field instrument equipped with an FID; collection of influent and effluent soil vapor samples (contained in Tedlar bags), collection of groundwater treatment system samples, and completion of field reports. Soil vapor and groundwater samples were analyzed for TPHg and BTEX by Entech Analytical Labs, Inc. 15. Installed groundwater monitoring wells MW9 and MW10 on April 14, 2003. Installed groundwater monitoring well MW11 on August 15, 2003. Installed slabvapor recovery systems at 1205 Howard Avenue, and at 137 Lorton Avenue during the third and fourth quarters 2003 with the aid of Max Llanos Construction, Inc. of Poway, California. Also during this

**KING YEE PROPERTY (Continued)**

**S102432235**

period, upgraded the basement ventilation system at 1234 Howard Avenue in lieu of installing a slab venting system. 27. Deactivated the remediation system at 1200 Howard Avenue (Shaffer treatment compound) on January 21, 2004. 55. During October 2005 trenched, plumbed and connected seven (7) new sparge wells (SP15 through SP21) and four (4) new vapor extraction wells (EW23 through EW26) installed south of Howard Avenue to the existing SVE treatment system. 56. In October 2005 the original vacuum pump and motor associated with the Thermtech Thermal Oxidizer unit was changed out. Procedures included removal of the old blower and motor, fabrication of a new motor mount, retrofitting the intake and exhaust piping manifold, installation of a highvolume air filter, rewiring the power supply, replacing the knockout tank, and finally mounting the new blower and motor assembly that consisted of a Rietschle Corporation Zephyr VLR 400 highefficiency 400scfm vacuum pump. 57. The SVE and air sparging unit processes were restarted on November 2, 2005 and operated near continuously through December 2005. During this period operations were cycled through three sections of the well field on the south side of Howard Avenue at approximately twoweek intervals to maximize mass removal. 62. Drilled and constructed air sparge (SP23 through SP24) and soil vapor extraction (EW27 through EW29) wells inside the building located at 1200 Howard Avenue during February 2006. Also performed underground work to plumb new wells to the existing AS and SVE subsurface piping network. 63. Developed, sampled and surveyed for elevation wells EW27 and EW28 on February 8 and 9, 2006. 64. The slab venting system installed at 1234 Howard Avenue underwent initial startup operations on February 1 and 2, 2006. 65. Continually operated the slab venting systems located at 1200, 1201, 1205 and 1209 Howard Avenue and 137 Lorton Avenue from January through March 2006. Collected compliance airbag samples of the effluent at 1200, 1201, and 1209 Howard Avenue on a monthly basis. 81. In January 2007, RRM installed the remaining air sparge well proposed in RRM's May 31, 2005 Corrective Action Implementation Workplan as well as one additional vapor extraction well in the vicinity of existing sparge well SP18. The additional sparge well was installed on the south side of Howard Avenue in front of the alleyway separating the buildings at 1205 and 1209 Howard. The new well locations were plumbed to the existing SVE conveyance piping system. 82. On March 30, 2007, RRM attended a meeting called by the City of Burlingame Building Department at the apartment complex located at 125/129 Lorton Avenue. The City called this meeting in response to complaints they had received from the property manager regarding gasoline odors in the garage and an apartment overlying the garage as well as foul tasting tap water. The meeting was attended by a City of Burlingame representative, the property manager, several of the building owners, and the Court Consultant/Project Coordinator, Brian Kelleher. During the course of the meeting, RRM inspected the garage and a crawl space under the west side of the building in the presence of all parties, and took field measurements of total volatile hydrocarbons using a photoionization detector (PID). There were no detectable hydrocarbon odors or PID readings. RRM observed that there was a large hole in the ceiling of the garage surrounding a sewer drain line that would allow any exhaust fumes in the garage to enter the apartment located above the garage. RRM also collected a sample of the tap water and submitted it for certified analyses. RRM is preparing a separate report covering the site visit and test findings to include conclusions and recommendations. The property owners resolved to make

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

immediate repairs to the ceiling of the garage. During the start of the meeting, the property manager had indicated that the fumes entering the apartment above the garage appeared to be entering from the area of the sewer drain lines. During the second and third quarters 2007, the SVE system removed and combusted approximately 3,578 pounds of gasoline vapors bringing the total mass removed to date to approximately 23,083 pounds. Through the end of September 2007, the average gasoline vapor removal rate was approximately 38.5 pounds per day. The system operated a total of 93 days during the second and third quarters 2007. 98. During the second, third, and fourth quarter 2008, RRM continued routine operation of the slab venting systems located at 1200, 1201, 1205, 1209, and 1234 Howard Avenue and 137 Lorton Avenue. RRM collected quarterly compliance airbag samples of the effluent from these systems during the months of June 2008, September 2008, and December 2008. In addition to compliance sampling, RRM performed monthly site visits to measure and record amp usage, discharge airflow, and hourmeter readings.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100813  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100813  
Contact Type: Regional Board Caseworker  
Contact Name: MARK JOHNSON  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: mjohnson@waterboards.ca.gov  
Phone Number: Not reported

Status History:

Global Id: T0608100813  
Status: Open - Case Begin Date  
Status Date: 03/03/1994

Global Id: T0608100813  
Status: Open - Remediation  
Status Date: 03/03/1994

Regulatory Activities:

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 03/26/2009  
Action: Staff Letter - #20090326

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 10/14/2009



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

Action: Staff Letter - #20091014

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 07/07/2009  
Action: Staff Letter - #20090707

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 10/20/2009  
Action: Letter - Notice - #20091020

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 07/30/2010  
Action: Other Workplan - Regulator Responded

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 02/15/2011  
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608100813  
Action Type: Other  
Date: 03/03/1994  
Action: Leak Reported

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 04/29/2010  
Action: Staff Letter - #20100429

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 09/21/2011  
Action: Referral to Regional Board - #20110921

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 08/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 02/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 05/15/2005  
Action: Monitoring Report - Quarterly

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 02/15/2006  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

Global Id:	T0608100813
Action Type:	RESPONSE
Date:	11/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	02/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	04/14/2004
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	06/02/2005
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	06/21/2005
Action:	Other Workplan
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	07/19/2005
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	10/18/2005
Action:	CAP/RAP - Other Report
Global Id:	T0608100813
Action Type:	REMEDIATION
Date:	10/14/1996
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0608100813
Action Type:	REMEDIATION
Date:	10/03/2000
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0608100813
Action Type:	ENFORCEMENT
Date:	03/09/2011
Action:	Staff Letter - #20110309
Global Id:	T0608100813
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0608100813
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

Date: 02/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 09/18/2009  
Action: Other Workplan

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 08/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 01/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 07/15/2008  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 08/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 02/12/2004  
Action: Staff Letter - #20040212

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 04/12/2005  
Action: Staff Letter - #20050412

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 04/01/2011  
Action: Staff Letter - #20110401

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 06/08/2011  
Action: Staff Letter - #20110608

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 02/15/2010  
Action: Other Report / Document

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 04/07/2005  
Action: Staff Letter - #20050407

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 05/24/2007  
Action: Staff Letter - #20070524

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 06/22/2005  
Action: Staff Letter - #20050622

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 05/24/2005  
Action: Staff Letter - #20050524

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 06/26/2001  
Action: Staff Letter - #20010626

Global Id: T0608100813  
Action Type: ENFORCEMENT  
Date: 03/15/1994  
Action: Notice of Responsibility - #1

Global Id: T0608100813  
Action Type: Other  
Date: 03/03/1994  
Action: Leak Discovery

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100813  
Action Type: RESPONSE  
Date: 10/15/2011  
Action: Site Assessment Report

**LUST REG 2:**

Region: 2  
Facility Id: Not reported  
Facility Status: Remedial action (cleanup) Underway  
Case Number: 660070  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: 1/1/1965  
Date Post Remedial Action Monitoring Began: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KING YEE PROPERTY (Continued)**

**S102432235**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 41  
 Reg By: LTNKA  
 Reg Id: 41-0871

**N109**      **REMMERS D SON**  
**SE**        **833 SAN MATEO**  
**1/8-1/4**    **SAN MATEO, CA 94401**  
**0.228 mi.**  
**1205 ft.**    **Site 1 of 12 in cluster N**

**San Mateo Co. BI**    **S102270534**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
 Region: SAN MATEO  
 Facility ID: FA0017028  
 Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
 Record Id: PR0003429  
 Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
 Facility Status: INACTIVE

**Actual:**  
**34 ft.**

Region: SAN MATEO  
 Facility ID: FA0017028  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0010665  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: ACTIVE

**M110**      **HARRIS PROPERTY**  
**WSW**       **1234 HOWARD**  
**1/8-1/4**    **BURLINGAME, CA 94010**  
**0.231 mi.**  
**1222 ft.**    **Site 2 of 4 in cluster M**

**LUST**      **S100234001**  
**HIST CORTESE**    **N/A**

**Relative:**  
**Higher**

LUST:  
 Region: STATE  
 Global Id: T0608100253  
 Latitude: 37.577708  
 Longitude: -122.344647  
 Case Type: LUST Cleanup Site  
 Status: Open - Remediation  
 Status Date: 08/01/1989  
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
 Case Worker: MEJ  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: 41-0265  
 LOC Case Number: Not reported  
 File Location: Local Agency  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Gasoline  
 Site History: Extracted from RRM's March 17, 2010, Second Semi-annual 2009 remediation Performance and Groundwater Monitoring Report. San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. Evidence of subsurface fuel contamination at the 1234 Howard Avenue site was discovered in May 1989 during the removal of a 1,000gallon gasoline UST. Evidence of subsurface contamination

**Actual:**  
**36 ft.**

MAP FINDINGS

**HARRIS PROPERTY (Continued)**

**S100234001**

at the 1200 Howard Avenue site was discovered in June 1994 during subsurface investigations associated with the 1234 Howard Avenue site. Site investigations conducted between 1994 and 1998 revealed a commingled plume of gasoline-impacted groundwater projecting southeast from the two properties. The plume crosses Howard Avenue and impacts a portion of the city block bounded by Howard, Lorton, and Park Avenues. Impacted properties include three commercial properties on Howard Avenue (1201, 1205, and 1209 Howard Avenue); a portion of the Colewood Apartment complex at 137 Lorton Avenue; and a portion of the City of Burlingame public parking lot at 130 Park Avenue. As of 1999, dissolved total petroleum hydrocarbon concentrations as gasoline (TPHg) within the center of the plume exceeded 100,000 parts per billion (ppb) and separate-phase hydrocarbons (SPH) on the water table surface at some locations. The groundwater table ranges seasonally between approximately 10 feet and 20 feet bgs; the soil column within this zone is also impacted. To provide a practical approach to remediate the area impacted with petroleum hydrocarbons, RRM divided the commingled plume into three sections for the purpose of addressing each section in phases as follows: Phase 1: Up to January 1997, the plume section under remediation was the portion beneath the former police station fuel UST and pump island (1234 Howard Avenue). This included the installation of an extraction well network and a treatment compound located to the northwest (rear) of the 1234 Howard Avenue property that was started up in June 1996 (Crisafi treatment compound). Phase 2: In 1997, RRM completed installation of an extraction well network for the second phase of work, which encompasses the area of the former fuel UST at 1200 Howard Avenue. The zone between 1234 Howard Avenue, and 1200 Howard Avenue; the remediation system was reactivated on July 15, 1997. Phase 3: In 1999-2000, RRM completed installation of an extraction well network for the third phase of work, which encompasses the area on the southeastern side of Howard Avenue (across the street from 1200 and 1234 Howard Avenues). At that time, RRM constructed a second treatment compound in the public parking lot located on the south side of Howard Avenue between Park Road and Lorton Avenue (Shaffer treatment compound). The second remediation system was activated on October 3, 2000. Collectively, the remediation well network includes 32 coextraction wells and 33 sparging wells. The treatment system compounds include the following unit processes: (1) the coextraction systems utilize regenerative blowers for the purpose of creating negative pressure gradients on the unsaturated and saturated zones beneath the surface via the coextraction wells; (2) the extracted vapors are abated through the use of catalytic incinerators prior to atmospheric discharge; (3) the extracted groundwater is treated with granular activated carbon prior to discharge to the sanitary sewer; (4) the air sparging systems utilize air compressors to inject air beneath the water table for the purpose of stripping volatiles and providing oxygen to groundwater in order to promote aerobic biodegradation of dissolved petroleum hydrocarbons; and, (3) at 1234 Howard Avenue, ozone sparging was initiated in November 2001. This process utilizes the existing sparging well network to deliver ozone to the groundwater for the purpose of chemically oxidizing dissolved petroleum hydrocarbons. As established in 1994-1997, the objectives of the interim site remediation program were: 1. As a priority, remove any residual SPH layers and mitigate all potential human health impacts associated with vapor-phase migration of volatile gasoline constituents. 2. Meet department of Health Services maximum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARRIS PROPERTY (Continued)**

**S100234001**

contaminant levels (MCLs) for benzene, toluene, ethylbenzene, and xylenes (collectively BTEX) in groundwater. 3. Meet the tentative TPHg cleanup goal for soil of 100 parts per million (ppm). 4. Cleanup petroleum impacted soils and groundwater to the extent practical, using commercially proven control technologies that best represent the current state of the art for cost effective LUFT site remediation. If such technologies prove incapable of meeting MCLs for groundwater, then reduce concentrations to an asymptotic level and/or riskbased corrective action levels. 5. Implement the program in a manner that avoids or minimizes to the greatest extent possible, any disruptions to the normal course of business on all affected properties. This includes, but is not limited to, compliance with the noise control ordinance of The City of Burlingame and careful consideration in scheduling constructionrelated work activities such as the installation of wells, piping, drainage, electrical service, and water or sewer service. Due to the pronounced seasonal fluctuations of the shallow groundwater table, RRM has limited spargingenhanced soil vapor extraction (SESVE) system operations to approximately sixmonth intervals, operating from approximately July through January. During the winter, spring, and early summer, the high water table conditions close the screened intervals of the extraction wells. The CAP approved by the County on June 3, 2005, calls for meeting the San Francisco Bay Regional Water Quality Control Boards (RWQCB) environmental screening levels (ESLs) for TPHg and benzene by upgrading and expanding SESVE system. The upgrades include the following work all of which has been completed as of the third quarter 2007 except for replacement of sparging well SP3A and installation of ozone sparging unit processes: 1. Remove the treatment compound from 1234 Howard Avenue and replace it with a satellite ozonesparging system. The satellite ozonesparging system will serve the existing/expanded sparging well network on the north side of Howard Avenue and will be enclosed in a custom designed enclosure with a leakdetection/autoshtutoff system. The system will also be designed/installed to shut down under lowvacuum conditions in the vapor extraction conveyance lines. RRM is currently recommending the installation of a satellite airsparging system (25 HP rotary screw air compressor) in lieu of the originally proposed satellite ozone sparging system. 2. Connect the existing/expanded extractionwell network on the north side of Howard Avenue to the extractionwell network on the south side of Howard Avenue by running subsurface conveyance piping across Howard Avenue. 3. Upgrade the remediation equipment in the existing treatment compound located in the City parking lot on the south side of Howard Avenue to include either reconfiguring the exiting vacuum pump to operate at higher vacuum or replacing it with a highvacuum liquidring pump. RRM originally proposed conducting some quick performance testing to help decide between the two options, but ultimately recommended replacing the existing pump assembly with a 400 standard cubic feet per minute (scfm) capacity clawtype vacuum pump capable of operating efficiently under both high and low vacuum conditions. 4. Install six additional extraction wells to provide complete coverage of the heavily impacted area of soil and groundwater (50,000 ppb TPHg contour) including three new wells to the south of Howard Avenue and three new wells to the north of Howard to include at least one interior well at 1200 Howard subject to the approval of the owner. In addition, existing monitoring well MW7 on the south side of Howard is to be connected into the system. Three interior vapor extraction wells were

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARRIS PROPERTY (Continued)**

**S100234001**

ultimately installed inside 1200 Howard based on the large amount of contamination encountered. 5. Install fourteen additional air/ozonesparging wells to provide complete coverage of the heavily impacted area of groundwater (50,000 ppb TPHg contour) including eight new wells to the south of Howard Avenue and six new wells to the north of Howard to include at least one interior well at 1200 Howard subject to the approval of the owner. This includes the replacement of existing sparge well SP3A located in the basement of 1234 Howard. Three interior sparge wells were ultimately installed inside 1200 Howard based on the large amount of contamination encountered. 6. Complete slabinstallation work at 1234 Howard and install additional slabventing systems for the commercial buildings at 1200 Howard, 1209 Howard, and the northern half of 1201 Howard. Slabventing system have already been installed at 1205 Howard and 127 Lorton Avenue and are working well. The slabventing systems will provide insurance that fugitive vapors will not enter buildings during the period of active remediation.

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0608100253  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100253  
Contact Type: Regional Board Caseworker  
Contact Name: MARK JOHNSON  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: mjohanson@waterboards.ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0608100253  
Status: Open - Case Begin Date  
Status Date: 08/01/1989

Global Id: T0608100253  
Status: Open - Remediation  
Status Date: 08/01/1989

**Regulatory Activities:**

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 10/15/2011  
Action: Site Assessment Report

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 03/26/2009



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARRIS PROPERTY (Continued)**

**S100234001**

Action: Staff Letter - #20090326

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 05/24/2007  
Action: Staff Letter - #20070524

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 10/14/2009  
Action: Staff Letter - #20091014

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 07/07/2009  
Action: Staff Letter - #20090707

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 10/20/2009  
Action: Letter - Notice - #20091020

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 07/30/2010  
Action: Other Workplan - Regulator Responded

Global Id: T0608100253  
Action Type: Other  
Date: 10/10/1989  
Action: Leak Reported

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 04/29/2010  
Action: Staff Letter - #20100429

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 11/15/2007  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 02/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100253  
Action Type: ENFORCEMENT  
Date: 06/08/2011  
Action: Staff Letter - #20110608

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 05/15/2008  
Action: Monitoring Report - Semi-Annually

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARRIS PROPERTY (Continued)**

**S100234001**

Global Id:	T0608100253
Action Type:	RESPONSE
Date:	02/15/2010
Action:	Other Report / Document
Global Id:	T0608100253
Action Type:	REMEDIATION
Date:	10/01/1996
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0608100253
Action Type:	REMEDIATION
Date:	10/01/1996
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0608100253
Action Type:	ENFORCEMENT
Date:	03/09/2011
Action:	Staff Letter - #20110309
Global Id:	T0608100253
Action Type:	RESPONSE
Date:	02/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100253
Action Type:	RESPONSE
Date:	09/18/2009
Action:	Other Workplan
Global Id:	T0608100253
Action Type:	RESPONSE
Date:	08/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100253
Action Type:	ENFORCEMENT
Date:	09/21/2011
Action:	Referral to Regional Board - #20110921
Global Id:	T0608100253
Action Type:	ENFORCEMENT
Date:	04/01/2011
Action:	Staff Letter - #20110401
Global Id:	T0608100253
Action Type:	RESPONSE
Date:	08/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0608100253
Action Type:	ENFORCEMENT
Date:	06/01/1990
Action:	Notice of Responsibility - #1
Global Id:	T0608100253
Action Type:	Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARRIS PROPERTY (Continued)**

**S100234001**

Date: 08/01/1989  
Action: Leak Discovery

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 02/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100253  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Semi-Annually

**LUST REG 2:**

Region: 2  
Facility Id: Not reported  
Facility Status: Remedial action (cleanup) Underway  
Case Number: 660036  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: 1/1/1965  
Date Post Remedial Action Monitoring Began: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0265

**N111  
SE  
1/8-1/4  
0.233 mi.  
1231 ft.**

**PACIFIC READY MIX INC  
850 SAN MATEO DR  
SAN MATEO, CA 94401**

**HIST UST U001596007  
N/A**

**Site 2 of 12 in cluster N**

**Relative:  
Higher**

HIST UST:  
File Number: 0002C147  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C147.pdf>  
Region: STATE  
Facility ID: 00000010292  
Facility Type: Other  
Other Type: READY MIX CONCRETE  
Contact Name: KEN GARINO  
Telephone: 4153431861  
Owner Name: PACIFIC READY MIX INC  
Owner Address: 850 SAN MATEO DR  
Owner City,St,Zip: SAN MATEO, CA 94401  
Total Tanks: 0003

**Actual:  
33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC READY MIX INC (Continued)**

**U001596007**

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

**N112**  
**SE**  
**1/8-1/4**  
**0.233 mi.**  
**1231 ft.**

**PACIFIC READY MIX**  
**850 SAN MATEO**  
**SAN MATEO, CA 94401**  
**Site 3 of 12 in cluster N**

**LUST** **S104494606**  
**HIST CORTESE** **N/A**

**Relative:**  
**Higher**

LUST REG 2:  
Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 110006  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:**  
**33 ft.**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0401

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**N113**  
**SE**  
**1/8-1/4**  
**0.233 mi.**  
**1231 ft.**

**PACIFIC READY-MIX**  
**850 NORTH SAN MATEO DRIVE**  
**SAN MATEO, CA 94401**

**ENVIROSTOR** **S101482212**  
**LUST** **N/A**

**Site 4 of 12 in cluster N**

**Relative:**  
**Higher**

ENVIROSTOR:

Facility ID: 41320028  
Status: Refer: Other Agency  
Status Date: 03/25/2002  
Site Code: Not reported  
Site Type: Evaluation  
Site Type Detailed: Evaluation  
Acres: 3.6  
NPL: NO  
Regulatory Agencies: SAN MATEO COUNTY  
Lead Agency: SAN MATEO COUNTY  
Program Manager: Not reported  
Supervisor: Denise Tsuji  
Division Branch: Cleanup Berkeley  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.57666  
Longitude: -122.3383  
APN: NONE SPECIFIED  
Past Use: MANUFACTURING - OTHER  
Potential COC: TPH-diesel TPH-gas TPH-MOTOR OIL  
Confirmed COC: TPH-diesel TPH-gas TPH-MOTOR OIL  
Potential Description: OTH, SOIL  
Alias Name: 41320028  
Alias Type: Envirostor ID Number

**Actual:**  
**33 ft.**

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 11/07/1991  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/27/1987  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 03/25/2002  
Comments: Site screening completed. Site referred to San Mateo County Health Services Department.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 08/15/1980

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC READY-MIX (Continued)**

**S101482212**

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

**LUST:**

Region: STATE  
Global Id: T0608100382  
Latitude: 37.5763937  
Longitude: -122.3377654  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 08/31/2001  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0401  
LOC Case Number: 110006  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

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

**Contact:**

Global Id: T0608100382  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100382  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T0608100382  
Status: Open - Case Begin Date  
Status Date: 04/13/1988

Global Id: T0608100382

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC READY-MIX (Continued)**

**S101482212**

Status: Completed - Case Closed  
Status Date: 08/31/2001

Regulatory Activities:

Global Id: T0608100382  
Action Type: Other  
Date: 04/13/1988  
Action: Leak Reported

Global Id: T0608100382  
Action Type: ENFORCEMENT  
Date: 12/21/1988  
Action: Notice of Responsibility - #1

Global Id: T0608100382  
Action Type: Other  
Date: 04/13/1988  
Action: Leak Discovery

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 110006  
Facility Status: 9- Case Closed  
Global ID: T0608100382  
APN Number: Not reported  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

O114  
West  
1/8-1/4  
0.234 mi.  
1238 ft.

**88 PHOTO LAB  
1109 BURLINGAME  
BURLINGAME, CA 94010**

**San Mateo Co. BI S113757419  
N/A**

**Site 1 of 3 in cluster O**

**Relative:  
Higher**

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0025962  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0037389  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:  
34 ft.**

Region: SAN MATEO  
Facility ID: FA0025962  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0037390  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: INACTIVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**N115**      **COLE EUROPEAN VOLVO**  
**SE**        **825 N SAN MATEO DR**  
**1/8-1/4**    **SAN MATEO, CA 94401**  
**0.237 mi.**  
**1250 ft.**    **Site 5 of 12 in cluster N**

**HIST UST**    **U001595987**  
                  **N/A**

**Relative:**  
**Higher**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000035493
Facility Type:	Other
Other Type:	AUTO DEALER
Contact Name:	CALVIN MOLES
Telephone:	4143485432
Owner Name:	THE COLE CAR COMPANY
Owner Address:	825 N. SAN MATEO DRIVE
Owner City,St,Zip:	SAN MATEO, CA 94401
Total Tanks:	0001
Tank Num:	001
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

**Actual:**  
**34 ft.**

**N116**      **AUTOPLUS**  
**SE**        **823 SAN MATEO**  
**1/8-1/4**    **SAN MATEO, CA 94401**  
**0.239 mi.**  
**1262 ft.**    **Site 6 of 12 in cluster N**

**San Mateo Co. BI**    **S109953987**  
                              **N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:

Region:	SAN MATEO
Facility ID:	FA0045421
Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id:	PR0059174
Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status:	INACTIVE
Region:	SAN MATEO
Facility ID:	FA0059717
Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id:	PR0082088
Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status:	ACTIVE
Region:	SAN MATEO
Facility ID:	FA0059717
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0082087
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	ACTIVE

**Actual:**  
**34 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**N117**  
**SE**  
**1/8-1/4**  
**0.242 mi.**  
**1279 ft.**

**BUD'S TIRE SERVICE**  
**836 NORTH SAN MATEO**  
**SAN MATEO, CA 94401**  
**Site 7 of 12 in cluster N**

**LUST** **S109285522**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**34 ft.**

Region: STATE  
Global Id: T0608100086  
Latitude: 37.5289962  
Longitude: -122.2881485  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 10/06/1995  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0091  
LOC Case Number: 110015  
File Location: Local Agency Warehouse  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100086  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100086  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100086  
Status: Open - Case Begin Date  
Status Date: 03/16/1987

Global Id: T0608100086  
Status: Completed - Case Closed  
Status Date: 10/06/1995

Regulatory Activities:

Global Id: T0608100086  
Action Type: RESPONSE  
Date: 08/07/1987  
Action: Other Report / Document

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUD'S TIRE SERVICE (Continued)**

**S109285522**

Global Id:	T0608100086
Action Type:	Other
Date:	03/16/1987
Action:	Leak Reported
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	09/22/2011
Action:	Other Report / Document
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	05/15/1995
Action:	Correspondence
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	09/23/2011
Action:	Soil Vapor Intrusion Investigation Workplan
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	08/07/1987
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	03/17/1987
Action:	Other Report / Document
Global Id:	T0608100086
Action Type:	ENFORCEMENT
Date:	10/05/1995
Action:	Notice of Responsibility - #1
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	02/01/2012
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	05/15/1995
Action:	Correspondence
Global Id:	T0608100086
Action Type:	Other
Date:	08/10/1987
Action:	Leak Discovery
Global Id:	T0608100086
Action Type:	RESPONSE
Date:	05/15/1995
Action:	Correspondence

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BUD'S TIRE SERVICE (Continued)**

**S109285522**

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 110015  
Facility Status: 9- Case Closed  
Global ID: T0608100086  
APN Number: Not reported  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**N118  
SE  
1/8-1/4  
0.242 mi.  
1279 ft.**

**BUD'S TIRE SERVICE  
836 SAN MATEO  
SAN MATEO, CA 94401**

**LUST S101308758  
HIST CORTESE N/A**

**Site 8 of 12 in cluster N**

**Relative:  
Higher**

**LUST REG 2:**

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 110015  
How Discovered: Tank Closure  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:  
34 ft.**

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0091

**N119  
SE  
1/8-1/4  
0.244 mi.  
1286 ft.**

**SHEN INFINITI  
800 SAN MATEO DR N  
SAN MATEO, CA 94401**

**LUST S106567389  
N/A**

**Site 9 of 12 in cluster N**

**Relative:  
Higher**

**LUST:**

Region: STATE  
Global Id: T0609500138  
Latitude: 37.576011  
Longitude: -122.336788  
Case Type: LUST Cleanup Site  
Status: Open - Inactive  
Status Date: 01/01/2011  
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Case Worker: JGU  
Local Agency: Not reported

**Actual:  
33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN INFINITI (Continued)**

**S106567389**

RB Case Number: Not reported  
LOC Case Number: Not reported  
File Location: All Files are on GeoTracker or in the Local Agency Database  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Arsenic, Benzene, Diesel, Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0609500138  
Contact Type: Regional Board Caseworker  
Contact Name: JOLANTA UCHMAN  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: juchman@waterboards.ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0609500138  
Status: Open - Case Begin Date  
Status Date: 09/05/1990

Global Id: T0609500138  
Status: Open - Site Assessment  
Status Date: 02/18/1992

Global Id: T0609500138  
Status: Open - Inactive  
Status Date: 01/01/2011

**Regulatory Activities:**

Global Id: T0609500138  
Action Type: Other  
Date: 09/05/1990  
Action: Leak Stopped

Global Id: T0609500138  
Action Type: Other  
Date: 09/05/1990  
Action: Leak Reported

Global Id: T0609500138  
Action Type: RESPONSE  
Date: 09/23/2011  
Action: Soil and Water Investigation Workplan

Global Id: T0609500138  
Action Type: RESPONSE  
Date: 09/23/2011  
Action: CAP/RAP - Other Report

Global Id: T0609500138  
Action Type: RESPONSE  
Date: 02/01/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN INFINITI (Continued)**

**S106567389**

Action: Soil and Water Investigation Report

Global Id: T0609500138  
Action Type: ENFORCEMENT  
Date: 01/12/2012  
Action: File review

Global Id: T0609500138  
Action Type: RESPONSE  
Date: 01/25/2011  
Action: Other Report / Document

Global Id: T0609500138  
Action Type: Other  
Date: 09/05/1990  
Action: Leak Discovery

**N120  
SE  
1/8-1/4  
0.244 mi.  
1286 ft.**

**SHEN INFINITI  
800 N SAN MATEO DR  
SAN MATEO, CA 94401  
Site 10 of 12 in cluster N**

**RCRA-SQG 1000597460  
LUST CAD983614736  
FINDS  
ECHO  
San Mateo Co. BI  
ENF  
HIST CORTESE**

**Relative:  
Higher**

**Actual:  
33 ft.**

RCRA-SQG:  
Date form received by agency: 11/12/1991  
Facility name: SHEN INFINITI  
Facility address: 800 N SAN MATEO DR  
SAN MATEO, CA 94401  
EPA ID: CAD983614736  
Contact: PAT OBRIEN  
Contact address: 800 N SAN MATEO DR  
SAN MATEO, CA 94401  
Contact country: US  
Contact telephone: (415) 342-8600  
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: MICHAEL SHEN  
Owner/operator address: 888 N SAN MATEO DR  
SAN MATEO, CA 94401  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 342-8600  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN INFINITY (Continued)**

**1000597460**

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

LUST REG 2:

Region: 2  
Facility Id: 48-0147  
Facility Status: Preliminary site assessment underway  
Case Number: 48-0147  
How Discovered: Tank Closure  
Leak Cause: Structure Failure  
Leak Source: Tank  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: 2/18/1992  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

FINDS:

Registry ID: 110002865926

Environmental Interest/Information System

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

STATE MASTER

ECHO:

Envid: 1000597460  
Registry ID: 110002865926  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002865926](http://echo.epa.gov/detailed_facility_report?fid=110002865926)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHEN INFINITY (Continued)**

**1000597460**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0012849  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0010798  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0012849  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0003467  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

ENF:  
Region: 2  
Facility Id: 260990  
Agency Name: Shen Ininiti  
Place Type: Facility  
Place Subtype: Not reported  
Facility Type: All other facilities  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: Not reported  
Place Longitude: Not reported  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: Not reported  
NAICS Desc 1: Not reported  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: Not reported  
Threat To Water Quality: Not reported  
Complexity: Not reported  
Pretreatment: Not reported  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: UST  
Program Category1: TANKS  
Program Category2: TANKS  
# Of Programs: 1  
WDID: 2 48-0147  
Reg Measure Id: 168235  
Reg Measure Type: Unregulated  
Region: 2

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SHEN INFINITY (Continued)**

**1000597460**

Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237237
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/22/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 48-0147
Description:	Requirements for MTBE Info Pertaining to the Leaking Underground Storage Tank
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

**HIST CORTESE:**

Region:	CORTESE
Facility County Code:	48
Reg By:	LTNKA
Reg Id:	48-0147



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**N121**  
**SE**  
**1/8-1/4**  
**0.245 mi.**  
**1296 ft.**

**BURLINGAME SAAB**  
**825 SAN MATEO**  
**SAN MATEO, CA 94401**  
**Site 11 of 12 in cluster N**

**San Mateo Co. BI** **S113755203**  
**N/A**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0001693  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0010684  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

**Actual:**  
**35 ft.**

Region: SAN MATEO  
Facility ID: FA0001693  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3  
Record Id: PR0003395  
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
Facility Status: INACTIVE

**N122**  
**SE**  
**1/8-1/4**  
**0.245 mi.**  
**1296 ft.**

**COLE EUROPEAN VOLVO**  
**825 N SAN MATEO DR**  
**SAN MATEO, CA 94410**  
**Site 12 of 12 in cluster N**

**HIST UST** **S113025831**  
**HAZNET** **N/A**

**Relative:**  
**Higher**

HIST UST:  
File Number: 0002C37C  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C37C.pdf>

**Actual:**  
**35 ft.**

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:

HAZNET:  
envid: S113025831  
Year: 1999  
GEPaid: CAL000012539  
Contact: COLE ROBERT  
Telephone: 0000000000  
Mailing Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLE EUROPEAN VOLVO (Continued)**

**S113025831**

Mailing Address: 825 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944100000  
Gen County: Not reported  
TSD EPA ID: CAD099452708  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Recycler  
Tons: .2293  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S113025831  
Year: 1998  
GEPaid: CAL000012539  
Contact: COLE ROBERT  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 825 N SAN MATEO DR  
Mailing City,St,Zip: SAN MATEO, CA 944100000  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Recycler  
Tons: .2293  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

**M123**  
**WSW**  
**1/8-1/4**  
**0.247 mi.**  
**1306 ft.**

**UST SITE**  
**1290 HOWARD**  
**BURLINGAME, CA 94011**

**San Mateo Co. BI S113758833**  
**N/A**

**Site 3 of 4 in cluster M**

**Relative:**  
**Higher**

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0046413  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0063109  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

**Actual:**  
**37 ft.**

**P124**  
**West**  
**1/4-1/2**  
**0.252 mi.**  
**1333 ft.**

**BURLINGAME POST OFFICE**  
**220 PARK**  
**BURLINGAME, CA 94010**

**LUST S104493543**  
**N/A**

**Site 1 of 2 in cluster P**

**Relative:**  
**Higher**

LUST:  
Region: STATE  
Global Id: T0608100091  
Latitude: 37.5776778  
Longitude: -122.3461348  
Case Type: LUST Cleanup Site

**Actual:**  
**36 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME POST OFFICE (Continued)**

**S104493543**

Status: Completed - Case Closed  
Status Date: 11/28/1995  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0096  
LOC Case Number: 660040  
File Location: Local Agency Warehouse  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100091  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100091  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100091  
Status: Open - Case Begin Date  
Status Date: 04/23/1990

Global Id: T0608100091  
Status: Completed - Case Closed  
Status Date: 11/28/1995

Regulatory Activities:

Global Id: T0608100091  
Action Type: Other  
Date: 04/23/1990  
Action: Leak Reported

Global Id: T0608100091  
Action Type: ENFORCEMENT  
Date: 12/05/1992  
Action: Notice of Responsibility - #1

Global Id: T0608100091  
Action Type: Other  
Date: 04/23/1990  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME POST OFFICE (Continued)**

**S104493543**

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 660040  
Facility Status: 9- Case Closed  
Global ID: T0608100091  
APN Number: 029204250  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**P125**  
**West**  
**1/4-1/2**  
**0.252 mi.**  
**1333 ft.**

**US POSTAL SERVICE**  
**220 PARK**  
**BURLINGAME, CA 94010**

**LUST** **S104234098**  
**HIST CORTESE** **N/A**

**Site 2 of 2 in cluster P**

**Relative:**  
**Higher**

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660040  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:**  
**36 ft.**

HIST CORTESE:

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0096

**M126**  
**WSW**  
**1/4-1/2**  
**0.261 mi.**  
**1376 ft.**

**200 PARK**  
**200 PARK ROAD**  
**BURLINGAME, CA 94010**

**LUST** **S112141896**  
**N/A**

**Site 4 of 4 in cluster M**

**Relative:**  
**Higher**

LUST:

Region: STATE  
Global Id: T10000004152  
Latitude: 37.5774101  
Longitude: -122.3457145  
Case Type: LUST Cleanup Site  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 06/25/2012  
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)  
Case Worker: MEJ  
Local Agency: Not reported

**Actual:**  
**37 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 PARK (Continued)**

**S112141896**

RB Case Number: 41-1312  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline, Total Petroleum Hydrocarbons (TPH)  
Site History: The Site is located at the north corner of the intersection of Howard Avenue and Park Road in downtown Burlingame, California was previously the location of the former Pitts Nelson Service Station. Historic City directories show that the 200 Park Road property operated as a gasoline service station from at least 1930 to no later than 1961. The property has since been redeveloped and includes an 80 by 100 foot multi-story commercial building that roughly occupies the entire footprint of the property. A 500-1,000 gallon underground storage tank was closed in place by RRM Inc. in March 2011. (Low Threat Closure Policy Assessment and Proposed Workplan to Address Remaining Potential Environmental Impacts related to a Former Underground Fuel Storage Tank, March 31, 2015)

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T10000004152  
Contact Type: Regional Board Caseworker  
Contact Name: MARK JOHNSON  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY STREET, SUITE 1400  
City: OAKLAND  
Email: mjohanson@waterboards.ca.gov  
Phone Number: Not reported

Status History:

Global Id: T10000004152  
Status: Open - Case Begin Date  
Status Date: 01/01/2012  
  
Global Id: T10000004152  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 06/25/2012

Regulatory Activities:

Global Id: T10000004152  
Action Type: Other  
Date: 01/01/2012  
Action: Leak Discovery  
  
Global Id: T10000004152  
Action Type: RESPONSE  
Date: 04/16/2012  
Action: Other Report / Document  
  
Global Id: T10000004152  
Action Type: ENFORCEMENT  
Date: 10/22/2012  
Action: Staff Letter  
  
Global Id: T10000004152  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 PARK (Continued)**

**S112141896**

Date: 04/07/2015  
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T10000004152  
Action Type: ENFORCEMENT  
Date: 10/19/2012  
Action: Staff Letter

Global Id: T10000004152  
Action Type: Other  
Date: 01/01/2012  
Action: Leak Reported

Global Id: T10000004152  
Action Type: Other  
Date: 01/01/2012  
Action: Leak Began

Global Id: T10000004152  
Action Type: ENFORCEMENT  
Date: 07/23/2012  
Action: Staff Letter

127  
ESE  
1/4-1/2  
0.268 mi.  
1414 ft.

**AUTO WORKS  
815 WOODSIDE  
SAN MATEO, CA 94401**

**ENVIROSTOR S103994250  
San Mateo Co. BI N/A**

**Relative:  
Higher**

**ENVIROSTOR:**

**Actual:  
33 ft.**

Facility ID: 41750034  
Status: No Further Action  
Status Date: 08/30/2002  
Site Code: Not reported  
Site Type: Evaluation  
Site Type Detailed: Evaluation  
Acres: 1  
NPL: NO  
Regulatory Agencies: SAN MATEO COUNTY  
Lead Agency: SAN MATEO COUNTY  
Program Manager: Not reported  
Supervisor: Denise Tsuji  
Division Branch: Cleanup Berkeley  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.57696  
Longitude: -122.3360  
APN: 032122120  
Past Use: PAINT/DEPAINT FACILITY  
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Zinc  
Confirmed COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Zinc  
Potential Description: SOIL  
Alias Name: 032122120

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WORKS (Continued)**

**S103994250**

Alias Type: APN  
Alias Name: 110010466744  
Alias Type: EPA (FRS #)  
Alias Name: 41750034  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/07/1987  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 08/30/2002  
Comments: No action required.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 04/03/1981  
Comments: Not reported

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

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0016464  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0023089  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0017023  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0010661  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0017023  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0003289  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: ACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**O128**      **KIRKBRIDE PROPERTY**  
**West**      **307 LORTON**  
**1/4-1/2**      **BURLINGAME, CA 94010**  
**0.278 mi.**  
**1467 ft.**      **Site 2 of 3 in cluster O**

**LUST**      **S103171184**  
**HIST CORTESE**      **N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**33 ft.**

Region: STATE  
Global Id: T0608100953  
Latitude: 37.5794701  
Longitude: -122.346454  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 12/09/1997  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-1040  
LOC Case Number: 660081  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100953  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100953  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100953  
Status: Open - Case Begin Date  
Status Date: 06/20/1997

Global Id: T0608100953  
Status: Completed - Case Closed  
Status Date: 12/09/1997

Regulatory Activities:

Global Id: T0608100953  
Action Type: Other  
Date: 06/23/1997  
Action: Leak Reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIRKBRIDE PROPERTY (Continued)**

**S103171184**

Global Id: T0608100953  
Action Type: ENFORCEMENT  
Date: 06/20/1997  
Action: Notice of Responsibility - #1

Global Id: T0608100953  
Action Type: Other  
Date: 06/03/1997  
Action: Leak Discovery

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660081  
Facility Status: 9- Case Closed  
Global ID: T0608100953  
APN Number: 029152110  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-1040

**O129**  
**West**  
**1/4-1/2**  
**0.278 mi.**  
**1467 ft.**

**KIRKBRIDE PROPERTY**  
**307 LORTON**  
**BURLINGAME, CA 94010**  
**Site 3 of 3 in cluster O**

**LUST S104493529**  
**N/A**

**Relative:**  
**Higher**

**LUST REG 2:**

**Actual:**  
**33 ft.**

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660081  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**Q130** VERACOM MITSUBISHI  
**SE** 790 SAN MATEO  
**1/4-1/2** SAN MATEO, CA 94401  
**0.289 mi.**  
**1528 ft.** Site 1 of 4 in cluster Q

**LUST** S109285658  
**San Mateo Co. BI** N/A

**Relative:**  
**Higher**

LUST:

**Actual:**  
**34 ft.**

Region: STATE  
Global Id: T0608100333  
Latitude: 37.575743  
Longitude: -122.336144  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 05/28/2004  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0349  
LOC Case Number: 110023  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100333  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100333  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100333  
Status: Open - Case Begin Date  
Status Date: 07/01/1987

Global Id: T0608100333  
Status: Open - Site Assessment  
Status Date: 07/01/1987

Global Id: T0608100333  
Status: Open - Verification Monitoring  
Status Date: 05/22/2003

Global Id: T0608100333

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VERACOM MITSUBISHI (Continued)**

**S109285658**

Status: Completed - Case Closed  
Status Date: 05/28/2004

Regulatory Activities:

Global Id: T0608100333  
Action Type: Other  
Date: 07/01/1987  
Action: Leak Reported

Global Id: T0608100333  
Action Type: RESPONSE  
Date: 09/29/2003  
Action: Other Workplan

Global Id: T0608100333  
Action Type: RESPONSE  
Date: 01/07/2004  
Action: Other Report / Document

Global Id: T0608100333  
Action Type: ENFORCEMENT  
Date: 03/07/1991  
Action: Notice of Responsibility - #1

Global Id: T0608100333  
Action Type: ENFORCEMENT  
Date: 10/07/2003  
Action: Staff Letter - #20031007

Global Id: T0608100333  
Action Type: ENFORCEMENT  
Date: 05/28/2004  
Action: Closure/No Further Action Letter - #20040528

Global Id: T0608100333  
Action Type: ENFORCEMENT  
Date: 08/27/2003  
Action: Staff Letter - #20030827

Global Id: T0608100333  
Action Type: Other  
Date: 10/27/1987  
Action: Leak Discovery

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0015102  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0010807  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0015102  
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VERACOM MITSUBISHI (Continued)**

**S109285658**

Record Id: PR0003478  
 Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF  
 Facility Status: INACTIVE

Region: SAN MATEO  
 Facility ID: FA0036925  
 Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
 Record Id: PR0053790  
 Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
 Facility Status: ACTIVE

Region: SAN MATEO  
 Facility ID: FA0036925  
 Prog Element Code: STORES MV FUELS OR WASTE ONLY  
 Record Id: PR0053789  
 Description: STORES MV FUELS OR WASTE ONLY  
 Facility Status: ACTIVE

**Q131  
 SE  
 1/4-1/2  
 0.289 mi.  
 1528 ft.**

**TOYOTA CENTER, INC.  
 790 N SAN MATEO DR  
 SAN MATEO, CA 94401**

**LUST U001596017  
 HIST UST N/A**

**Site 2 of 4 in cluster Q**

**Relative:  
 Higher**

**SAN MATEO CO. LUST:**  
 Region: SAN MATEO  
 Facility ID: 110023  
 Facility Status: 9- Case Closed  
 Global ID: T0608100333  
 APN Number: 032121060  
 Case Type: SAN MATEO CO. LUST  
 EDR Link ID: SAN MATEO CO. LUST

**Actual:  
 34 ft.**

**HIST UST:**  
 File Number: Not reported  
 URL: Not reported  
 Region: STATE  
 Facility ID: 00000043835  
 Facility Type: Other  
 Other Type: AUTOMOBILE DEALERSHI  
 Contact Name: DAVE VALENTINE  
 Telephone: 4153479192  
 Owner Name: TOYOTA CENTER, INC.  
 Owner Address: 790 N. SAN MATEO DRIVE  
 Owner City,St,Zip: SAN MATEO, CA 94401  
 Total Tanks: 0003

Tank Num: 001  
 Container Num: 1  
 Year Installed: 1967  
 Tank Capacity: 00000500  
 Tank Used for: PRODUCT  
 Type of Fuel: UNLEADED  
 Container Construction Thickness: Not reported  
 Leak Detection: Stock Inventor

Tank Num: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TOYOTA CENTER, INC. (Continued)**

**U001596017**

Container Num: 3  
Year Installed: 1967  
Tank Capacity: 00000500  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 003  
Container Num: 2  
Year Installed: 1967  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: None

**Q132**  
**SE**  
**1/4-1/2**  
**0.289 mi.**  
**1528 ft.**

**MIKE HARVEY TOYOTA**  
**790 N SAN MATEO DR**  
**SAN MATEO, CA 94401**  
**Site 3 of 4 in cluster Q**

**RCRA-SQG** **1000196962**  
**LUST** **CAD982516296**  
**FINDS**  
**ECHO**

**Relative:**  
**Higher**  
**Actual:**  
**34 ft.**

RCRA-SQG:  
Date form received by agency: 09/01/1996  
Facility name: MIKE HARVEY TOYOTA  
Facility address: 790 N SAN MATEO DR  
SAN MATEO, CA 94401  
EPA ID: CAD982516296  
Mailing address: PO BOX 943  
BURLINGAME, CA 94010  
Contact: Not reported  
Contact address: 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: MIKE HARVEY TOYOTA  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIKE HARVEY TOYOTA (Continued)**

**1000196962**

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

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 02/15/1989  
Site name: MIKE HARVEY TOYOTA  
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 110023  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 1/1/1965  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: 5/22/2003

FINDS:

Registry ID: 110009547366

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MIKE HARVEY TOYOTA (Continued)**

**1000196962**

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

Registry ID: 110002820519

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.

ECHO:

Envid: 1000196962  
 Registry ID: 110002820519  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002820519](http://echo.epa.gov/detailed_facility_report?fid=110002820519)

Envid: 1000196962  
 Registry ID: 110009547366  
 DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110009547366](http://echo.epa.gov/detailed_facility_report?fid=110009547366)

**Q133**  
**SE**  
**1/4-1/2**  
**0.289 mi.**  
**1528 ft.**

**MIKE HARVEY TOYOTA**  
**790 SAN MATEO**  
**SAN MATEO, CA 94401**

**HIST CORTESE** **S104973578**  
**N/A**

**Site 4 of 4 in cluster Q**

**Relative:**  
**Higher**

HIST CORTESE:  
 Region: CORTESE  
 Facility County Code: 41

**Actual:**  
**34 ft.**

Reg By: LTNKA  
 Reg Id: 41-0349

**134**  
**WSW**  
**1/4-1/2**  
**0.297 mi.**  
**1566 ft.**

**BERENSTEIN ASSOC. PROPERTY**  
**1319 HOWARD**  
**BURLINGAME, CA 94010**

**LUST** **S106131260**  
**SLIC** **N/A**

**Relative:**  
**Higher**

SAN MATEO CO. LUST:  
 Region: SAN MATEO  
 Facility ID: 669096  
 Facility Status: 5R- Remediation Plan  
 Global ID: T0608186803  
 APN Number: 029222040  
 Case Type: SAN MATEO CO. LUST  
 EDR Link ID: SAN MATEO CO. LUST

**Actual:**  
**38 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BERENSTEIN ASSOC. PROPERTY (Continued)**

**S106131260**

SLIC:

Region: STATE  
**Facility Status:** **Open - Site Assessment**  
 Status Date: 10/19/2005  
 Global Id: T0608186803  
 Lead Agency: SAN MATEO COUNTY LOP  
 Lead Agency Case Number: 669096  
 Latitude: 37.5766905377104  
 Longitude: -122.345870286226  
 Case Type: Cleanup Program Site  
 Case Worker: JM  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: Not reported  
 File Location: Local Agency  
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil  
 Potential Contaminants of Concern: Tetrachloroethylene (PCE)  
 Site History: Extracted from RRM's April 22, 2010 Additional Site Investigation Results, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is occupied by a two-story building located at 1319 Howard Avenue in Burlingame, California. The building is approximately 45 feet wide by 100 feet long and is constructed with reinforced concrete walls, concrete floors, and flat pitch-tar and gravel roofing. The first floor, a former dry cleaning facility (Caine Cleaners), is currently vacant. The second floor, built above the front half of the building only, is occupied by an architectural design firm. The facade of the building is mostly plate glass and opens up onto the sidewalk adjacent to Howard Avenue. The rear of the building abuts asphalt-paved parking areas owned by the City of Burlingame and Bank of the West. Soil and groundwater beneath the site is known to be impacted with PCE. Soil excavation activities were completed in 2007 to remove PCE impacted soils beneath the former cleaning machinery and floor drain area inside the building to a depth of approximately 25 feet below ground surface (bgs).

[Click here to access the California GeoTracker records for this facility:](#)

**R135**  
**WNW**  
**1/4-1/2**  
**0.298 mi.**  
**1573 ft.**

**DON SABATINI**  
**361 CALIFORNIA DR**  
**BURLINGAME, CA 94010**  
**Site 1 of 3 in cluster R**

**LUST S112871639**  
**HAZNET N/A**

**Relative:**  
**Lower**

SAN MATEO CO. LUST:  
 Region: SAN MATEO  
 Facility ID: 660110  
 Facility Status: 9- Case Closed  
 Global ID: Not reported  
 APN Number: 029153010  
 Case Type: SAN MATEO CO. LUST  
 EDR Link ID: SAN MATEO CO. LUST

**Actual:**  
**31 ft.**

HAZNET:  
 envid: S112871639  
 Year: 1999  
 GEPAID: CAC001172856  
 Contact: DON SABATINI



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DON SABATINI (Continued)**

**S112871639**

Telephone: 6506855666  
Mailing Name: Not reported  
Mailing Address: 300 EL PORTEL  
Mailing City,St,Zip: HILLSBOROUGH, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD009466392  
TSD County: Not reported  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Recycler  
Tons: .7500  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S112871639  
Year: 1999  
GEPAID: CAC001172856  
Contact: DON SABATINI  
Telephone: 6506855666  
Mailing Name: Not reported  
Mailing Address: 300 EL PORTEL  
Mailing City,St,Zip: HILLSBOROUGH, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD980887418  
TSD County: Not reported  
Waste Category: Not reported  
Disposal Method: Not reported  
Tons: 3.3360  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S112871639  
Year: 1998  
GEPAID: CAC001172856  
Contact: DON SABATINI  
Telephone: 6506855666  
Mailing Name: Not reported  
Mailing Address: 300 EL PORTEL  
Mailing City,St,Zip: HILLSBOROUGH, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAL000180993  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Not reported  
Tons: .9591  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

envid: S112871639  
Year: 1998  
GEPAID: CAC001172856  
Contact: DON SABATINI  
Telephone: 6506855666  
Mailing Name: Not reported  
Mailing Address: 300 EL PORTEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DON SABATINI (Continued)**

**S112871639**

Mailing City,St,Zip: HILLSBOROUGH, CA 940100000  
Gen County: Not reported  
TSD EPA ID: CAD088838222  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Tons: .9591  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: San Mateo

**R136  
WNW  
1/4-1/2  
0.298 mi.  
1573 ft.**

**SABATINI TRUST  
361 CALIFORNIA  
BURLINGAME, CA 94010  
Site 2 of 3 in cluster R**

**LUST S103960987  
N/A**

**Relative:  
Lower**

LUST:

Region: STATE  
Global Id: T10000004188  
Latitude: 37.5802678  
Longitude: -122.3470527  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 08/01/2012  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 660110  
File Location: Not reported  
Potential Media Affect: Not reported  
Potential Contaminants of Concern: Diesel  
Site History: Site to be opened and closed

**Actual:  
31 ft.**

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

Contact:

Global Id: T10000004188  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T10000004188  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T10000004188

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SABATINI TRUST (Continued)**

**S103960987**

Status: Open - Case Begin Date  
 Status Date: 06/13/2012

Global Id: T10000004188  
 Status: Open - Verification Monitoring  
 Status Date: 07/26/2012

Global Id: T10000004188  
 Status: Completed - Case Closed  
 Status Date: 08/01/2012

**Regulatory Activities:**

Global Id: T10000004188  
 Action Type: Other  
 Date: 06/13/2012  
 Action: Leak Discovery

Global Id: T10000004188  
 Action Type: ENFORCEMENT  
 Date: 08/01/2012  
 Action: Closure/No Further Action Letter - #20120801

Global Id: T10000004188  
 Action Type: Other  
 Date: 06/28/2012  
 Action: Leak Reported

Global Id: T10000004188  
 Action Type: ENFORCEMENT  
 Date: 07/25/2012  
 Action: Notice of Responsibility - #20120725

**S137**  
**SSW**  
**1/4-1/2**  
**0.299 mi.**  
**1581 ft.**

**ARMSTRONG PROPERTY**  
**1 PARK RD**  
**BURLINGAME, CA**

**LUST** **S101438025**  
**HIST CORTESE** **N/A**

**Site 1 of 2 in cluster S**

**Relative:**  
**Higher**

**SAN MATEO CO. LUST:**  
 Region: SAN MATEO  
 Facility ID: 660027  
 Facility Status: 9- Case Closed  
 Global ID: T0608100043  
 APN Number: 029223160  
 Case Type: SAN MATEO CO. LUST  
 EDR Link ID: SAN MATEO CO. LUST

**Actual:**  
**42 ft.**

**HIST CORTESE:**

Region: CORTESE  
 Facility County Code: 41  
 Reg By: LTNKA  
 Reg Id: 41-0044

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**S138**      **SERVICE STATION 709**  
**SSW**        **1 PARK ROAD**  
**1/4-1/2**     **BURLINGAME, CA 94010**  
**0.299 mi.**  
**1581 ft.**    **Site 2 of 2 in cluster S**

**LUST**      **U001593949**  
**HIST UST**    **N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**42 ft.**

Region: STATE  
Global Id: T0608100043  
Latitude: 37.574723128212  
Longitude: -122.343141138554  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 03/16/2001  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0044  
LOC Case Number: 660027  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100043  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100043  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100043  
Status: Open - Case Begin Date  
Status Date: 01/27/1987

Global Id: T0608100043  
Status: Completed - Case Closed  
Status Date: 03/16/2001

Regulatory Activities:

Global Id: T0608100043  
Action Type: REMEDIATION  
Date: 05/01/1997  
Action: Other (Use Description Field)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERVICE STATION 709 (Continued)**

**U001593949**

Global Id: T0608100043  
Action Type: Other  
Date: 01/27/1987  
Action: Leak Reported

Global Id: T0608100043  
Action Type: ENFORCEMENT  
Date: 06/22/1989  
Action: Notice of Responsibility - #1

Global Id: T0608100043  
Action Type: Other  
Date: 01/27/1987  
Action: Leak Discovery

**LUST REG 2:**

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 660027  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**HIST UST:**

File Number: 0002BE28  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BE28.pdf>  
Region: STATE  
Facility ID: 00000009205  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: NEDDIE ARCHULETA  
Telephone: 4153489512  
Owner Name: DESERT PETROLEUM, INC.  
Owner Address: POST OFFICE BOX 1601  
Owner City,St,Zip: OXNARD, CA 93032  
Total Tanks: 0004

Tank Num: 001  
Container Num: #1  
Year Installed: Not reported  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: 1/4  
Leak Detection: Stock Inventor

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SERVICE STATION 709 (Continued)**

**U001593949**

Tank Num: 002  
 Container Num: #2  
 Year Installed: Not reported  
 Tank Capacity: 00006000  
 Tank Used for: PRODUCT  
 Type of Fuel: PREMIUM  
 Container Construction Thickness: 1/4  
 Leak Detection: Stock Inventor

Tank Num: 003  
 Container Num: #3  
 Year Installed: Not reported  
 Tank Capacity: 00008000  
 Tank Used for: PRODUCT  
 Type of Fuel: UNLEADED  
 Container Construction Thickness: 1/4  
 Leak Detection: Stock Inventor

Tank Num: 004  
 Container Num: #4  
 Year Installed: Not reported  
 Tank Capacity: 00000280  
 Tank Used for: WASTE  
 Type of Fuel: WASTE OIL  
 Container Construction Thickness: 1/4  
 Leak Detection: None

[Click here for Geo Tracker PDF:](#)

139  
 WNW  
 1/4-1/2  
 0.308 mi.  
 1625 ft.

**BURLINGAME HIGH SCHOOL**  
**400 CAROLAN AVENUE**  
**BURLINGAME, CA 94010**

**ENVIROSTOR S103986521**  
**SCH N/A**  
**DEED**

**Relative:**  
**Lower**

ENVIROSTOR:  
 Facility ID: 41820008  
 Status: Certified / Operation & Maintenance  
 Status Date: 08/04/2011  
 Site Code: 204083  
 Site Type: School Cleanup  
 Site Type Detailed: School  
 Acres: 22  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Mellan Songco  
 Supervisor: Jose Salcedo  
 Division Branch: Northern California Schools & Santa Susana  
 Assembly: 22  
 Senate: 13  
 Special Program: Not reported  
 Restricted Use: YES  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: School District  
 Latitude: 37.58249  
 Longitude: -122.3468  
 APN: 026290380, 029-141-010, 029141010

**Actual:**  
**28 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Past Use: UNKNOWN, SCHOOL - HIGH SCHOOL  
Potential COC: Arsenic Lead Polychlorinated biphenyls (PCBs)  
Confirmed COC: Arsenic Polychlorinated biphenyls (PCBs Lead  
Potential Description: SOIL, SOIL  
Alias Name: BURLINGAME HIGH SCHOOL  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UHSD-BURLINGAME HIGH  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UNION HIGH SCHOOL DISTRICT  
Alias Type: Alternate Name  
Alias Name: 026290380  
Alias Type: APN  
Alias Name: 029-141-010  
Alias Type: APN  
Alias Name: 029141010  
Alias Type: APN  
Alias Name: 110021905143  
Alias Type: EPA (FRS #)  
Alias Name: 204083  
Alias Type: Project Code (Site Code)  
Alias Name: 41820008  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/05/2007  
Comments: Held a face-to-face meeting to discuss outstanding issues for the project: Schedule for remainder of activities; Discussion regarding remediation in the planter boxes. Discussed a couple of options for the planter boxes; the District will include their final recommendation for their remediation in the arsenic RAW.

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/02/2007  
Comments: Site Visit to oversee confirmation sampling for PCB remediation.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/30/2007  
Comments: Phone conference to discuss 1. Fact sheet; 2. Start of the Lead/PCB removal; 3. Recent arsenic characterization; 4. Meeting in DTSC Berkeley Office to develop the dates for the remaining of the remediation activities.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/22/2007  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Date: 02/08/2007  
Comments: Meet with Kim, Diane and Mark to discuss the work notice Kim prepared for Burlingame. Based on the significant amount of time that has lapsed since the last communication from DTSC to the community, Fact Sheet was recommended instead of a work notice. It will include the dates of the PCB and lead removals as well as a date on the additional arsenic investigation. A reference will be made regarding the arsenic removal, but no specific date will be mentioned.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 02/01/2007  
Comments: Project Team to discuss outstanding issues for project: fence the PCB area; financial capabilities of the District; look up the requirements for proper signage and will send it to Burlingame via email; Cost Estimates to complete all of the work at BHS- cost to complete the PCB and Lead removal actions, cost to completed and arsenic characterization; prepare another timeline of tasks that need to be completed; Stabilization of site press release and future fact sheets; Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 01/29/2007  
Comments: Project team discussed Measure M (Proposition 39) that was passed in November 06 for \$298,000,000. discussed if an Imminent and Substantial Endangerment order would appropriate to issue or , a Determination of Non-Compliance (DoNC) or a Fence and Post on a temporary fence

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/20/2013  
Comments: On August 20, 2013, DTSC notified the District about the Agreement manager change.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 08/03/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/19/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/18/2006  
Comments: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/23/2006  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 06/28/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/15/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/16/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/05/2004  
Comments: DTSC approved the PEA with further action required determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 08/07/2002  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 04/06/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 12/23/2002  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/02/2005  
Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Date: 12/19/2005  
Comments: DTSC issued conditional approval. The newspaper did not run the public comment period notification as scheduled. Conditional approval allowed the District to move forward with the removal action for lead and PCBs with the understanding that changes to the RAW may be necessary if significant public comments are received. PCB clean-up goal is 0.3 mg/kg and lead clean-up goal is 255 mg/kg.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Supplemental Site Investigation Report  
Completed Date: 04/27/2007  
Comments: DTSC approved the SSI report with a remediation required determination. A Removal Action Workplan (RAW) will be prepared to address arsenic impacted soils at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 04/04/2006  
Comments: District requested DTSC to assist in the solicitation of state funding by crafting a letter to CDE indicating that the removal actions on the school will take more than six months to complete.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 06/23/2006  
Comments: Delays in Investigation letter to the School District. OLC has been contacted and staff has been assigned to project.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/15/2005  
Comments: DTSC PM memo regarding the evaluation for concentrations of arsenic in the City Easement. Memo is part of a letter to the City of Burlingame.

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 11/14/2005  
Comments: Fact Sheet developed to announce the start of the public comment period for the lead RAW and the contamination identified on the site.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/20/2006  
Comments: DTSC put an unofficial summary together of all of the arsenic investigation for discussion purposes only.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/20/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Comments: Established a new cost estimate to complete the remainder of the project. Cost estimate considered the oversight for the remainder of the lead/PCB removal, additional investigation of arsenic, the remediation of arsenic and project closure.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/17/2004  
Comments: Letter was constructed to encourage San Mateo Union HSD to enter into a VCA for the clean-up of elevated levels of arsenic found on the campus.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/26/2006  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/12/2007  
Comments: DTSC approval of temporary mitigation for cement slurry over City's dirt easement area.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/15/2007  
Comments: DTSC issued Status of Investigation for arsenic Letter.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/21/2007  
Comments: DTSC received (via email), reviewed and approved the TM for arsenic characterization

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 03/28/2007  
Comments: Received 2 copies of Fact Sheet. Uploaded document.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 11/07/2007  
Comments: DTSC issued a RAW approval and concurrently responded to public comments regarding the RAW (in a separate but enclosed letter) and filed the NOE.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 10/01/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Comments: DTSC issued the Fact Sheet and public notice establishing the beginning of the public comment period. The public comment period will run from 10/5/07 - 11/05/07.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/02/2007  
Comments: Following a comprehensive review of the laboratory reports on the soils to be used as fill material in the remediation at Burlingame High School, DTSC has approved the use of the proposed fill materials.  
Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/18/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/07/2008  
Comments: DTSC reviewed and determined that based on the results of the analytical data provided, the decomposed granite from the Handley Ranch Quarry would not adversely impact the site and is suitable to use as fill material in Area B.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/15/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 11/29/2007  
Comments: DTSC/District weekly remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/06/2007  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/13/2007  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/27/2007  
Comments: DTSC/District arsenic remediation meeting

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

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EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/03/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/17/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/14/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/28/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 10/27/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/27/2008  
Comments: DTSC developed and approved the ESD for the project. The ESD serves as a bridging document to explain that a Land Use Covenant (LUC) is needed for the project, even though the LUC was not mentioned in the removal action workplan.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 08/04/2011  
Comments: On July 19, 2012, DTSC received the complete revised Final O&M Plan (July 10, 2012 version)

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/06/2010  
Comments: DTSC approved the Removal Action Completion Report for arsenic impacted soils

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 01/07/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/07/2008  
Comments: DTSC reviewed and determined that based on the analytical data provided, the decomposed granite from the Handley Ranch Quarry would not adversely impact the site and is suitable to use as fill material in Area B.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/06/2011  
Comments: DTSC approved the 2010 Arsenic Annual Inspection summary Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 05/03/2012  
Comments: On May 3, 2012, DTSC approved the Arsenic Annual Inspection Summary Report. This letter also identified two new areas of concern located at the Athletic Field area that will be included and managed under the O&M Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 02/22/2012  
Comments: On February 22, 2012, DTSC received a notification from the SMUHGD via e-mail indicating that Mr. Victor Talavera will be the new Arsenic Coordinator (replacing Mr. Ezekiel Lyles).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 09/07/2012  
Comments: On September 4, 2012, DTSC approved the 2012 Annual Summary Inspection Report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 12/09/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/04/2013  
Comments: On October 2, 2013, DTSC received one hard copy of the revised 2013 Arsenic Annual Report; the e-copy was received via email on September 25, 2013.

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

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EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Document Type: Public Notice  
Completed Date: 07/17/2014  
Comments: Final public notice for publishing before July 8, 2014.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 06/17/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 06/20/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 09/28/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/26/2006  
Comments: Meeting to discuss: the letter of proposed Determination of Non-Compliance was signed and sent to the District and the letter sent to the City of Burlingame (Jim Nantell) . The DNONC identified three thing: Completion of removal action for lead and PCBs around the main building and a submittal of a RACR; Submittal of an SSI to document the extent of arsenic-contamination on BHS; and submittal of a RAW to address the mitigation of arsenic. District to provide a response by January 17, 2007

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 01/29/2013  
Comments: On January 29, 2013, DTSC completed the site certification.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 11/05/2002  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 09/06/2007  
Comments: Office of Env. Planning & Analysis has approved the NOE. Division signatures will be added to the tracking form when the RAW is approved.

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/10/2013  
Comments: On July 10, 2013, DTSC participated on the annual site inspection with Victor Talavera and Patrick Sing (District), and Wes Hawthorne (Locus).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 06/18/2012  
Comments: DTSC participated in the annual arsenic inspection at the Burlingame HS with Zeke Lyles and Wes Hawthorne. The Burlingame HS is still undergoing modernization. DTSC was notified by W. Hawthorne that Victor Talaveras (Arsenic Coordinator) is aware of the project and is monitoring the progress of the modernization project to ensure that if any of the areas of concern is impacted the proper SOP will be followed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/09/2014  
Comments: On July 9, 2014, DTSC participated on the 5-Year review inspection of the cap at the site with the District representatives Sara Dwight (Arsenic Coordinator), Ricky Carrillo (Plant Manager), Wes Hawthorne (Locus Technologies). Cap measurements were taken at two areas in Area E and both areas meet or exceeds the minimum cap thickness.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 08/21/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 07/07/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 12/04/2013  
Comments: On December 2, 2013, DTSC was notified via email from Mr. Victor Talaveras (District's Arsenic Coordinator) that Building F (Home Economics Building) will be demolished which would impact Areas G and C identified in the DTSC-approved O&M Plan. The proposed schedule for the demolition work is from December 16, 2013 until January 24, 2014. Mr. Talaveras stated that the SOP included in the approved O&M Plan will be implemented for this project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/25/2008  
Comments: DTSC issued a letter to the District outlining the current status of



MAP FINDINGS

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

the project and requesting a response to DTSC comments regarding the RACR and a schedule of mitigation activities.

Completed Area Name: Arsenic  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Correspondence  
 Completed Date: 12/03/2009  
 Comments: Not reported

Completed Area Name: Arsenic  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operation & Maintenance Order/Agreement  
 Completed Date: 08/04/2009  
 Comments: DTSC issued a fully executed Operation and Maintenance Agreement.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Correspondence  
 Completed Date: 05/27/2015  
 Comments: Not reported

Completed Area Name: Arsenic  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Land Use Restriction  
 Completed Date: 01/04/2013  
 Comments: On January 4, 2013, the County of San Mateo recorded the land use covenant for the Burlingame High School.

Completed Area Name: Arsenic  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Correspondence  
 Completed Date: 10/01/2007  
 Comments: DTSC issued approval to begin construction on the rear athletic field.  
 Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Land Use Restriction Monitoring Report  
 Completed Date: 01/15/2016  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 07/20/2011  
 Comments: DTSC conducted the 2011 Annual Arsenic Inspection with Zeke Lyles, District's Arsenic Coordinator; J. Wesley Hawthorne (Locus Technologies), O&M Professional; and, George. The following were observed during the walkthrough: bare soils w/ mesh visible around some trees in Area E; some of the planters in Area F2 needs additional granite; Area C behind building C and by the library needs additional wood chips to fill bald spots around plants; a new building D is almost complete - need to verify if Area C is beneath the new building; some of the Area C around the gym that is not concreted needs woodchips to fill bald spots. Z. Lyles mentioned that after the ongoing modernization he is planning on putting concrete over the grassy area around the gym instead on maintaining the grass.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

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EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

The trees will stay and the root area will have bark as covering. Currently, area soil is exposed. During the site inspection Z. Lyles mentioned that the parking area in the south side of the site will be re-finished in the coming months. DTSC reminded them that Area G2 is part of the parking area and therefore there's a potential for arsenic in the soil. In addition, Z. Lyles also mentioned that the track area will also be modernized in the coming months. DTSC recommended that samples be taken & that the consultants follow the SOP included in the O&M plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 01/25/2007  
Comments: Sharon received a draft response letter from the District that did not comply with the DNONC. Comments were written on the response; Additional internal meetings are needed to determine if an order will be issued.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: School Cleanup Agreement  
Completed Date: 10/12/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/02/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/06/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/13/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/29/2006  
Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 11/10/2005  
Comments: Not reported

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Document Type: Correspondence  
Completed Date: 08/27/2009  
Comments: Project Manager Change

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/20/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/27/2005  
Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 09/20/2005  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/26/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/20/2005  
Comments: Not reported

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: 5 Year Review Reports  
Future Due Date: 2019  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Facility ID: 41820008  
Site Type: School Cleanup  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 22  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Mellan Songco  
Supervisor: Jose Salcedo

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Division Branch: Northern California Schools & Santa Susana  
Site Code: 204083  
Assembly: 22  
Senate: 13  
Special Program Status: Not reported  
Status: Certified / Operation & Maintenance  
Status Date: 08/04/2011  
Restricted Use: YES  
Funding: School District  
Latitude: 37.58249  
Longitude: -122.3468  
APN: 026290380, 029-141-010, 029141010  
Past Use: UNKNOWN, SCHOOL - HIGH SCHOOL  
Potential COC: Arsenic, Lead, Polychlorinated biphenyls (PCBs)  
Confirmed COC: Arsenic, , Polychlorinated biphenyls (PCBs, Polychlorinated biphenyls (PCBs, Lead  
Potential Description: SOIL, SOIL  
Alias Name: BURLINGAME HIGH SCHOOOL  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UHSD-BURLINGAME HIGH  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UNION HIGH SCHOOL DISTRICT  
Alias Type: Alternate Name  
Alias Name: 026290380  
Alias Type: APN  
Alias Name: 029-141-010  
Alias Type: APN  
Alias Name: 029141010  
Alias Type: APN  
Alias Name: 110021905143  
Alias Type: EPA (FRS #)  
Alias Name: 204083  
Alias Type: Project Code (Site Code)  
Alias Name: 41820008  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/05/2007  
Comments: Held a face-to-face meeting to discuss outstanding issues for the project: Schedule for remainder of activities; Discussion regarding remediation in the planter boxes. Discussed a couple of options for the planter boxes; the District will include their final recommendation for their remediation in the arsenic RAW.

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/02/2007  
Comments: Site Visit to oversee confirmation sampling for PCB remediation.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/30/2007  
Comments: Phone conference to discuss 1. Fact sheet; 2. Start of the Lead/PCB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

removal; 3. Recent arsenic characterization; 4. Meeting in DTSC Berkeley Office to develop the dates for the remaining of the remediation activities.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/22/2007  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 02/08/2007  
Comments: Meet with Kim, Diane and Mark to discuss the work notice Kim prepared for Burlingame. Based on the significant amount of time that has lapsed since the last communication from DTSC to the community, Fact Sheet was recommended instead of a work notice. It will include the dates of the PCB and lead removals as well as a date on the additional arsenic investigation. A reference will be made regarding the arsenic removal, but no specific date will be mentioned.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 02/01/2007  
Comments: Project Team to discuss outstanding issues for project: fence the PCB area; financial capabilities of the District; look up the requirements for proper signage and will send it to Burlingame via email; Cost Estimates to complete all of the work at BHS- cost to complete the PCB and Lead removal actions, cost to completed and arsenic characterization; prepare another timeline of tasks that need to be completed; Stabilization of site press release and future fact sheets; Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 01/29/2007  
Comments: Project team discussed Measure M (Proposition 39) that was passed in November 06 for \$298,000,000. discussed if an Imminent and Substantial Endangerment order would appropriate to issue or , a Determination of Non-Compliance (DoNC) or a Fence and Post on a temporary fence

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/20/2013  
Comments: On August 20, 2013, DTSC notified the District about the Agreement manager change.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 08/03/2006  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/19/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/18/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 03/23/2006  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 06/28/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/15/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/16/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/05/2004  
Comments: DTSC approved the PEA with further action required determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 08/07/2002  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 04/06/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Date: 12/23/2002  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/02/2005  
Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 12/19/2005  
Comments: DTSC issued conditional approval. The newspaper did not run the public comment period notification as scheduled. Conditional approval allowed the District to move forward with the removal action for lead and PCBs with the understanding that changes to the RAW may be necessary if significant public comments are received. PCB clean-up goal is 0.3 mg/kg and lead clean-up goal is 255 mg/kg.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Supplemental Site Investigation Report  
Completed Date: 04/27/2007  
Comments: DTSC approved the SSI report with a remediation required determination. A Removal Action Workplan (RAW) will be prepared to address arsenic impacted soils at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 04/04/2006  
Comments: District requested DTSC to assist in the solicitation of state funding by crafting a letter to CDE indicating that the removal actions on the school will take more than six months to complete.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 06/23/2006  
Comments: Delays in Investigation letter to the School District. OLC has been contacted and staff has been assigned to project.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/15/2005  
Comments: DTSC PM memo regarding the evaluation for concentrations of arsenic in the City Easement. Memo is part of a letter to the City of Burlingame.

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 11/14/2005  
Comments: Fast Sheet developed to announce the start of the public comment period for the lead RAW and the contamination identified on the site.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/20/2006  
Comments: DTSC put an unofficial summary together of all of the arsenic investigation for discussion purposes only.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/20/2006  
Comments: Established a new cost estimate to complete the remainder of the project. Cost estimate considered the oversight for the remainder of the lead/PCB removal, additional investigation of arsenic, the remediation of arsenic and project closure.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/17/2004  
Comments: Letter was constructed to encourage San Mateo Union HSD to enter into a VCA for the clean-up of elevated levels of arsenic found on the campus.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/26/2006  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/12/2007  
Comments: DTSC approval of temporary mitigation for cement slurry over City's dirt easment area.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/15/2007  
Comments: DTSC issued Status of Investigation for arsenic Letter.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/21/2007  
Comments: DTSC received (via email), reviewed and approved the TM for arsenic characterization

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 03/28/2007  
Comments: Received 2 copies of Fact Sheet. Uploaded document.

Completed Area Name: Arsenic



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 11/07/2007  
Comments: DTSC issued a RAW approval and concurrently responded to public comments regarding the RAW (in a separate but enclosed letter) and filed the NOE.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 10/01/2007  
Comments: DTSC issued the Fact Sheet and public notice establishing the beginning of the public comment period. The public comment period will run from 10/5/07 - 11/05/07.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/02/2007  
Comments: Following a comprehensive review of the laboratory reports on the soils to be used as fill material in the remediation at Burlingame High School, DTSC has approved the use of the proposed fill materials.  
Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/18/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/07/2008  
Comments: DTSC reviewed and determined that based on the results of the analytical data provided, the decomposed granite from the Handley Ranch Quarry would not adversely impact the site and is suitable to use as fill material in Area B.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/15/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 11/29/2007  
Comments: DTSC/District weekly remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/06/2007  
Comments: DTSC/District arsenic remediation meeting

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/13/2007  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/27/2007  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/03/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 01/17/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/14/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/28/2008  
Comments: DTSC/District arsenic remediation meeting

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 10/27/2008  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/27/2008  
Comments: DTSC developed and approved the ESD for the project. The ESD serves as a bridging document to explain that a Land Use Covenant (LUC) is needed for the project, even though the LUC was not mentioned in the removal action workplan.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 08/04/2011  
Comments: On July 19, 2012, DTSC received the complete revised Final O&M Plan (July 10, 2012 version)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/06/2010  
Comments: DTSC approved the Removal Action Completion Report for arsenic impacted soils

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 01/07/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/07/2008  
Comments: DTSC reviewed and determined that based on the analytical data provided, the decomposed granite from the Handley Ranch Quarry would not adversely impact the site and is suitable to use as fill material in Area B.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/06/2011  
Comments: DTSC approved the 2010 Arsenic Annual Inspection summary Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 05/03/2012  
Comments: On May 3, 2012, DTSC approved the Arsenic Annual Inspection Summary Report. This letter also identified two new areas of concern located at the Athletic Field area that will be included and managed under the O&M Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 02/22/2012  
Comments: On February 22, 2012, DTSC received a notification from the SMUHGD via e-mail indicating that Mr. Victor Talavera will be the new Arsenic Coordinator (replacing Mr. Ezekiel Lyles).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 09/07/2012  
Comments: On September 4, 2012, DTSC approved the 2012 Annual Summary Inspection Report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 12/09/2014  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/04/2013  
Comments: On October 2, 2013, DTSC received one hard copy of the revised 2013 Arsenic Annual Report; the e-copy was received via email on September 25, 2013.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 07/17/2014  
Comments: Final public notice for publishing before July 8, 2014.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 06/17/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 06/20/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 09/28/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/26/2006  
Comments: Meeting to discuss: the letter of proposed Determination of Non-Compliance was signed and sent to the District and the letter sent to the City of Burlingame (Jim Nantell) . The DNONC identified three things: Completion of removal action for lead and PCBs around the main building and a submittal of a RACR; Submittal of an SSI to document the extent of arsenic-contamination on BHS; and submittal of a RAW to address the mitigation of arsenic. District to provide a response by January 17, 2007

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 01/29/2013  
Comments: On January 29, 2013, DTSC completed the site certification.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 11/05/2002  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 09/06/2007  
Comments: Office of Env. Planning & Analysis has approved the NOE. Division signatures will be added to the tracking form when the RAW is approved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/10/2013  
Comments: On July 10, 2013, DTSC participated on the annual site inspection with Victor Talavera and Patrick Sing (District), and Wes Hawthorne (Locus).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 06/18/2012  
Comments: DTSC participated in the annual arsenic inspection at the Burlingame HS with Zeke Lyles and Wes Hawthorne. The Burlingame HS is still undergoing modernization. DTSC was notified by W. Hawthorne that Victor Talaveras (Arsenic Coordinator) is aware of the project and is monitoring the progress of the modernization project to ensure that if any of the areas of concern is impacted the proper SOP will be followed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 07/09/2014  
Comments: On July 9, 2014, DTSC participated on the 5-Year review inspection of the cap at the site with the District representatives Sara Dwight (Arsenic Coordinator), Ricky Carrillo (Plant Manager), Wes Hawthorne (Locus Technologies). Cap measurements were taken at two areas in Area E and both areas meet or exceeds the minimum cap thickness.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 08/21/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 07/07/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 12/04/2013  
Comments: On December 2, 2013, DTSC was notified via email from Mr. Victor Talaveras (District's Arsenic Coordinator) that Building F (Home Economics Building) will be demolished which would impact Areas G and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

C identified in the DTSC-approved O&M Plan. The proposed schedule for the demolition work is from December 16, 2013 until January 24, 2014. Mr. Talaveras stated that the SOP included in the approved O&M Plan will be implemented for this project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/25/2008  
Comments: DTSC issued a letter to the District outlining the current status of the project and requesting a response to DTSC comments regarding the RACR and a schedule of mitigation activities.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 12/03/2009  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Operation & Maintenance Order/Agreement  
Completed Date: 08/04/2009  
Comments: DTSC issued a fully executed Operation and Maintenance Agreement.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 05/27/2015  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 01/04/2013  
Comments: On January 4, 2013, the County of San Mateo recorded the land use covenant for the Burlingame High School.

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 10/01/2007  
Comments: DTSC issued approval to begin construction on the rear athletic field.  
Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 01/15/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/20/2011  
Comments: DTSC conducted the 2011 Annual Arsenic Inspection with Zeke Lyles, District's Arsenic Coordinator; J. Wesley Hawthorne (Locus

MAP FINDINGS

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Technologies), O&M Professional; and, George. The following were observed during the walkthrough: bare soils w/ mesh visible around some trees in Area E; some of the planters in Area F2 needs additional granite; Area C behind building C and by the library needs additional wood chips to fill bald spots around plants; a new building D is almost complete - need to verify if Area C is beneath the new building; some of the Area C around the gym that is not concreted needs woodchips to fill bald spots. Z. Lyles mentioned that after the ongoing modernization he is planning on putting concrete over the grassy area around the gym instead on maintaining the grass. The trees will stay and the root area will have bark as covering. Currently, area soil is exposed. During the site inspection Z. Lyles mentioned that the parking area in the south side of the site will be re-finished in the coming months. DTSC reminded them that Area G2 is part of the parking area and therefore there's a potential for arsenic in the soil. In addition, Z. Lyles also mentioned that the track area will also be modernized in the coming months. DTSC recommended that samples be taken & that the consultants follow the SOP included in the O&M plan.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 01/25/2007  
 Comments: Sharon received a draft response letter from the District that did not comply with the DNONC. Comments were written on the response; Additional internal meetings are needed to determine if an order will be issued.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: School Cleanup Agreement  
 Completed Date: 10/12/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Annual Oversight Cost Estimate  
 Completed Date: 10/02/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 11/06/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 11/13/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 11/29/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 11/10/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/27/2009  
Comments: Project Manager Change

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 11/20/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 12/27/2005  
Comments: Not reported

Completed Area Name: Lead/PCB  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 09/20/2005  
Comments: Not reported

Completed Area Name: Arsenic  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/26/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 04/20/2005  
Comments: Not reported

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: 5 Year Review Reports  
Future Due Date: 2019  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

DEED:

Envirostor ID: 41820008  
Area: ARSENIC



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGAME HIGH SCHOOL (Continued)**

**S103986521**

Sub Area: Not reported  
Site Type: SCHOOL CLEANUP  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 01/04/2013

**R140  
WNW  
1/4-1/2  
0.345 mi.  
1822 ft.**

**LORTON PLACE OWNERS ASSOCIATION  
345 LORTON AVENUE  
BURLINGAME, CA 94010**

**LUST S113804525  
N/A**

**Site 3 of 3 in cluster R**

**Relative:  
Lower**

**LUST:**

**Actual:  
31 ft.**

Region: STATE  
Global Id: T10000004932  
Latitude: 37.5801979256519  
Longitude: -122.347689136246  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 10/22/2013  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 660111  
File Location: Not reported  
Potential Media Affect: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil  
Potential Contaminants of Concern: Diesel, Gasoline  
Site History: Not reported

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

**Contact:**

Global Id: T10000004932  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T10000004932  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T10000004932  
Status: Open - Case Begin Date  
Status Date: 02/16/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LORTON PLACE OWNERS ASSOCIATION (Continued)**

**S113804525**

Global Id: T10000004932  
Status: Open - Site Assessment  
Status Date: 07/11/2013

Global Id: T10000004932  
Status: Open - Eligible for Closure  
Status Date: 07/23/2013

Global Id: T10000004932  
Status: Completed - Case Closed  
Status Date: 10/22/2013

Regulatory Activities:

Global Id: T10000004932  
Action Type: ENFORCEMENT  
Date: 07/19/2013  
Action: Notice of Responsibility - #20130719

Global Id: T10000004932  
Action Type: Other  
Date: 02/16/2013  
Action: Leak Discovery

Global Id: T10000004932  
Action Type: Other  
Date: 03/21/2013  
Action: Leak Reported

Global Id: T10000004932  
Action Type: RESPONSE  
Date: 05/08/2013  
Action: Site Assessment Report

Global Id: T10000004932  
Action Type: ENFORCEMENT  
Date: 10/22/2013  
Action: Closure/No Further Action Letter - #20131022

Global Id: T10000004932  
Action Type: ENFORCEMENT  
Date: 08/07/2013  
Action: Notification - Public Notice of Case Closure - #20130807

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660111  
Facility Status: 9- Case Closed  
Global ID: Not reported  
APN Number: MULTIPLE APNS  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

141  
WNW  
1/4-1/2  
0.352 mi.  
1856 ft.

**KIM MILLS TEXACO (FORMER)  
401 CALIFORNIA  
BURLINGAME, CA 94010**

**LUST S111711481  
N/A**

**Relative:  
Lower**

LUST:

**Actual:  
29 ft.**

Region: STATE  
Global Id: T10000003636  
Latitude: 37.5806028815452  
Longitude: -122.347826957703  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 05/15/2012  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 660107  
File Location: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Open/Close case, Opened 3/28/2012

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

Contact:

Global Id: T10000003636  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T10000003636  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T10000003636  
Status: Open - Case Begin Date  
Status Date: 03/21/2012

Global Id: T10000003636  
Status: Open - Verification Monitoring  
Status Date: 03/28/2012

Global Id: T10000003636  
Status: Completed - Case Closed  
Status Date: 05/15/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIM MILLS TEXACO (FORMER) (Continued)**

**S111711481**

Regulatory Activities:

Global Id: T10000003636  
Action Type: ENFORCEMENT  
Date: 05/15/2012  
Action: Closure/No Further Action Letter - #20120515

Global Id: T10000003636  
Action Type: Other  
Date: 03/21/2012  
Action: Leak Discovery

Global Id: T10000003636  
Action Type: Other  
Date: 03/27/2012  
Action: Leak Reported

Global Id: T10000003636  
Action Type: ENFORCEMENT  
Date: 04/03/2012  
Action: Notice of Responsibility - #20120403

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 660107  
Facility Status: 9- Case Closed  
Global ID: T100003636  
APN Number: 029133200  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

T142  
ENE  
1/4-1/2  
0.353 mi.  
1864 ft.

**PENINSULA CHEVRON  
880 N DELAWARE  
SAN MATEO, CA 94401**  
**Site 1 of 3 in cluster T**

**LUST S101593949  
SWEEPS UST N/A  
HIST UST  
CA FID UST**

Relative:  
Lower

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 110108  
Facility Status: 9- Case Closed  
Global ID: T0608100943  
APN Number: 033010060  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

Actual:  
24 ft.

SWEEPS UST:

Status: Active  
Comp Number: 110033  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-12-94  
Action Date: 04-12-94  
Created Date: 10-13-88  
Owner Tank Id: 002136  
SWRCB Tank Id: 41-000-110033-000001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENINSULA CHEVRON (Continued)**

**S101593949**

Tank Status: A  
Capacity: 10000  
Active Date: 04-12-94  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4

Status: Active  
Comp Number: 110033  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-12-94  
Action Date: 04-12-94  
Created Date: 10-13-88  
Owner Tank Id: 002138  
SWRCB Tank Id: 41-000-110033-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 04-12-94  
Tank Use: M.V. FUEL  
STG: P  
Content: PRM UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 110033  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-12-94  
Action Date: 04-12-94  
Created Date: 10-13-88  
Owner Tank Id: 002137  
SWRCB Tank Id: 41-000-110033-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 04-12-94  
Tank Use: M.V. FUEL  
STG: P  
Content: PLUS UNLEADE  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 110033  
Number: 2  
Board Of Equalization: Not reported  
Referral Date: 04-12-94  
Action Date: 04-12-94  
Created Date: 10-13-88  
Owner Tank Id: UNK  
SWRCB Tank Id: 41-000-110033-000004  
Tank Status: A  
Capacity: 10000  
Active Date: 04-12-94  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENINSULA CHEVRON (Continued)**

**S101593949**

Number Of Tanks: Not reported

HIST UST:

File Number: 0002BCE8  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BCE8.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: 41003378  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 4153488870  
Mail To: Not reported  
Mailing Address: 880 N DELAWARE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SAN MATEO 94401  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

T143  
ENE  
1/4-1/2  
0.353 mi.  
1864 ft.

**CHEVRON 9-3989**  
**880 NORTH DELAWARE STREET**  
**SAN MATEO, CA 94403**  
**Site 2 of 3 in cluster T**

**LUST S103894103**  
**San Mateo Co. BI N/A**  
**HIST CORTESE**

Relative:  
Lower

LUST:  
Region: STATE  
Global Id: T0608100943  
Latitude: 37.580096  
Longitude: -122.33395

Actual:  
24 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON 9-3989 (Continued)**

**S103894103**

Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 03/15/2004  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-1030  
LOC Case Number: 110108  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

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

Contact:

Global Id: T0608100943  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100943  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100943  
Status: Open - Case Begin Date  
Status Date: 10/25/1996

Global Id: T0608100943  
Status: Open - Site Assessment  
Status Date: 10/25/1996

Global Id: T0608100943  
Status: Open - Verification Monitoring  
Status Date: 07/10/2003

Global Id: T0608100943  
Status: Completed - Case Closed  
Status Date: 03/15/2004

Regulatory Activities:

Global Id: T0608100943  
Action Type: Other  
Date: 01/22/1997  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON 9-3989 (Continued)**

**S103894103**

Global Id:	T0608100943
Action Type:	RESPONSE
Date:	02/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0608100943
Action Type:	RESPONSE
Date:	10/31/2003
Action:	Request for Closure
Global Id:	T0608100943
Action Type:	RESPONSE
Date:	04/20/2004
Action:	Unknown
Global Id:	T0608100943
Action Type:	RESPONSE
Date:	08/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0608100943
Action Type:	REMEDIATION
Date:	10/25/1996
Action:	Excavation
Global Id:	T0608100943
Action Type:	ENFORCEMENT
Date:	07/10/2003
Action:	Staff Letter - #20030710
Global Id:	T0608100943
Action Type:	ENFORCEMENT
Date:	01/20/2004
Action:	Staff Letter - #20040120
Global Id:	T0608100943
Action Type:	ENFORCEMENT
Date:	01/28/1997
Action:	Notice of Responsibility - #1
Global Id:	T0608100943
Action Type:	ENFORCEMENT
Date:	03/15/2004
Action:	Closure/No Further Action Letter - #20040315
Global Id:	T0608100943
Action Type:	ENFORCEMENT
Date:	08/03/2000
Action:	Staff Letter - #20000803
Global Id:	T0608100943
Action Type:	Other
Date:	10/25/1996
Action:	Leak Discovery



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON 9-3989 (Continued)**

**S103894103**

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Case Closed  
Case Number: 110108  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Wokplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 1/1/1965  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: 7/10/2003

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0016907  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0044481  
Description: GENERATES <27 GAL/YEAR  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0016907  
Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0023714  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0016907  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0022109  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: ACTIVE

HIST CORTESE:

Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-1030

**T144 HOLIDAY CLEANERS**  
**East 850 DELAWARE**  
**1/4-1/2 SAN MATEO, CA 94401**  
**0.369 mi.**  
**1947 ft. Site 3 of 3 in cluster T**

**ENVIROSTOR S100932195**  
**San Mateo Co. BI N/A**

**Relative: ENVIROSTOR:**  
**Lower Facility ID: 41720099**  
**Status: Refer: Other Agency**  
**Actual: Status Date: 07/29/1994**  
**25 ft. Site Code: Not reported**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOLIDAY CLEANERS (Continued)**

**S100932195**

Site Type: Evaluation  
Site Type Detailed: Evaluation  
Acres: 0.04  
NPL: NO  
Regulatory Agencies: SAN MATEO COUNTY  
Lead Agency: SAN MATEO COUNTY  
Program Manager: Not reported  
Supervisor: Denise Tsuji  
Division Branch: Cleanup Berkeley  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.57916  
Longitude: -122.3336  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 41720099  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 08/18/2003  
Comments: Site screening completed. The local agency permits and oversee activities at the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 10/15/1980  
Comments: FACILITY IDENTIFIED ACTIVE SITE ID'D BY DRIVE BY

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

San Mateo Co. BI:

Region: SAN MATEO  
Facility ID: FA0005322  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0010713  
Description: GENERATES <27 GAL/YEAR  
Facility Status: INACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HOLIDAY CLEANERS (Continued)**

**S100932195**

Region: SAN MATEO  
Facility ID: FA0005322  
Prog Element Code: STORES HAZ MAT <219GAL,1,999LB, 879FT3  
Record Id: PR0003419  
Description: STORES HAZ MAT <219GAL,1,999LB, 879CF  
Facility Status: INACTIVE

Region: SAN MATEO  
Facility ID: FA0058159  
Prog Element Code: GENERATES <27 GAL/YEAR  
Record Id: PR0080648  
Description: GENERATES <27 GAL/YEAR  
Facility Status: ACTIVE

145  
West  
1/4-1/2  
0.457 mi.  
2411 ft.

**PICKRELL D J**  
**1408 CHAPIN AVE**  
**BURLINGAME, CA 94010**

**SEMS-ARCHIVE 1003878368**  
**CAD074632522**

**Relative:**  
**Higher**

SEMS-ARCHIVE:  
Site ID: 901576  
EPA ID: CAD074632522  
Federal Facility: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**33 ft.**

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**

Site ID: 0901576  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13287240.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13292835.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13298693.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: / /  
Date Completed: 12/01/79  
Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 12/01/87  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 12/01/87

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PICKRELL D J (Continued)**

**1003878368**

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

**U146**  
**WSW**  
**1/4-1/2**  
**0.478 mi.**  
**2523 ft.**

**PACIFIC BELL**  
**1480 BURLINGAME AVE.**  
**BURLINGAME, CA 94010**

**Site 1 of 5 in cluster U**

**LUST** **U001595280**  
**UST** **N/A**  
**SWEEPS UST**  
**HIST UST**

**Relative:**  
**Higher**

**Actual:**  
**41 ft.**

**LUST:**

Region: STATE  
Global Id: T0608100377  
Latitude: 37.5767309  
Longitude: -122.3497364  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/09/1992  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: JM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0396  
LOC Case Number: 660023  
File Location: Local Agency  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

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

**Contact:**

Global Id: T0608100377  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100377  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

**Status History:**

Global Id: T0608100377  
Status: Open - Case Begin Date  
Status Date: 11/21/1985

Global Id: T0608100377  
Status: Completed - Case Closed  
Status Date: 07/09/1992

Regulatory Activities:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**U001595280**

Global Id: T0608100377  
Action Type: Other  
Date: 11/21/1985  
Action: Leak Reported

Global Id: T0608100377  
Action Type: ENFORCEMENT  
Date: 06/08/1990  
Action: Notice of Responsibility - #1

Global Id: T0608100377  
Action Type: Other  
Date: 01/31/1986  
Action: Leak Discovery

**SAN MATEO CO. LUST:**

Region: SAN MATEO  
Facility ID: 660023  
Facility Status: 9- Case Closed  
Global ID: T0608100377  
APN Number: 029122999  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

**UST:**

Facility ID: 41-000-022765  
Permitting Agency: SAN MATEO COUNTY  
Latitude: 37.5767  
Longitude: -122.34977

**SWEEPS UST:**

Status: Active  
Comp Number: 660034  
Number: 9  
Board Of Equalization: 44-001027  
Referral Date: 03-24-94  
Action Date: 03-24-94  
Created Date: 10-13-88  
Owner Tank Id: 92  
SWRCB Tank Id: 41-000-660034-000001  
Tank Status: A  
Capacity: 4000  
Active Date: 03-24-94  
Tank Use: PETROLEUM  
STG: P  
Content: DIESEL  
Number Of Tanks: 1

**HIST UST:**

File Number: 0002C129  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002C129.pdf>  
Region: STATE  
Facility ID: 00000036935  
Facility Type: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**U001595280**

Other Type: SIC 4800  
Contact Name: E.J. KOEHLER  
Telephone: 4155426758  
Owner Name: PACIFIC BELL  
Owner Address: 370 THIRD STREET  
Owner City,St,Zip: SAN FRANCISCO, CA 94107  
Total Tanks: 0002

Tank Num: 001  
Container Num: D-XX-3K  
Year Installed: Not reported  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Pressure Test

Tank Num: 002  
Container Num: D-67-3K  
Year Installed: 1967  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 003  
Container Num: D-67-3K  
Year Installed: 1967  
Tank Capacity: 00003000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**U147 AT&T CALIFORNIA - P3006**  
**WSW 1480 BURLINGAME AVE**  
**1/4-1/2 BURLINGAME, CA 94010**  
**0.478 mi.**  
**2523 ft. Site 2 of 5 in cluster U**

**RCRA-SQG 1000251378**  
**LUST CAT080022270**  
**FINDS**  
**ECHO**  
**San Mateo Co. BI**  
**HIST CORTESE**

**Relative:  
Higher**

RCRA-SQG:  
Date form received by agency: 09/01/1996  
Facility name: PACIFIC BELL  
Facility address: 1480 BURLINGAME AVENUE  
BURLINGAME, CA 94010  
EPA ID: CAT080022270  
Mailing address: 2 NORTH SECOND ST ROOM 1125  
SAN JOSE, CA 95113  
Contact: Not reported  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported

**Actual:  
41 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT&T CALIFORNIA - P3006 (Continued)**

**1000251378**

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

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

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

**Handler Activities Summary:**

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

**Historical Generators:**

Date form received by agency: 01/19/1981  
Site name: PACIFIC BELL  
Classification: Large Quantity Generator

Violation Status: No violations found

**LUST REG 2:**

Region: 2  
Facility Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT&T CALIFORNIA - P3006 (Continued)**

**1000251378**

Facility Status: Case Closed  
Case Number: 660023  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**FINDS:**

Registry ID: 110055778724

Environmental Interest/Information System  
STATE MASTER

Registry ID: 110002950487

Environmental Interest/Information System  
AIR EMISSIONS CLASSIFICATION UNKNOWN

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

**ECHO:**

Envid: 1000251378  
Registry ID: 110002950487  
DFR URL: [http://echo.epa.gov/detailed\\_facility\\_report?fid=110002950487](http://echo.epa.gov/detailed_facility_report?fid=110002950487)

**San Mateo Co. BI:**

Region: SAN MATEO  
Facility ID: FA0017985  
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT  
Record Id: PR0049364  
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0017985



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT&T CALIFORNIA - P3006 (Continued)**

**1000251378**

Prog Element Code: STORES MV FUELS OR WASTE ONLY  
Record Id: PR0004643  
Description: STORES MV FUELS OR WASTE ONLY  
Facility Status: ACTIVE

Region: SAN MATEO  
Facility ID: FA0017985  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0022765  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: ACTIVE

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0396

**U148** **CHEVRON 9-0571**  
**WSW** **260 EL CAMINO REAL**  
**1/4-1/2** **BURLINGAME, CA 94010**  
**0.479 mi.**  
**2529 ft.** **Site 3 of 5 in cluster U**

**LUST** **S105030425**  
**N/A**

**Relative:**  
**Higher**

LUST REG 2:  
Region: 2  
Facility Id: Not reported  
Facility Status: Pollution Characterization  
Case Number: 660046  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assessment Workplan Submitted: Not reported  
Preliminary Site Assessment Began: Not reported  
Pollution Characterization Began: 1/1/1965  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: Not reported

**Actual:**  
**43 ft.**

**U149** **CHEVRON**  
**WSW** **260 EL CAMINO REAL**  
**1/4-1/2** **BURLINGAME, CA**  
**0.479 mi.**  
**2529 ft.** **Site 4 of 5 in cluster U**

**HIST CORTESE** **S110060516**  
**N/A**

**Relative:**  
**Higher**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0135

**Actual:**  
**43 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**U150**      **90571**  
**WSW**      **260 EL CAMINO REAL**  
**1/4-1/2**    **BURLINGAME, CA 94010**  
**0.479 mi.**  
**2529 ft.**    **Site 5 of 5 in cluster U**

**LUST**      **U001593888**  
**HIST UST**    **N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**43 ft.**

Region: STATE  
 Global Id: T0608100128  
 Latitude: 37.5764790250825  
 Longitude: -122.3495221138  
 Case Type: LUST Cleanup Site  
 Status: Completed - Case Closed  
 Status Date: 05/10/2013  
 Lead Agency: SAN MATEO COUNTY LOP  
 Case Worker: JM  
 Local Agency: SAN MATEO COUNTY LOP  
 RB Case Number: 41-0135  
 LOC Case Number: 660046  
 File Location: Local Agency  
 Potential Media Affect: Other Groundwater (uses other than drinking water)  
 Potential Contaminants of Concern: Gasoline  
 Site History: Extracted from CRA's April 27, 2009 WELL INSTALLATION AND DESTUCTION REPORT, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is an inactive Chevron retail gasoline service station. The subject property was first developed in the late 1910s or early 1920s as a service station. Details of the station facilities are not available; however, historical Sanborn maps and aerial photos indicate two structures occupying the site. The property remained unchanged until approximately 1965 when the dispenser island configuration changed from a rectangular to a square structure. In June 1990, the configuration of the site went through a third change when the adjacent office/store building on the northern property was demolished and the property was merged with the subject property. At the same time, two steel 10,000-gallon gasoline, one steel 5,000-gallon gasoline and one 1,000-gallon used-oil underground storage tanks (USTs) and associated product line piping were removed from beneath the site. A new station building containing an automotive service shop equipped with three hydraulic lifts was constructed in the northeast corner of the site. Two 10,000-gallon and one 5,000-gallon gasoline USTs and two fuel dispenser islands were installed in the central portion of the site, and one 1,000-gallon used-oil UST was installed next to the service bays in the eastern portion of the site. In 1998, the second generation USTs were removed and replaced with a third generation of USTs comprised of three fiberglass and steel 10,000-gallon gasoline USTs in the same location. One 1,000-gallon used-oil UST replaced the previous tank in the same location. In May 2007, as part of the debranding of the Chevron station, all USTs, dispenser islands, associated product piping, and three hydraulic lifts were removed from the site. The station building, canopy and concrete apron still occupy the site. 1990 Soil Vapor Contaminant Assessment: On June 5, 1990, EA Engineering, Science, and Technology (EA) collected soil gas samples from 15 locations. The volatile hydrocarbon distribution pattern indicated two distinct sources of petroleum hydrocarbons. EA stated that a former Shell Service Station site with a known history of UST leaks, located directly across Burlingame Avenue, may have contributed to the presence of petroleum hydrocarbons beneath the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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90571 (Continued)

U001593888

northwestern portion of the Chevron site. Furthermore, EA found that a second source of subsurface petroleum hydrocarbons originated beneath the northern portion of the Chevron tank field. 1990 UST and Product Line Removal: In June 1990, two 10,000-gallon and one 5,000-gallon gasoline, and one 1,000-gallon used-oil USTs and associated product line piping were removed. Total petroleum hydrocarbons as gasoline (TPHg) were detected as high as 4,100 milligrams per kilogram (mg/kg) in a soil sample collected from the southwest corner of the former tank pit. A September 20, 1990 Unauthorized Release Report states that an unknown volume of gasoline and used-oil was released from the site and discovered on June 13, 1990 during tank removal. To remediate impacted soil in the vicinity of the tank field, EA installed four vapor extraction pipes on the floor of the excavation and covered them with pea gravel and a heavy gauge Hypalon vapor barrier before additional gravel and replacement double-walled fiberglass tanks were placed in the pit. 1990 Well Installation: Between August 20 and September 4, 1990, EA installed groundwater monitoring wells MW-1 through MW-6. Petroleum hydrocarbon concentrations in soil were generally higher in the northern and southern edges of the site. The highest detected hydrocarbon concentrations in soil were 1,100 mg/kg total petroleum hydrocarbons as diesel (TPHd), 4,100 mg/kg TPHg, and 13 mg/kg benzene from boring MW-5, located on the southeast corner of the site. Soil samples were not analyzed for methyl tertiary butyl ether (MTBE). Light non-aqueous phase liquids (LNAPL) were detected in well MW-5 upon installation. 1991 Soil Vapor Extraction Pilot Test: On February 15 and August 15, 1991, EA conducted a soil vapor extraction pilot test to evaluate soil vapor extraction feasibility for remediation of subsurface petroleum hydrocarbons at the site. EA concluded that despite relatively low soil permeability, the site could be remediated by a vapor extraction system equipped with a high vacuum pump. 1995 Well Installation: On March 13 and 14, 1995, Groundwater Technology, Inc. (GTI) installed groundwater monitoring wells MW-7 through MW-9. No benzene, toluene, ethylbenzene, or xylenes (BTEX), or TPHg were detected in soil. Soil samples were not analyzed for TPHd or MTBE. 1995 Hydrocarbon Removal from Tank Backfill: According to a December 5, 1995 unauthorized release report, approximately 2,200 gallons of gasoline were released from the northernmost UST into the tank backfill after both of the tanks fiberglass walls were ruptured during station remodeling. Vacuum trucks pumped NAPL and groundwater from the tank backfill area on December 5 and 29, 1995, recovering an estimated 2,000 gallons of NAPL. Cambria Environmental Technology, Inc. (Cambria) extracted soil vapor from two tank backfill wells between December 20, 1995 and January 17, 1996, removing an estimated 253 gallons of petroleum hydrocarbons. Therefore, remedial actions after the release appear to have recovered the released hydrocarbon mass. 1996 Area Well Survey: On October 24, 1996, Cambria performed a door-to-door area well survey of properties in an arc extending approximately 400 feet downgradient (north to northeast) from the site. No active or abandoned wells were identified. 1998 Soil Vapor Investigation: On March 11, 1998, Cambria advanced soil vapor borings SB-1 through SB-4. Soil vapor samples were collected from 2 and 5 feet below grade (fbg) in each boring. The only benzene concentration detected was 0.0028 parts per million by volume in sample SB-4 collected from 2 fbg near the southeast corner of the station building. 2002-2003 Well Survey: Cambria contacted SMCHD and the City of Burlingame Water Division to obtain

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

records of any wells within a 2000-foot radius of the site. Cambria also distributed a questionnaire to owners of all properties within 800 feet downgradient and 400 feet upgradient and crossgradient of the site to identify any wells or sumps present on their properties. Ten irrigation wells were identified over 1,500 feet upgradient and crossgradient of the site. The only wells identified downgradient of the site were groundwater monitoring wells. Cambria's February 12, 2003 Well Survey Report concluded that based on the topography, drainage patterns and groundwater gradient, it was unlikely that any wells would be impacted by petroleum hydrocarbons originating from the site. 2005 Baseline Investigation: On November 11 through 15, 2005, SECOR International, Inc. (SECOR) conducted a baseline investigation, advancing soil borings BA-1 through BA-4. Soil collected from borings BA-1 and BA-2 were analyzed for TPHg, BTEX, and oxygenates including MTBE. TPHg was only detected at 130 mg/kg in the 15 fbg sample from boring BA-2, advanced near the dispenser islands. No BTEX or oxygenates were detected in soil. Soil samples from BA-3 and BA-4 were only analyzed for TPHd. Soil samples from BA-3 contained 53 mg/kg at 15 fbg and BA-4 contained 13 mg/kg at 15 fbg. Groundwater was encountered in boring BA-1 and a grab-groundwater sample was collected. The grab-groundwater sample contained 4,400 micrograms per liter (4.400 g/L) TPHg and 19 g/L benzene. No fuel oxygenates, including MTBE, were detected in the grab-groundwater sample from boring BA-1. 2006 Well Installation: On November 8, 2006, Cambria installed monitoring well MW-10 to further define the downgradient extent of petroleum hydrocarbons in groundwater northeast of the site. TPHg was detected in soil from 10.5 fbg at 770 mg/kg and from 15.5 fbg at 1,100 mg/kg. No benzene or MTBE was detected in soil. 2007 Well Destruction: On May 18, 2007, Conestoga-Rovers & Associates (CRA) destroyed onsite wells MW-3 and MW-4 by pressure grouting in anticipation of station demolition activities that would have compromised well integrity. The well destruction is detailed in CRAs June 1, 2007 Well Destruction Report. 2007 Station Demolition: The station was de-branded on April 2, 2007. In May 2007, CRA observed Gettler-Ryan, Inc. (G-R) of Dublin, California remove the hydraulic lifts, fuel dispensers, product lines and USTs and collected compliance soil samples. Only TPHg and ethylbenzene were detected in the three gasoline UST soil samples. TPHg concentrations ranged from 820 to 2,100 mg/kg, and ethylbenzene concentrations ranged from 5.2 to 12 mg/kg. No hydrocarbons were detected in the six soil samples collected beneath the dispenser islands. Only 1.1 mg/kg TPHd was detected in the soil sample collected from the used-oil tank pit. No total petroleum hydrocarbons as hydraulic oil (TPHho) was detected in the soil samples collected beneath the hydraulic lifts. The grab-groundwater sample collected from the gasoline UST pit contained 3,000 g/L TPHg, 23 g/L benzene, and 15 g/L MTBE. No hydrocarbons were detected in the grab-groundwater sample collected from the used-oil tank pit. The tank cavities and hydraulic lift cavity were backfilled to the surface with gravel. As a condition of the City of Burlingame permit approval, G-R was required to leave the station building and canopy intact. 2007 Soil Boring and Soil Vapor Investigation: In October and November 2007, CRA advanced soil borings B4 through B12 and installed soil vapor probes VP-1, VP-2, and VP-3 to define the extent and distribution of petroleum hydrocarbons in soil and groundwater beneath the site and to evaluate soil vapor exposure pathways in anticipation of property

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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90571 (Continued)

U001593888

redevelopment. TPHg was detected in seven of the nine soil borings at concentrations ranging from 11 mg/kg in sample B7 at 20 fbg to 2,600 mg/kg in sample B5 at 15 fbg. Benzene was detected in five of the soil borings at concentrations ranging from 0.001 mg/kg in sample B12 at 20 fbg to 4.7 mg/kg in sample B5 at 15 fbg. MTBE was detected in six soil borings at concentrations ranging from 0.0008 mg/kg in sample B4 at 15 fbg to 0.088 mg/kg in sample B5 at 15 fbg. No TPHd was detected in any of the soil borings. The grab-groundwater sample collected from boring B9 contained 1,000 µg/L TPHg, 1 µg/L benzene, and 38 µg/L MTBE. Soil vapor samples were collected in November and December 2007. No benzene was detected in any of the vapor wells. Vapor probe VP-1 contained 1,000,000 micrograms per cubic meter (µg/m³) TPHg during the November sampling event and 1,100,000 µg/m³ during the December sampling event. Due to the lack of carcinogenic constituents detected in any of the vapor samples, it was determined remediation based solely on the soil vapor results is not necessary. On July 21, 2008, CRA destroyed onsite monitoring wells MW-1, MW-2 and MW-6 to facilitate construction of a Walgreens retail store at the site, as requested by the property owner. On February 26, 2009, CRA installed groundwater monitoring well MW-11 to define the extent of the dissolved hydrocarbon plume northeast (downgradient) of well MW-10, and destroyed vapor wells VP-1 through VP-3 to facilitate site construction.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608100128  
Contact Type: Local Agency Caseworker  
Contact Name: JACOB MADDEN  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: jmadden@smcgov.org  
Phone Number: 6503726298

Global Id: T0608100128  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100128  
Status: Open - Case Begin Date  
Status Date: 07/17/1990

Global Id: T0608100128  
Status: Open - Site Assessment  
Status Date: 08/16/1990

Global Id: T0608100128  
Status: Open - Verification Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**90571 (Continued)**

**U001593888**

Status Date: 04/27/2009  
  
Global Id: T0608100128  
Status: Open - Eligible for Closure  
Status Date: 04/11/2012  
  
Global Id: T0608100128  
Status: Completed - Case Closed  
Status Date: 05/10/2013

Regulatory Activities:

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 05/10/2013  
Action: Closure/No Further Action Letter - #20130510

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 02/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 08/15/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 08/09/2000  
Action: Staff Letter - #20000809

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 10/15/2008  
Action: Staff Letter - #20081015

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 05/21/2009  
Action: Staff Letter - #20090521

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 07/02/2009  
Action: Staff Letter - #20090702

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 05/18/2012  
Action: Staff Letter - #20120518

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 08/16/2006  
Action: Soil and Water Investigation Workplan

Global Id: T0608100128

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

Action Type: RESPONSE  
Date: 01/04/2007  
Action: Well Installation Report

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 06/07/2007  
Action: Electronic Reporting Submittal Due

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Soil and Water Investigation Report

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 04/07/2007  
Action: Other Workplan

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2006  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/05/2005  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2004  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 03/20/2006  
Action: Other Report / Document

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 10/29/2009  
Action: Staff Letter - #20091029

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/06/2011  
Action: Other Report / Document - Regulator Responded

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 08/10/2011  
Action: Site Assessment Report - Regulator Responded

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 01/27/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/18/2013  
Action: Well Destruction Report - Regulator Responded

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 01/20/2010  
Action: Staff Letter - #20100120

Global Id: T0608100128  
Action Type: Other  
Date: 07/17/1990  
Action: Leak Reported

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 03/25/2011  
Action: Staff Letter - #20110325

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2008  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2005  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2002  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2003  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2003  
Action: Monitoring Report - Semi-Annually



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2004  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2007  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2007  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/15/2006  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: REMEDIATION  
Date: 10/03/1990  
Action: Excavation

Global Id: T0608100128  
Action Type: REMEDIATION  
Date: 10/03/1990  
Action: Other (Use Description Field)

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 05/10/2011  
Action: Staff Letter - #20110510

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/03/2009  
Action: Well Installation Report

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 11/15/2008  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 08/16/2006  
Action: Other Report / Document

Global Id: T0608100128  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

Date: 07/20/2010  
Action: Well Installation Report

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 05/03/2009  
Action: Soil and Water Investigation Report

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 06/21/2009  
Action: Electronic Reporting Submittal Due

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 02/15/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 07/18/1991  
Action: Notice of Responsibility - #1

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 09/07/2006  
Action: Staff Letter - #20060907

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 05/07/2007  
Action: Staff Letter - #20070507

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 01/11/2006  
Action: Staff Letter - #20060111

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 06/13/2006  
Action: Staff Letter - #20060613

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 07/18/2007  
Action: Staff Letter - #20070718

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 04/11/2012  
Action: Notification - Public Notice of Case Closure - #20120411

Global Id: T0608100128  
Action Type: Other  
Date: 08/16/1990  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

90571 (Continued)

U001593888

Global Id: T0608100128  
Action Type: ENFORCEMENT  
Date: 02/07/2007  
Action: \* Verbal Communication - #20070207

Global Id: T0608100128  
Action Type: RESPONSE  
Date: 08/15/2011  
Action: Monitoring Report - Semi-Annually

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 660046  
Facility Status: 9- Case Closed  
Global ID: T0608100128  
APN Number: 029201320  
Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

HIST UST:

File Number: 0002BCB5  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002BCB5.pdf>  
Region: STATE  
Facility ID: 00000061848  
Facility Type: Gas Station  
Other Type: Not reported  
Contact Name: SEDLEMYER, ROBERT V  
Telephone: 4153446120  
Owner Name: CHEVRON U.S.A. INC.  
Owner Address: 575 MARKET  
Owner City,St,Zip: SAN FRANCISCO, CA 94105  
Total Tanks: 0003

Tank Num: 001  
Container Num: 1  
Year Installed: 1971  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000250  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1971  
Tank Capacity: 00005000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000250  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1979  
Tank Capacity: 00010000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**90571 (Continued)**

**U001593888**

Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: 0000250  
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

**V151**  
**SSW**  
**1/4-1/2**  
**0.491 mi.**  
**2590 ft.**

**REVEREND PHEOPHILOS RES**  
**149 WARREN**  
**SAN MATEO, CA 94401**

**LUST** **S104494615**  
**N/A**

**Site 1 of 2 in cluster V**

**Relative:**  
**Higher**

LUST REG 2:

Region: 2  
Facility Id: Not reported  
Facility Status: Post remedial action monitoring  
Case Number: 110092  
How Discovered: OM  
Leak Cause: Unknown  
Leak Source: Unknown  
Date Leak Confirmed: Not reported  
Oversight Program: LUST  
Prelim. Site Assesment Wokplan Submitted: Not reported  
Preliminary Site Assesment Began: Not reported  
Pollution Characterization Began: Not reported  
Pollution Remediation Plan Submitted: Not reported  
Date Remediation Action Underway: Not reported  
Date Post Remedial Action Monitoring Began: 1/1/1965

**Actual:**  
**58 ft.**

**V152**  
**SSW**  
**1/4-1/2**  
**0.491 mi.**  
**2590 ft.**

**RESIDENCE**  
**149 WARREN**  
**SAN MATEO, CA 94402**

**LUST** **S103894432**  
**San Mateo Co. BI** **N/A**  
**HIST CORTESE**

**Site 2 of 2 in cluster V**

**Relative:**  
**Higher**

LUST:

Region: STATE  
Global Id: T0608100773  
Latitude: 37.572021  
Longitude: -122.344042  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 01/19/2007  
Lead Agency: SAN MATEO COUNTY LOP  
Case Worker: MM  
Local Agency: SAN MATEO COUNTY LOP  
RB Case Number: 41-0825  
LOC Case Number: 110092  
File Location: Local Agency Warehouse  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

**Actual:**  
**58 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S103894432**

Contact:

Global Id: T0608100773  
Contact Type: Local Agency Caseworker  
Contact Name: MARC MULLANEY  
Organization Name: SAN MATEO COUNTY LOP  
Address: 2000 ALAMEDA DE LAS PULGAS  
City: SAN MATEO  
Email: mmullaney@smcgov.org  
Phone Number: 6503726289

Global Id: T0608100773  
Contact Type: Regional Board Caseworker  
Contact Name: Regional Water Board  
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)  
Address: 1515 CLAY ST SUITE 1400  
City: OAKLAND  
Email: Not reported  
Phone Number: Not reported

Status History:

Global Id: T0608100773  
Status: Open - Case Begin Date  
Status Date: 06/09/1994

Global Id: T0608100773  
Status: Open - Verification Monitoring  
Status Date: 06/09/1994

Global Id: T0608100773  
Status: Completed - Case Closed  
Status Date: 01/19/2007

Regulatory Activities:

Global Id: T0608100773  
Action Type: Other  
Date: 05/27/1997  
Action: Leak Reported

Global Id: T0608100773  
Action Type: ENFORCEMENT  
Date: 01/19/2007  
Action: Closure/No Further Action Letter - #20070119

Global Id: T0608100773  
Action Type: ENFORCEMENT  
Date: 06/09/1994  
Action: Notice of Responsibility - #1

SAN MATEO CO. LUST:

Region: SAN MATEO  
Facility ID: 110092  
Facility Status: 9- Case Closed  
Global ID: T0608100773  
APN Number: 032083160

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RESIDENCE (Continued)

S103894432

Case Type: SAN MATEO CO. LUST  
EDR Link ID: SAN MATEO CO. LUST

San Mateo Co. BI:  
Region: SAN MATEO  
Facility ID: FA0016525  
Prog Element Code: UNDERGROUND TANK - GENERAL  
Record Id: PR0022219  
Description: UNDERGROUND TANK - GENERAL  
Facility Status: INACTIVE

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 41  
Reg By: LTNKA  
Reg Id: 41-0825

153  
East  
1/2-1  
0.519 mi.  
2741 ft.

SAN MATEO HIGH  
506 NORTH DELAWARE STREET  
SAN MATEO, CA 94401

ENVIROSTOR S118756938  
SCH N/A

Relative:  
Lower

ENVIROSTOR:  
Facility ID: 41820001  
Status: No Action Required  
Status Date: 09/28/2001  
Site Code: 204081  
Site Type: School Investigation  
Site Type Detailed: School  
Acres: 5.5  
NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: DTSC  
Program Manager: Not reported  
Supervisor: Charles Ridenour  
Division Branch: Northern California Schools & Santa Susana  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: School District  
Latitude: 37.57842  
Longitude: -122.3292  
APN: 033010020  
Past Use: \* EDUCATIONAL SERVICES  
Potential COC: NONE SPECIFIED No Contaminants found  
Confirmed COC: NONE SPECIFIED  
Potential Description: NMA  
Alias Name: SAN MATEO HIGH  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UHSD-SAN MATEO HIGH REDEV  
Alias Type: Alternate Name  
Alias Name: 033010020  
Alias Type: APN  
Alias Name: 204081

Actual:  
28 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN MATEO HIGH (Continued)**

**S118756938**

Alias Type: Project Code (Site Code)  
Alias Name: 41820001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 09/28/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/31/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 09/28/2001  
Comments: Not reported

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

SCH:

Facility ID: 41820001  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 5.5  
National Priorities List: NO  
Cleanup Oversight Agencies: DTSC  
Lead Agency: DTSC  
Lead Agency Description: \* DTSC  
Project Manager: Not reported  
Supervisor: Charles Ridenour  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 204081  
Assembly: 22  
Senate: 13  
Special Program Status: Not reported  
Status: No Action Required  
Status Date: 09/28/2001  
Restricted Use: NO  
Funding: School District  
Latitude: 37.57842  
Longitude: -122.3292

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAN MATEO HIGH (Continued)**

**S118756938**

APN: 033010020  
Past Use: \* EDUCATIONAL SERVICES  
Potential COC: NONE SPECIFIED, No Contaminants found  
Confirmed COC: NONE SPECIFIED  
Potential Description: NMA  
Alias Name: SAN MATEO HIGH  
Alias Type: Alternate Name  
Alias Name: SAN MATEO UHSD-SAN MATEO HIGH REDEV  
Alias Type: Alternate Name  
Alias Name: 033010020  
Alias Type: APN  
Alias Name: 204081  
Alias Type: Project Code (Site Code)  
Alias Name: 41820001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 09/28/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/31/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 09/28/2001  
Comments: Not reported

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

154  
SE  
1/2-1  
0.656 mi.  
3466 ft.

**TOP HAT CLEANERS**  
**368 N ELLSWORTH AVE**  
**SAN MATEO, CA 94401**

**ENVIROSTOR S118756935**  
**N/A**

**Relative:**  
**Lower**

ENVIROSTOR:  
Facility ID: 41720092  
Status: No Action Required  
Status Date: 01/13/2003  
Site Code: Not reported  
Site Type: Evaluation  
Site Type Detailed: Evaluation

**Actual:**  
**24 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TOP HAT CLEANERS (Continued)**

**S118756935**

Acres: 0.03  
NPL: NO  
Regulatory Agencies: SAN MATEO COUNTY  
Lead Agency: SAN MATEO COUNTY  
Program Manager: Not reported  
Supervisor: Denise Tsuji  
Division Branch: Cleanup Berkeley  
Assembly: 22  
Senate: 13  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 37.57194  
Longitude: -122.3308  
APN: NONE SPECIFIED  
Past Use: DRY CLEANING  
Potential COC: Tetrachloroethylene (PCE)  
Confirmed COC: 30022-NO  
Potential Description: OTH, SOIL  
Alias Name: 110001156454  
Alias Type: EPA (FRS #)  
Alias Name: 41720092  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 01/13/2003  
Comments: No action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 10/15/1980  
Comments: FACILITY IDENTIFIED ACTIVE SITE ID'D BY DRIVE BY

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

155  
NNE  
1/2-1  
0.864 mi.  
4564 ft.

**CARUFF CALIFORNIA CORP.**  
**350 AIRPORT BOULEVARD**  
**BURLINGAME, CA 92201**

**Notify 65 S100179131**  
**N/A**

**Relative:**  
**Lower**

NOTIFY 65:  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported

**Actual:**  
**8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARUFF CALIFORNIA CORP. (Continued)**

**S100179131**

Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BURLINGAME	S100186218	BROWNING-FERRIS INDUSTRIES	AIRPORT BOULEVARD NEAR BROADWA	94010	ENVIROSTOR
SAN MATEO	S101482227	BROWNING-FERRIS IND (SAN MATEO LAN	EAST 3RD AVENUE	94401	ENVIROSTOR

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	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: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

## ***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: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/13/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 05/29/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/28/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/12/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 09/26/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 03/29/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 10/31/2016  
Date Data Arrived at EDR: 11/01/2016  
Date Made Active in Reports: 01/18/2017  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 10/31/2016  
Date Data Arrived at EDR: 11/01/2016  
Date Made Active in Reports: 01/18/2017  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 11/14/2016  
Date Data Arrived at EDR: 11/15/2016  
Date Made Active in Reports: 01/20/2017  
Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 02/15/2017  
Next Scheduled EDR Contact: 05/29/2017  
Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

### LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: see region list
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

### LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2015  
Date Data Arrived at EDR: 02/12/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 112

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

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

Date of Government Version: 10/13/2015  
Date Data Arrived at EDR: 10/23/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 118

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

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: 02/25/2016  
Date Data Arrived at EDR: 04/27/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Quarterly

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

Date of Government Version: 01/07/2016  
Date Data Arrived at EDR: 01/08/2016  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 41

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 10/27/2015  
Date Data Arrived at EDR: 10/29/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 67

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016  
Date Data Arrived at EDR: 04/27/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 37

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 02/05/2016  
Date Data Arrived at EDR: 04/29/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 35

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 01/24/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC: Statewide SLIC Cases

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/26/2017
	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	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	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

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

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/11/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016	Source: SWRCB
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-341-5851
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 03/16/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/26/2017
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/24/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

## 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: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 120	Next Scheduled EDR Contact: 05/08/2017
	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: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/08/2017
	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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	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: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 119	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## **State and tribal voluntary cleanup sites**

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/31/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/01/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/18/2017	Last EDR Contact: 01/31/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### BROWNFIELDS: Considered Brownfields 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: 01/03/2017  
Date Data Arrived at EDR: 01/04/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 57

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 03/29/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 03/02/2017  
Date Data Arrived at EDR: 03/02/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/02/2017  
Next Scheduled EDR Contact: 07/03/2017  
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: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: No Update Planned

#### SWRCY: Recycler Database

A listing of recycling facilities in California.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/12/2016  
Date Data Arrived at EDR: 12/14/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 78

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/14/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Quarterly

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

Date of Government Version: 08/25/2016  
Date Data Arrived at EDR: 08/26/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 49

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/13/2017  
Next Scheduled EDR Contact: 05/29/2017  
Data Release Frequency: Varies

**INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**  
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/31/2016  
Next Scheduled EDR Contact: 02/13/2017  
Data Release Frequency: Varies

**ODI: Open Dump Inventory**

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: No Update Planned

**IHS OPEN DUMPS: Open Dumps on Indian Land**

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## ***Local Lists of Hazardous waste / Contaminated Sites***

**US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: No Update Planned

## HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005  
Date Data Arrived at EDR: 08/03/2006  
Date Made Active in Reports: 08/24/2006  
Number of Days to Update: 21

Source: Department of Toxic Substance Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/23/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: No Update Planned

## SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/31/2016  
Date Data Arrived at EDR: 11/01/2016  
Date Made Active in Reports: 01/18/2017  
Number of Days to Update: 78

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 08/31/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 34

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Varies

## TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **UST MENDOCINO: Mendocino County UST Database**

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 707-463-4466
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 02/27/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/12/2017
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	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: 11/29/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 03/06/2017
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/19/2017
	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: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 01/24/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/06/2016	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/07/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/19/2017
	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: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/10/2017
	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: 09/26/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/26/2016	Telephone: 916-845-8400
Date Made Active in Reports: 01/17/2017	Last EDR Contact: 01/25/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2016	Telephone: 866-480-1028
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 03/14/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/02/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

### 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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/24/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/05/2017
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/24/2017
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/24/2017
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/03/2017  
Next Scheduled EDR Contact: 05/29/2017  
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: 10/11/2016  
Date Data Arrived at EDR: 11/16/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 02/15/2017  
Next Scheduled EDR Contact: 05/29/2017  
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: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 02/10/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/24/2017  
Next Scheduled EDR Contact: 07/03/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/24/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/13/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
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: 02/01/2017  
Date Data Arrived at EDR: 02/09/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 57

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/10/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/10/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/24/2017
	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	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: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	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	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: 02/17/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 02/03/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	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: 03/06/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/19/2017
	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: 03/06/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/19/2017
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/08/2017
	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: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 04/06/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/17/2017
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, 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 Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/22/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/14/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/17/2017  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/07/2017  
Next Scheduled EDR Contact: 07/17/2017  
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 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/07/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/07/2017  
Next Scheduled EDR Contact: 04/10/2017  
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: 02/08/2017  
Date Data Arrived at EDR: 02/28/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 02/28/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/03/2017  
Next Scheduled EDR Contact: 06/12/2017  
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: 03/03/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017  
Date Data Arrived at EDR: 03/17/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 21

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 03/13/2017  
Next Scheduled EDR Contact: 06/26/2017  
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: 07/15/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 65

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 04/07/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015  
Date Data Arrived at EDR: 01/29/2016  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 67

Source: Department of Defense  
Telephone: 571-373-0407  
Last EDR Contact: 04/17/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Varies

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016  
Date Data Arrived at EDR: 06/03/2016  
Date Made Active in Reports: 09/02/2016  
Number of Days to Update: 91

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 02/24/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/20/2016	Telephone: 202-564-2280
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 03/21/2017
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/21/2016	Source: EPA
Date Data Arrived at EDR: 11/22/2016	Telephone: 800-385-6164
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 02/22/2017
Number of Days to Update: 73	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/28/2016	Telephone: 916-323-3400
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/29/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/10/2017
	Data Release Frequency: Quarterly

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/02/2016	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/27/2016	Telephone: 916-327-4498
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 03/27/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/19/2017
	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: 12/31/2014	Source: California Air Resources Board
Date Data Arrived at EDR: 09/23/2016	Telephone: 916-322-2990
Date Made Active in Reports: 10/24/2016	Last EDR Contact: 03/21/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/03/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/06/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/09/2016	Telephone: 916-445-9379
Date Made Active in Reports: 01/18/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/29/2016	Telephone: 916-255-3628
Date Made Active in Reports: 06/21/2016	Last EDR Contact: 01/23/2017
Number of Days to Update: 53	Next Scheduled EDR Contact: 05/08/2017
	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: 11/16/2016	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 11/18/2016	Telephone: 916-341-6066
Date Made Active in Reports: 01/20/2017	Last EDR Contact: 02/13/2017
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/29/2017
	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: 12/31/2015	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/12/2016	Telephone: 916-255-1136
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 04/14/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirositor.

Date of Government Version: 11/21/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/22/2016	Telephone: 877-786-9427
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 02/22/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/05/2017
	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/22/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 02/22/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/05/2017
	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: 10/12/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/12/2016	Telephone: 916-440-7145
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 04/13/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016	Source: Department of Conservation
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-322-1080
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 03/13/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Varies

## 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: 12/02/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-558-1784
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 03/07/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/15/2016	Telephone: 916-445-9379
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 02/15/2017
Number of Days to Update: 107	Next Scheduled EDR Contact: 05/29/2017
	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: 12/06/2016	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-445-4038
Date Made Active in Reports: 03/03/2017	Last EDR Contact: 03/07/2017
Number of Days to Update: 87	Next Scheduled EDR Contact: 06/19/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/12/2016  
Date Data Arrived at EDR: 12/14/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 78

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/14/2017  
Next Scheduled EDR Contact: 06/26/2017  
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: 12/16/2016  
Date Data Arrived at EDR: 12/22/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 04/03/2017  
Next Scheduled EDR Contact: 07/03/2017  
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: 10/06/2016  
Date Data Arrived at EDR: 12/14/2016  
Date Made Active in Reports: 04/14/2017  
Number of Days to Update: 121

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 03/14/2017  
Next Scheduled EDR Contact: 06/26/2017  
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: 04/14/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 02/17/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Quarterly

## WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 03/24/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive 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 Hist Cleaner: 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 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/12/2016  
Date Data Arrived at EDR: 10/14/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 35

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016  
Date Data Arrived at EDR: 10/12/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 90

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017  
Date Data Arrived at EDR: 03/08/2017  
Date Made Active in Reports: 04/14/2017  
Number of Days to Update: 37

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing

Cupa facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 11/18/2016  
Number of Days to Update: 23

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing Cupa Facility Listing

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: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List Cupa facility list.

Date of Government Version: 09/02/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 38

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 11/17/2016  
Date Data Arrived at EDR: 11/22/2016  
Date Made Active in Reports: 01/26/2017  
Number of Days to Update: 35

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List Cupa Facility list

Date of Government Version: 01/31/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/14/2017  
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/22/2016  
Date Data Arrived at EDR: 11/23/2016  
Date Made Active in Reports: 01/17/2017  
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 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: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 03/31/2017  
Next Scheduled EDR Contact: 07/17/2017  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017  
Date Data Arrived at EDR: 01/10/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 51

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017  
Date Data Arrived at EDR: 01/25/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 36

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## KERN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 63

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 12/14/2016  
Date Data Arrived at EDR: 12/16/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 6

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017  
Date Data Arrived at EDR: 01/20/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 41

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/17/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 03/20/2017  
Next Scheduled EDR Contact: 07/03/2017  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 66

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2016  
Date Data Arrived at EDR: 10/18/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 58

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/18/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016  
Date Data Arrived at EDR: 01/26/2016  
Date Made Active in Reports: 03/22/2016  
Number of Days to Update: 56

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/17/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016  
Date Data Arrived at EDR: 04/06/2016  
Date Made Active in Reports: 06/13/2016  
Number of Days to Update: 68

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 04/17/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015  
Date Data Arrived at EDR: 04/02/2015  
Date Made Active in Reports: 04/13/2015  
Number of Days to Update: 11

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 04/17/2017  
Next Scheduled EDR Contact: 07/31/2017  
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: 11/04/2015  
Date Data Arrived at EDR: 11/13/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 34

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016  
Date Data Arrived at EDR: 10/11/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 93

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 04/10/2017  
Next Scheduled EDR Contact: 07/24/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2016  
Date Data Arrived at EDR: 12/09/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 41

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016  
Date Data Arrived at EDR: 10/25/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 79

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 03/31/2017  
Next Scheduled EDR Contact: 07/17/2017  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 01/17/2017  
Number of Days to Update: 42

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 17

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 02/24/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016  
Date Data Arrived at EDR: 06/27/2016  
Date Made Active in Reports: 08/09/2016  
Number of Days to Update: 43

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/09/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: No Update Planned

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 03/09/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 44

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016  
Date Data Arrived at EDR: 11/11/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 73

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016  
Date Data Arrived at EDR: 11/11/2016  
Date Made Active in Reports: 01/23/2017  
Number of Days to Update: 73

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016  
Date Data Arrived at EDR: 11/08/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 65

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/07/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

## PLACER COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016  
Date Data Arrived at EDR: 09/06/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 38

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
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: 01/19/2017  
Date Data Arrived at EDR: 01/25/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 36

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/20/2017  
Next Scheduled EDR Contact: 07/03/2017  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016  
Date Data Arrived at EDR: 10/25/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 77

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/20/2017  
Next Scheduled EDR Contact: 07/03/2017  
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: 11/07/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 56

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2017  
Next Scheduled EDR Contact: 07/17/2017  
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: 11/08/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 56

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2017  
Next Scheduled EDR Contact: 07/17/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2016  
Date Data Arrived at EDR: 12/13/2016  
Date Made Active in Reports: 03/03/2017  
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 10/05/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 86

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 03/10/2017  
Next Scheduled EDR Contact: 06/19/2017  
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: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/12/2017  
Number of Days to Update: 52

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/21/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/14/2017  
Number of Days to Update: 49

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 03/20/2017  
Next Scheduled EDR Contact: 07/03/2017  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/17/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
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: 06/02/2016  
Date Data Arrived at EDR: 06/07/2016  
Date Made Active in Reports: 06/22/2016  
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/09/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Annually

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2016  
Date Data Arrived at EDR: 12/16/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 76

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
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: 02/24/2017  
Next Scheduled EDR Contact: 06/12/2017  
Data Release Frequency: Annually

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 11/10/2016  
Date Made Active in Reports: 01/24/2017  
Number of Days to Update: 75

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/06/2017  
Next Scheduled EDR Contact: 05/22/2017  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/16/2016  
Date Data Arrived at EDR: 11/21/2016  
Date Made Active in Reports: 01/19/2017  
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/13/2016  
Date Data Arrived at EDR: 12/16/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 76

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/21/2016  
Date Made Active in Reports: 12/22/2016  
Number of Days to Update: 1

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/09/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Quarterly

## Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016  
Date Data Arrived at EDR: 12/22/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 19

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/09/2017  
Next Scheduled EDR Contact: 06/26/2017  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

Date of Government Version: 12/22/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
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: 01/04/2017  
Date Data Arrived at EDR: 01/06/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 55

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/27/2017  
Next Scheduled EDR Contact: 07/10/2017  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016  
Date Data Arrived at EDR: 12/06/2016  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 35

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 03/06/2017  
Next Scheduled EDR Contact: 06/19/2017  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017  
Date Data Arrived at EDR: 01/27/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 34

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## VENTURA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 09/26/2016	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/17/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/08/2017
	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: 03/31/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/17/2017
	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: 02/13/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/29/2017
	Data Release Frequency: Quarterly

## Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/27/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/24/2017	Last EDR Contact: 01/23/2017
Number of Days to Update: 89	Next Scheduled EDR Contact: 05/08/2017
	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: 11/28/2016	Source: Environmental Health Division
Date Data Arrived at EDR: 12/14/2016	Telephone: 805-654-2813
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/15/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/26/2017
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016	Source: Yolo County Department of Health
Date Data Arrived at EDR: 11/18/2016	Telephone: 530-666-8646
Date Made Active in Reports: 01/12/2017	Last EDR Contact: 03/31/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016  
Date Data Arrived at EDR: 11/03/2016  
Date Made Active in Reports: 12/15/2016  
Number of Days to Update: 42

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/11/2016  
Next Scheduled EDR Contact: 02/27/2017  
Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 01/03/2017  
Number of Days to Update: 96

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/11/2017  
Next Scheduled EDR Contact: 07/24/2017  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017  
Date Data Arrived at EDR: 02/01/2017  
Date Made Active in Reports: 02/13/2017  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 07/22/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 123

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/18/2017  
Next Scheduled EDR Contact: 07/31/2017  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/21/2017  
Next Scheduled EDR Contact: 06/05/2017  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 04/14/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 50

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/13/2017  
Next Scheduled EDR Contact: 06/26/2017  
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

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.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Licensed Facilities

Source: Department of Social Services  
Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory  
Source: Department of Fish & 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<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

FORE GREEN DEVELOPMENT, LLC  
920 BAYSWATER AVENUE  
BURLINGAME, CA 94010

### TARGET PROPERTY COORDINATES

Latitude (North): 37.578794 - 37° 34' 43.66"  
Longitude (West): 122.340651 - 122° 20' 26.34"  
Universal Tranverse Mercator: Zone 10  
UTM X (Meters): 558220.4  
UTM Y (Meters): 4159082.8  
Elevation: 32 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 5640626 SAN MATEO, CA  
Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

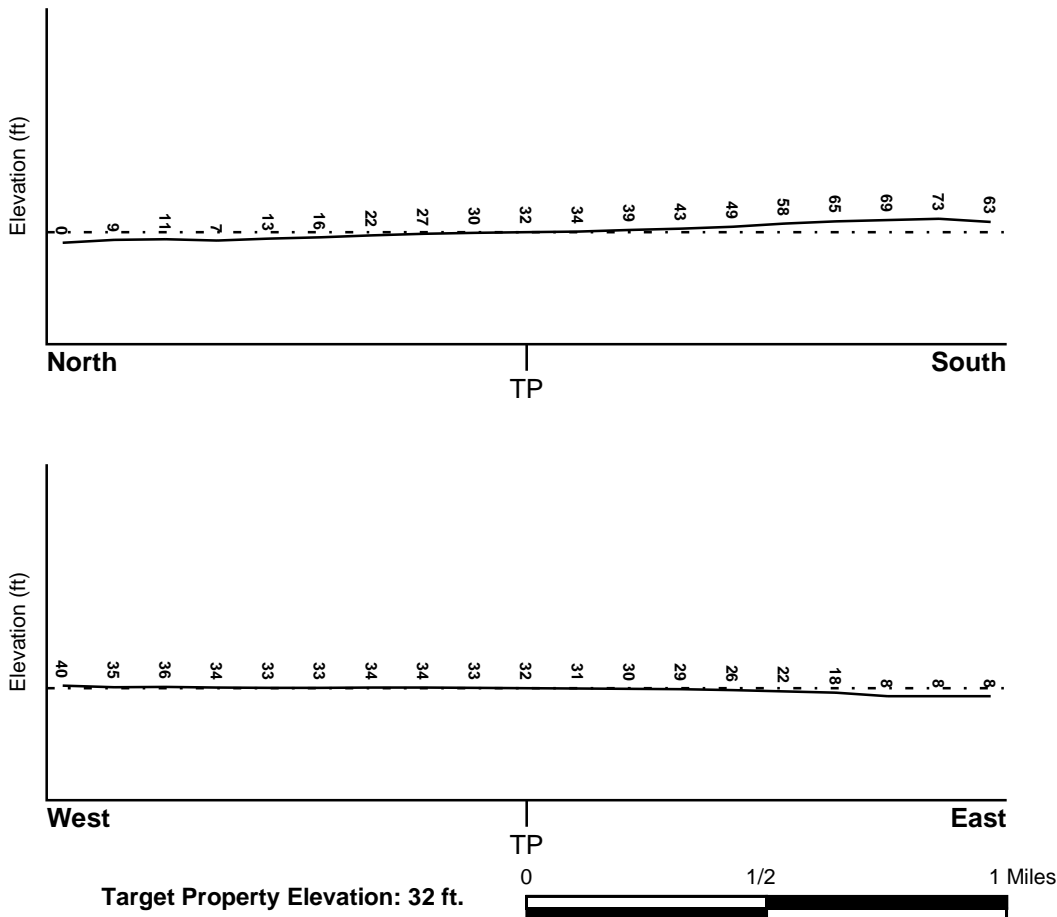
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06081C0154F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06081C0153E	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SAN MATEO	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	0 - 1/8 Mile South	E
A2	0 - 1/8 Mile SW	SE
A3	1/8 - 1/4 Mile SSE	E
A4	1/8 - 1/4 Mile SSE	E
B5	1/8 - 1/4 Mile SSE	NE
6	1/8 - 1/4 Mile West	E, Flat
B7	1/8 - 1/4 Mile SE	NE
B8	1/8 - 1/4 Mile SE	Varies

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
9	1/4 - 1/2 Mile West	Not Reported
11	1/2 - 1 Mile WSW	N
C12	1/2 - 1 Mile WNW	Not Reported
C14	1/2 - 1 Mile WNW	NNW
15	1/2 - 1 Mile ESE	NE
16	1/2 - 1 Mile WNW	N
17	1/2 - 1 Mile NNE	N
18	1/2 - 1 Mile WNW	Not Reported
19	1/2 - 1 Mile SSE	E
20	1/2 - 1 Mile WSW	Not Reported
D21	1/2 - 1 Mile WNW	N
22	1/2 - 1 Mile North	NNE
23	1/2 - 1 Mile SSW	NNE
D24	1/2 - 1 Mile WNW	NNE
D25	1/2 - 1 Mile WNW	NNE
F27	1/2 - 1 Mile SSW	Not Reported
28	1/2 - 1 Mile West	NNE
29	1/2 - 1 Mile West	Not Reported
30	1/2 - 1 Mile NNW	NNW
F34	1/2 - 1 Mile SSW	NE
35	1/2 - 1 Mile SW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

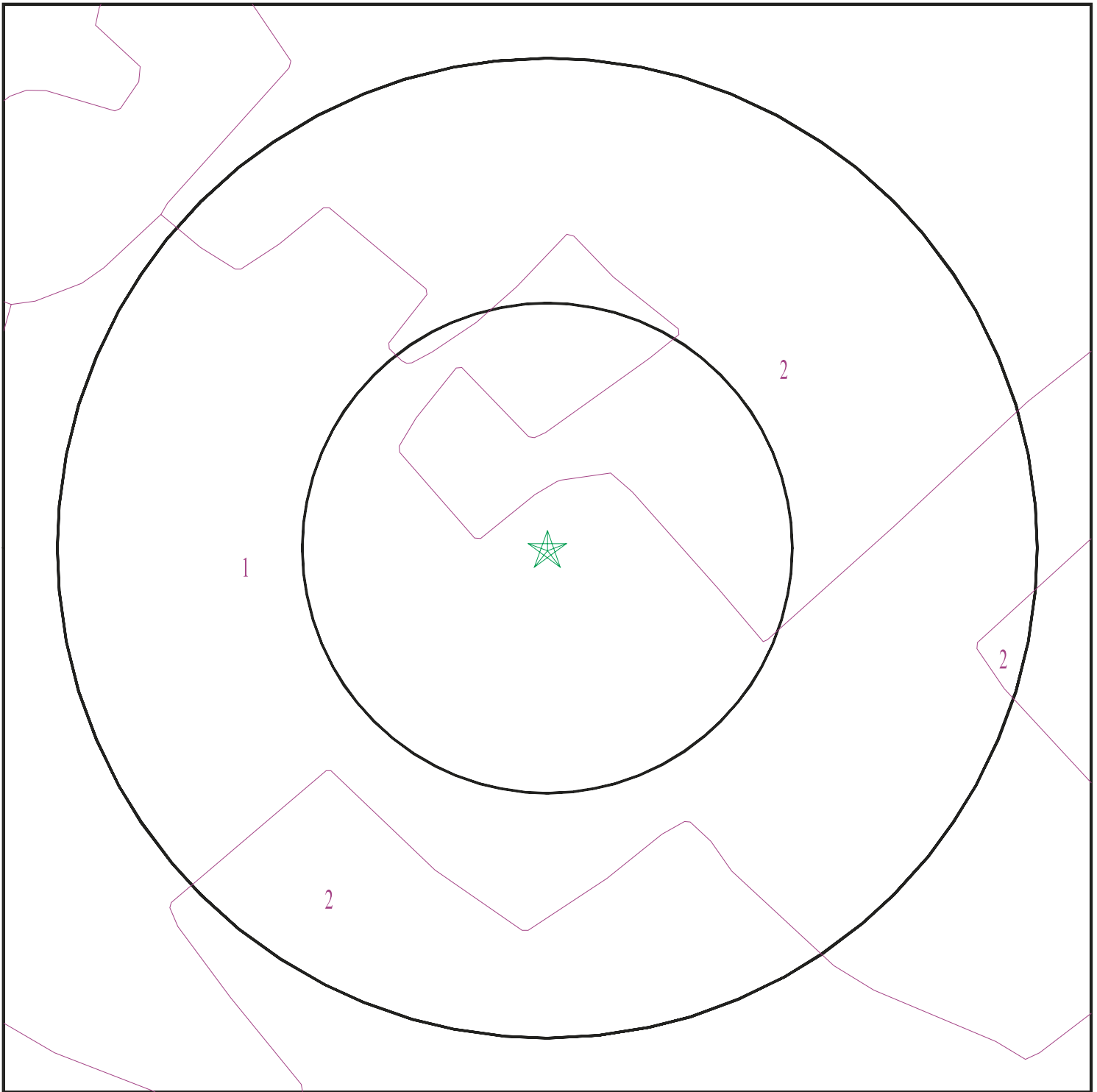
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 4913349.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Fore Green Development, LLC  
ADDRESS: 920 Bayswater Avenue  
Burlingame CA 94010  
LAT/LONG: 37.578794 / 122.340651

CLIENT: PES Environmental, Inc.  
CONTACT: Gregory George  
INQUIRY #: 4913349.2s  
DATE: April 20, 2017 5:33 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:  
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

### Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:  
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

## 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
E26	USGS40000183920	1/2 - 1 Mile ENE
E31	USGS40000183911	1/2 - 1 Mile ENE
32	USGS40000183893	1/2 - 1 Mile East
33	USGS40000183909	1/2 - 1 Mile East

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
10	4839	1/4 - 1/2 Mile NW
13	4840	1/2 - 1 Mile East

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

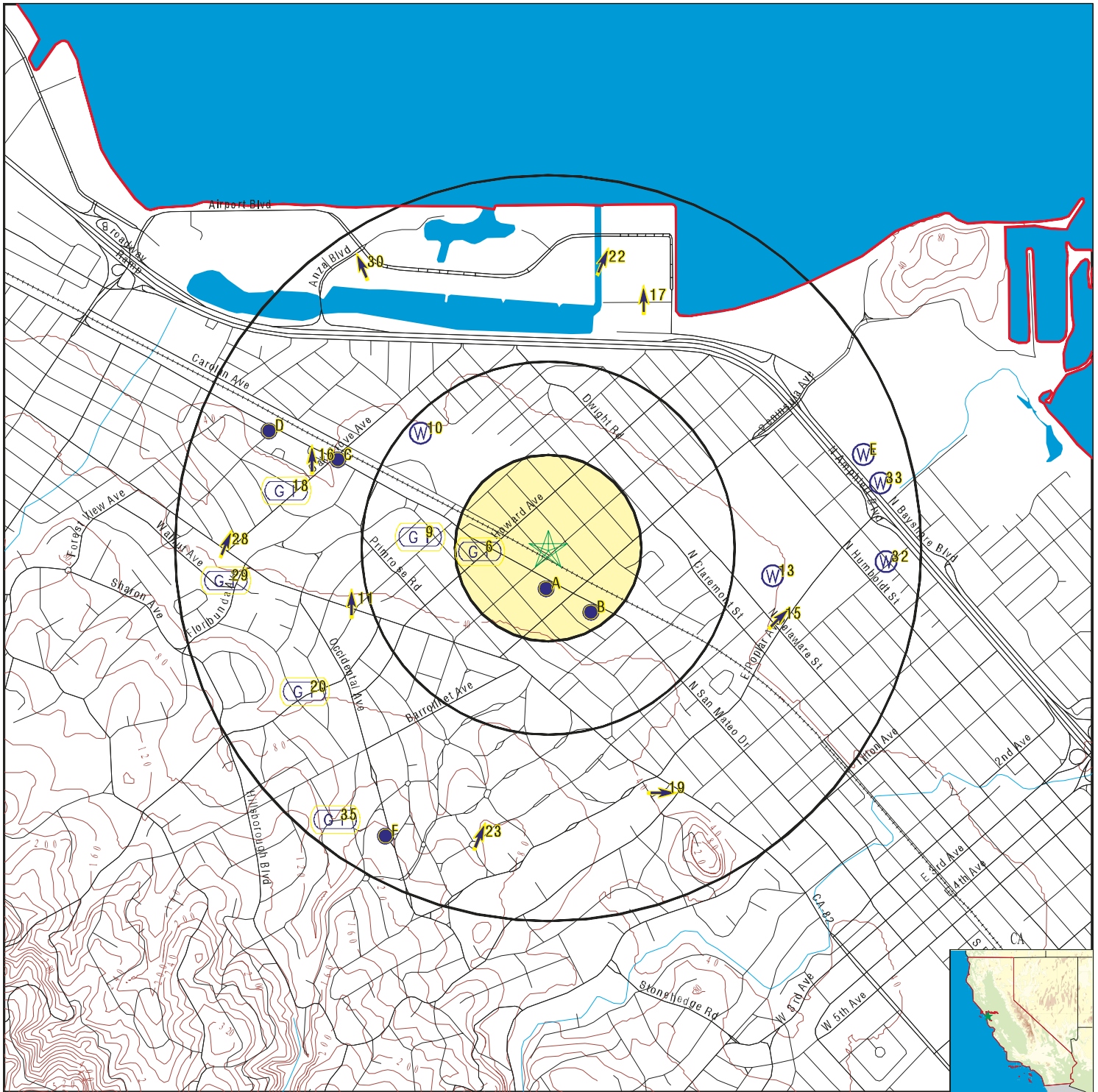
## STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION  
FROM TP

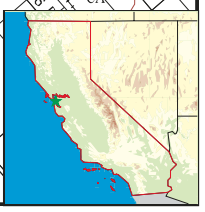
# PHYSICAL SETTING SOURCE MAP - 4913349.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Fore Green Development, LLC  
 ADDRESS: 920 Bayswater Avenue  
 Burlingame CA 94010  
 LAT/LONG: 37.578794 / 122.340651

CLIENT: PES Environmental, Inc.  
 CONTACT: Gregory George  
 INQUIRY #: 4913349.2s  
 DATE: April 20, 2017 5:33 am

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
<b>A1</b>	Site ID:	66048			
<b>South</b>	Groundwater Flow:	E		<b>AQUIFLOW</b>	<b>55448</b>
<b>0 - 1/8 Mile</b>	Shallow Water Depth:	24.85			
<b>Higher</b>	Deep Water Depth:	15.55			
	Average Water Depth:	Not Reported			
	Date:	09/28/1995			
<hr/>					
<b>A2</b>	Site ID:	660043			
<b>SW</b>	Groundwater Flow:	SE		<b>AQUIFLOW</b>	<b>55474</b>
<b>0 - 1/8 Mile</b>	Shallow Water Depth:	27.9			
<b>Higher</b>	Deep Water Depth:	21.0			
	Average Water Depth:	Not Reported			
	Date:	05/06/1995			
<hr/>					
<b>A3</b>	Site ID:	660005			
<b>SSE</b>	Groundwater Flow:	E		<b>AQUIFLOW</b>	<b>55523</b>
<b>1/8 - 1/4 Mile</b>	Shallow Water Depth:	17.95			
<b>Higher</b>	Deep Water Depth:	15.64			
	Average Water Depth:	Not Reported			
	Date:	03/18/1999			
<hr/>					
<b>A4</b>	Site ID:	41-0519			
<b>SSE</b>	Groundwater Flow:	E		<b>AQUIFLOW</b>	<b>55525</b>
<b>1/8 - 1/4 Mile</b>	Shallow Water Depth:	17.95			
<b>Higher</b>	Deep Water Depth:	15.64			
	Average Water Depth:	Not Reported			
	Date:	03/18/1999			
<hr/>					
<b>B5</b>	Site ID:	41-0401			
<b>SSE</b>	Groundwater Flow:	NE		<b>AQUIFLOW</b>	<b>67928</b>
<b>1/8 - 1/4 Mile</b>	Shallow Water Depth:	Not Reported			
<b>Higher</b>	Deep Water Depth:	Not Reported			
	Average Water Depth:	20			
	Date:	11/06/1986			
<hr/>					
<b>6</b>	Site ID:	660060			
<b>West</b>	Groundwater Flow:	E, Flat		<b>AQUIFLOW</b>	<b>55439</b>
<b>1/8 - 1/4 Mile</b>	Shallow Water Depth:	23			
<b>Higher</b>	Deep Water Depth:	22			
	Average Water Depth:	Not Reported			
	Date:	02/04/1998			
<hr/>					
<b>B7</b>	Site ID:	000289			
<b>SE</b>	Groundwater Flow:	NE		<b>AQUIFLOW</b>	<b>67926</b>
<b>1/8 - 1/4 Mile</b>	Shallow Water Depth:	Not Reported			
<b>Higher</b>	Deep Water Depth:	Not Reported			
	Average Water Depth:	20			
	Date:	11/06/1986			

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>B8 SE 1/8 - 1/4 Mile Higher</b>	Site ID: 41-0349		<b>AQUIFLOW</b>	<b>68182</b>
	Groundwater Flow: Varies			
	Shallow Water Depth: 21.75			
	Deep Water Depth: 24.47			
	Average Water Depth: Not Reported			
	Date: 02/19/1999			

<b>9 West 1/4 - 1/2 Mile Higher</b>	Site ID: 660081		<b>AQUIFLOW</b>	<b>55534</b>
	Groundwater Flow: Not Reported			
	Shallow Water Depth: Not Reported			
	Deep Water Depth: Not Reported			
	Average Water Depth: 14			
	Date: 08/12/1997			

<b>10 NW 1/4 - 1/2 Mile Lower</b>			<b>CA WELLS</b>	<b>4839</b>
---	--	--	-----------------	-------------

**Water System Information:**

Prime Station Code: 04S/04W-18L03 M	User ID: ENG
FRDS Number: 4100569001	County: San Mateo
District Number: 04	Station Type: WELL/AMBANT/MUN/INTAKE
Water Type: Well/Groundwater	Well Status: Active Raw
Source Lat/Long: 373500.0 1222045.0	Precision: 100 Feet (one Second)
Source Name: WELL 01	
System Number: 4100569	
System Name: BURLINGAME HIGH SCHOOL	
Organization That Operates System: Not Reported	
Pop Served: 86	Connections: Unknown, Small System
Area Served: Not Reported	

<b>11 WSW 1/2 - 1 Mile Higher</b>	Site ID: 660023		<b>AQUIFLOW</b>	<b>55503</b>
	Groundwater Flow: N			
	Shallow Water Depth: 19.5			
	Deep Water Depth: 12.5			
	Average Water Depth: Not Reported			
	Date: 06/26/1992			

<b>C12 WNW 1/2 - 1 Mile Lower</b>	Site ID: 660017		<b>AQUIFLOW</b>	<b>55454</b>
	Groundwater Flow: Not Reported			
	Shallow Water Depth: 13.5			
	Deep Water Depth: 12.5			
	Average Water Depth: Not Reported			
	Date: 02/22/1990			

<b>13 East 1/2 - 1 Mile Lower</b>			<b>CA WELLS</b>	<b>4840</b>
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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Water System Information:

Prime Station Code: 04S/04W-20D02 M	User ID: 41C
FRDS Number: 4100518001	County: San Mateo
District Number: 71	Station Type: WELL/AMBNT/MUN/INTAKE
Water Type: Well/Groundwater	Well Status: Active Raw
Source Lat/Long: 373440.0 1221943.0	Precision: 100 Feet (one Second)
Source Name: WELL 01	
System Number: 4100518	
System Name: SAN MATEO HIGH SCHOOL	
Organization That Operates System:	
Pop Served: Unknown, Small System	Connections: Unknown, Small System
Area Served: Not Reported	

<b>C14 WNW 1/2 - 1 Mile Lower</b>	Site ID: 660006		
	Groundwater Flow: NNW	<b>AQUIFLOW</b>	<b>55456</b>
	Shallow Water Depth: 11.0		
	Deep Water Depth: 9.0		
	Average Water Depth: Not Reported		
	Date: 07/24/1997		

<b>15 ESE 1/2 - 1 Mile Lower</b>	Site ID: 110112		
	Groundwater Flow: NE	<b>AQUIFLOW</b>	<b>67611</b>
	Shallow Water Depth: 21		
	Deep Water Depth: 21		
	Average Water Depth: 21		
	Date: 10/10/1997		

<b>16 WNW 1/2 - 1 Mile Lower</b>	Site ID: 660061		
	Groundwater Flow: N	<b>AQUIFLOW</b>	<b>55459</b>
	Shallow Water Depth: 7.60		
	Deep Water Depth: 3.85		
	Average Water Depth: Not Reported		
	Date: 05/12/1995		

<b>17 NNE 1/2 - 1 Mile Lower</b>	Site ID: 660069		
	Groundwater Flow: N	<b>AQUIFLOW</b>	<b>55445</b>
	Shallow Water Depth: 6.75		
	Deep Water Depth: 6.50		
	Average Water Depth: Not Reported		
	Date: 03/29/1996		

<b>18 WNW 1/2 - 1 Mile Lower</b>	Site ID: 660042		
	Groundwater Flow: Not Reported	<b>AQUIFLOW</b>	<b>55547</b>
	Shallow Water Depth: 17		
	Deep Water Depth: 12.5		
	Average Water Depth: Not Reported		
	Date: 10/05/1990		

<b>19 SSE 1/2 - 1 Mile Lower</b>	Site ID: 41-0610		
	Groundwater Flow: E	<b>AQUIFLOW</b>	<b>67831</b>
	Shallow Water Depth: 7.11		
	Deep Water Depth: 9.98		
	Average Water Depth: Not Reported		
	Date: 04/02/1999		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
<b>20</b> <b>WSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	668078 Not Reported Not Reported Not Reported 13 04/01/1997	<b>AQUIFLOW</b>	<b>55539</b>
<b>D21</b> <b>WNW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	660034 N Not Reported Not Reported 8.40 01/03/1993	<b>AQUIFLOW</b>	<b>55462</b>
<b>22</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	660033 NNE 5.8 5.1 Not Reported 03/19/1993	<b>AQUIFLOW</b>	<b>55442</b>
<b>23</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	41-0196 NNE 12.97 16.67 Not Reported 04/22/1999	<b>AQUIFLOW</b>	<b>67779</b>
<b>D24</b> <b>WNW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	41-0717 NNE Not Reported Not Reported 13 08/31/1993	<b>AQUIFLOW</b>	<b>55291</b>
<b>D25</b> <b>WNW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	41-0710 NNE Not Reported Not Reported 13 08/31/1993	<b>AQUIFLOW</b>	<b>55293</b>
<b>E26</b> <b>ENE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>			<b>FED USGS</b>	<b>USGS40000183920</b>

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373458122192901		
Monloc name:	004S004W17L001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18050004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5827132
Longitude:	-122.3258032	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	335
Welldepth units:	ft	Wellholedepth:	335
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

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<b>F27 SSW 1/2 - 1 Mile Higher</b>	Site ID:	41-0728	<b>AQUIFLOW</b>	<b>67642</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	52		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	04/10/1996		

---

<b>28 West 1/2 - 1 Mile Higher</b>	Site ID:	660066	<b>AQUIFLOW</b>	<b>55545</b>
	Groundwater Flow:	NNE		
	Shallow Water Depth:	8.3		
	Deep Water Depth:	6.6		
	Average Water Depth:	Not Reported		
	Date:	12/05/1994		

---

<b>29 West 1/2 - 1 Mile Higher</b>	Site ID:	870018	<b>AQUIFLOW</b>	<b>64315</b>
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	10		
	Date:	10/30/1998		

---

<b>30 NNW 1/2 - 1 Mile Lower</b>	Site ID:	001533	<b>AQUIFLOW</b>	<b>55469</b>
	Groundwater Flow:	NNW		
	Shallow Water Depth:	8.5		
	Deep Water Depth:	6.0		
	Average Water Depth:	Not Reported		
	Date:	01/30/1997		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E31**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000183911**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373456122192501		
Monloc name:	004S004W17L002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18050004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5821577
Longitude:	-122.324692	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860930	Welldepth:	300
Welldepth units:	ft	Wellholedepth:	306
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**32**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000183893**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373442122192301		
Monloc name:	004S004W17Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18050004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5782689
Longitude:	-122.3241365	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	288
Construction date:	193708	Wellholeddepth:	288
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**33**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000183909**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373453122192401		
Monloc name:	004S004W17K001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18050004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5813243
Longitude:	-122.3244143	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19330906	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	285
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**F34**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

Site ID:	41-0202	<b>AQUIFLOW</b>	<b>67622</b>
Groundwater Flow:	NE		
Shallow Water Depth:	51.7		
Deep Water Depth:	52		
Average Water Depth:	Not Reported		
Date:	04/20/1991		

**35**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

Site ID:	41-0289	<b>AQUIFLOW</b>	<b>67614</b>
Groundwater Flow:	Not Reported		
Shallow Water Depth:	17.0		
Deep Water Depth:	20.5		
Average Water Depth:	Not Reported		
Date:	09/11/1992		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94010	88	2

Federal EPA Radon Zone for SAN MATEO 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.

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Federal Area Radon Information for Zip Code: 94010

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.350 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.200 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<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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**APPENDIX B**

**AERIAL PHOTOGRAPHS**

**Appendix B**  
**Aerial Photographs Review**  
**908 & 920 Bayswater Avenue and 108 through 124 Myrtle Road**  
**Burlingame, California**

**Subject Properties**


Date	Photo Quality	Content
1943	Poor	The photograph shows the subject properties as partially developed for residential use.
1946	Fair	The properties at present-day addresses 908 Bayswater Avenue and 108 through 124 Myrtle Drive appear to be developed for residential use. The property at 920 Bayswater Avenue appears to be undeveloped.
1956	Fair	The residence at 116 Myrtle Road is no longer present. A structure is apparent towards the northeast end of the property. The photograph is of insufficient quality to determine the condition of the 920 Bayswater Avenue property.
1968	Fair	A structure consistent with the present-day auto shop is present at 920 Bayswater Avenue. A structure consistent with the present-day apartment building is present at 116 Myrtle Road.
1974	Good	No notable changes to the subject properties compared to the 1968 photograph.
1982	Fair	No notable changes to the subject properties compared to the 1974 photograph.
1993	Fair	No notable changes to the subject properties compared to the 1982 photograph.
1998	Poor	Photograph is of insufficient quality to provide useful information about the subject properties vicinity.
2005	Fair	The subject properties appear to be in their present-day configuration.
2009	Fair	No notable changes to the subject properties compared to the 2005 photograph.
2010	Good	No notable changes to the subject properties compared to the 2009 photograph.
2012	Good	No notable changes to the subject properties compared to the 2010 photograph.



**Appendix B**  
**Aerial Photographs Review**  
**908 & 920 Bayswater Avenue and 108 through 124 Myrtle Road**  
**Burlingame, California**

**Subject Property Vicinity**

Date	Photo Quality	Content
1943	Poor	The general area north of the subject properties appears partially developed for residential use, and the general area south of the subject properties appears developed for commercial and/or industrial use.
1946	Fair	No notable changes to the subject property vicinity compared to the 1943 photograph.
1956	Fair	The properties located northwest of the subject properties, along Howard Avenue, have been redeveloped for commercial and/or industrial use. The property located southwest of the subject properties, appears to be in use as a rail depot.
1968	Fair	A large commercial/industrial structure consistent with the present day configuration of the property southeast of the subject properties, across Bayswater Avenue, is present. The rail depot located southwest of the subject properties is in use, and several tank cars are visible at the depot.
1974	Good	No notable changes to the subject properties vicinity compared to the 1968 photograph.
1982	Fair	No notable changes to the subject properties vicinity compared to the 1974 photograph.
1993	Fair	The property located southwest of the subject properties appears to be in use as a storage yard.
1998	Poor	Photograph is of insufficient quality to provide useful information about the subject properties vicinity.
2005	Fair	No notable changes to the subject properties vicinity compared to the 1998 photograph.
2009	Fair	The property located southwest of the subject properties appears to be in use as a parking lot. The subject properties vicinity generally appears to be in its present-day configuration.
2010	Good	No notable changes to the subject property vicinity compared to the 2009 photograph.
2012	Good	No notable changes to the subject property vicinity compared to the 2010 photograph.



Fore Green Development, LLC  
920 Bayswater Avenue  
Burlingame, CA 94010

Inquiry Number: 4913349.9  
April 20, 2017

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

Fore Green Development, LLC  
 920 Bayswater Avenue  
 Burlingame, CA 94010  
 EDR Inquiry # 4913349.9

**Client Name:**

PES Environmental, Inc.  
 7665 Redwood Blvd  
 Novato, CA 94945  
 Contact: Gregory George



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: August 29, 1998	USDA
1993	1"=500'	Acquisition Date: July 10, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 08, 1982	USDA
1974	1"=500'	Flight Date: June 26, 1974	USGS
1968	1"=500'	Flight Date: June 14, 1968	USGS
1963	1"=500'	Flight Date: June 24, 1963	USGS
1956	1"=500'	Flight Date: September 08, 1956	USGS
1946	1"=500'	Flight Date: July 29, 1946	USGS
1943	1"=500'	Flight Date: October 11, 1943	USDA

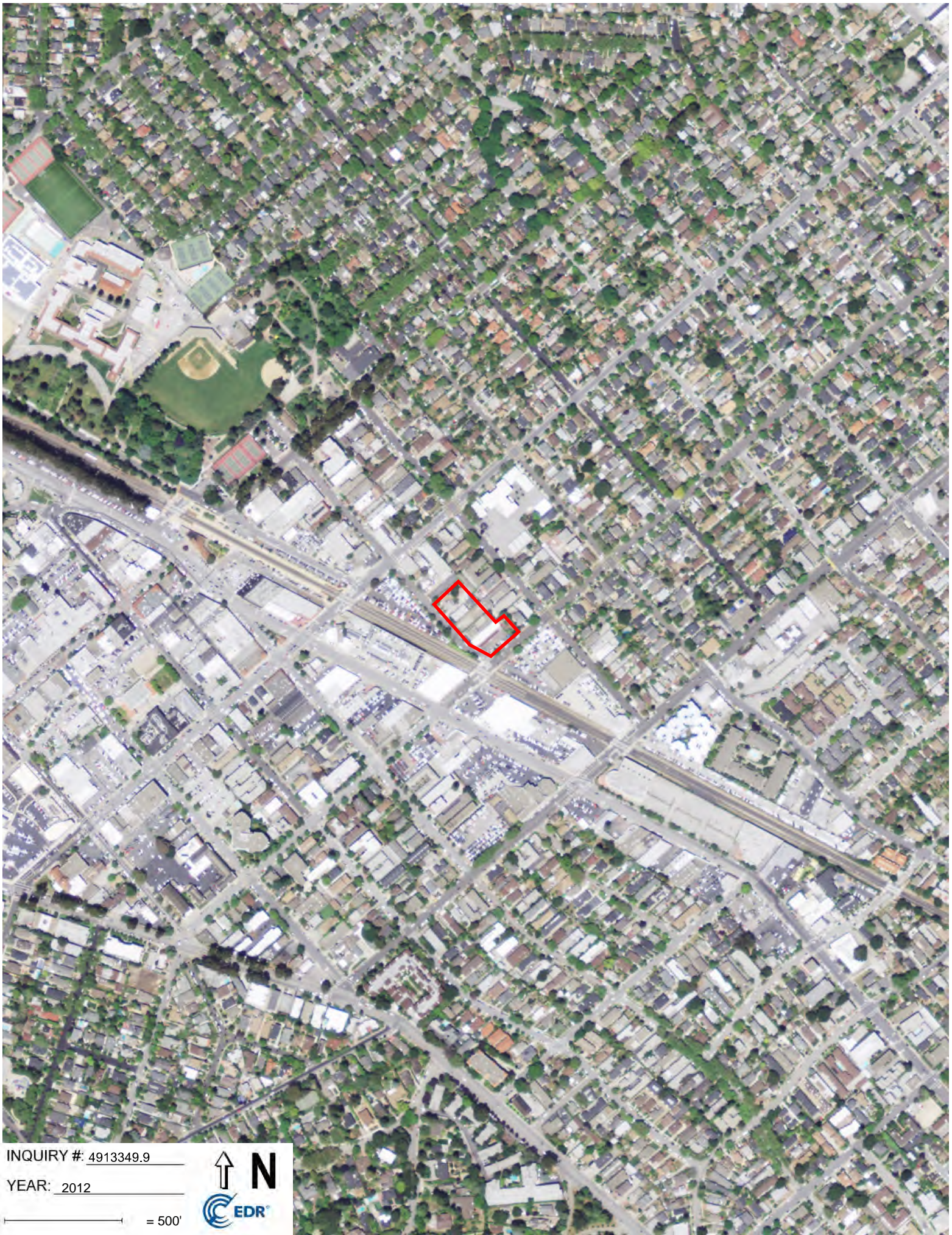
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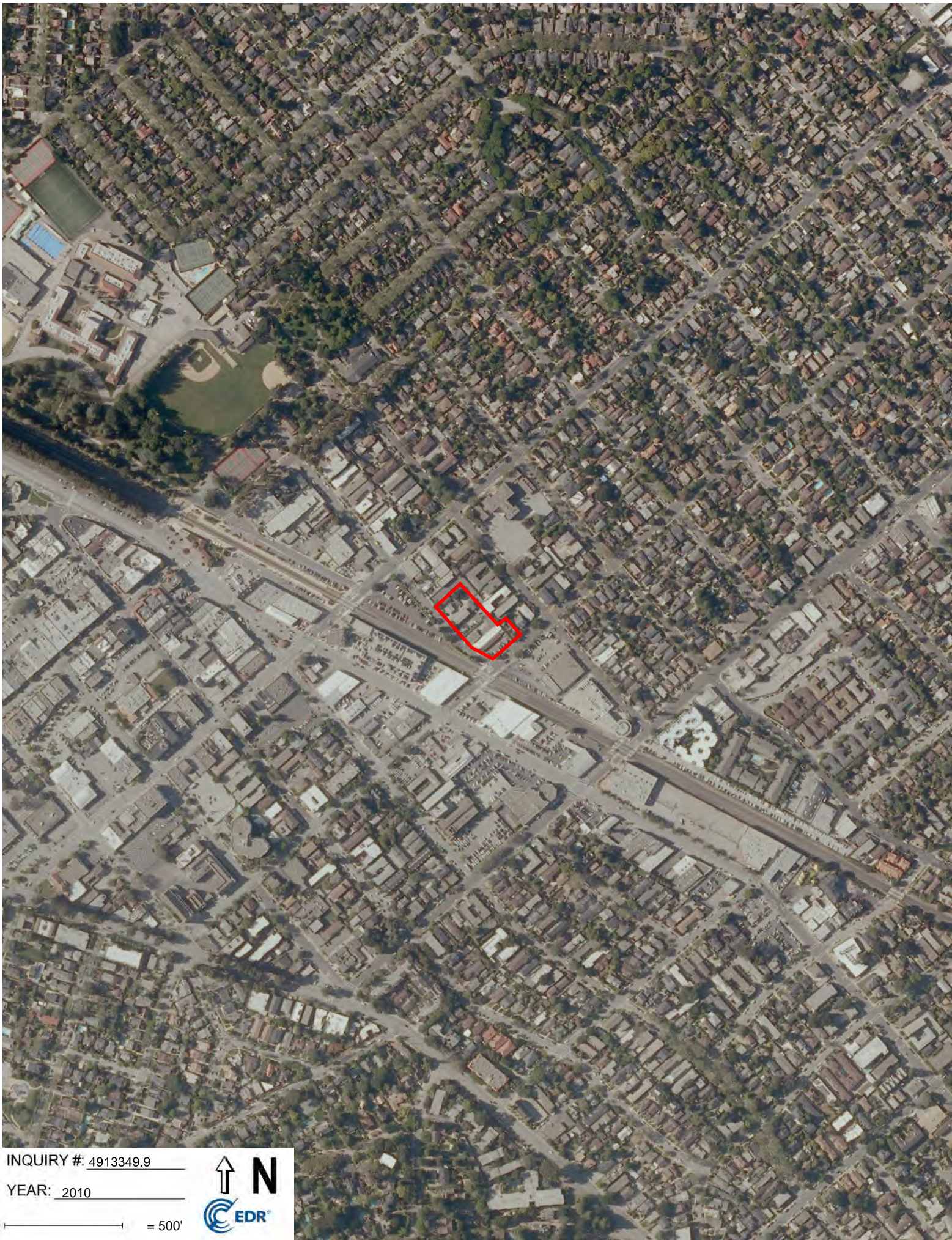


INQUIRY #: 4913349.9

YEAR: 2012

— = 500'



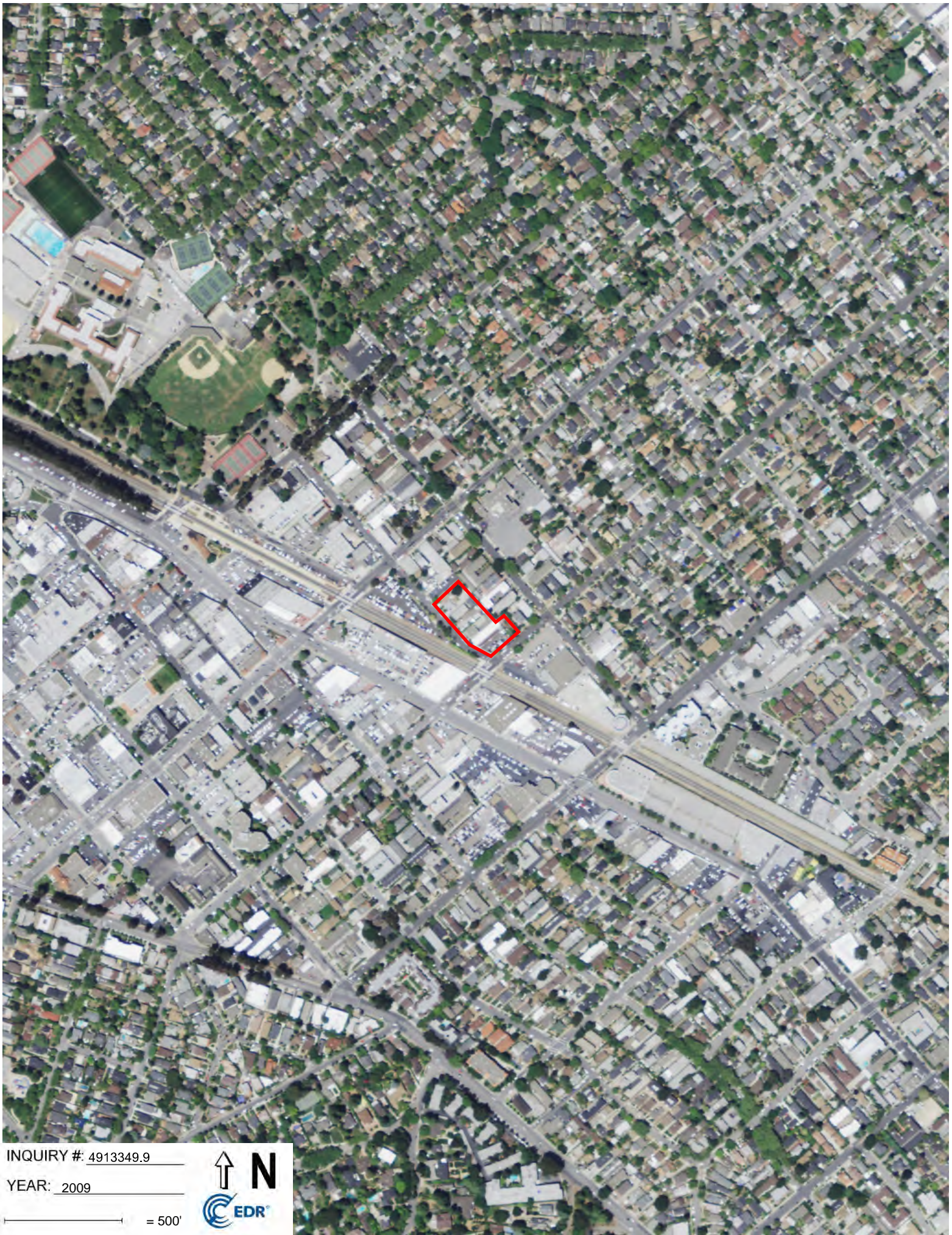


INQUIRY #: 4913349.9

YEAR: 2010

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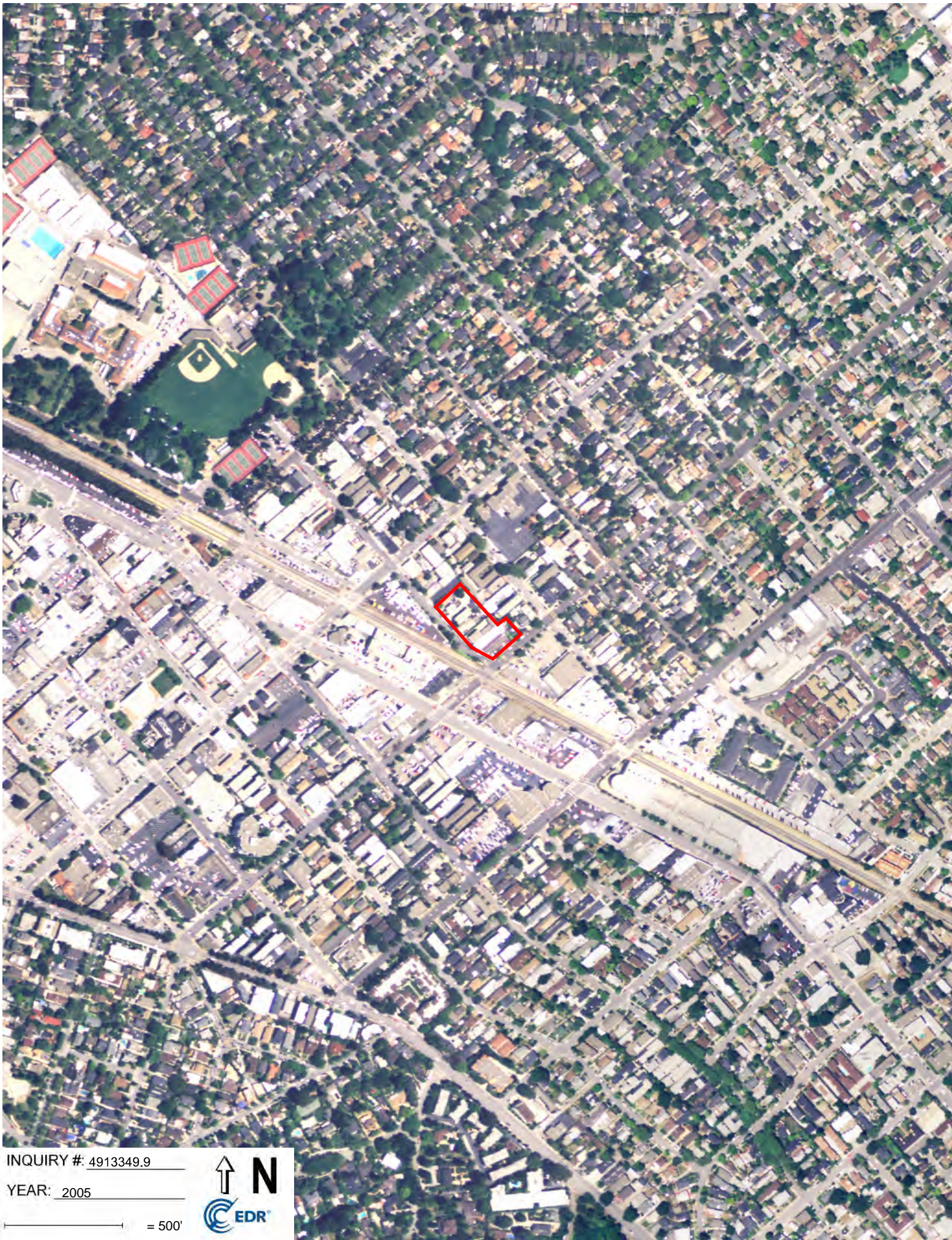


INQUIRY #: 4913349.9

YEAR: 2009

— = 500'





INQUIRY #: 4913349.9

YEAR: 2005

— = 500'





INQUIRY #: 4913349.9

YEAR: 1998

— = 500'







INQUIRY #: 4913349.9

YEAR: 1993

— = 500'





INQUIRY #: 4913349.9

YEAR: 1982

— = 500'





INQUIRY #: 4913349.9

YEAR: 1974

— = 500'





INQUIRY #: 4913349.9

YEAR: 1968

— = 500'





INQUIRY #: 4913349.9

YEAR: 1963

— = 500'





INQUIRY #: 4913349.9

YEAR: 1956

— = 500'





INQUIRY #: 4913349.9

YEAR: 1946

— = 500'





INQUIRY #: 4913349.9

YEAR: 1943

— = 500'





**APPENDIX C**

**SANBORN FIRE INSURANCE MAPS**

**Appendix C**  
**Sanborn® Fire Insurance Maps Review**  
**908 & 920 Bayswater Avenue and 108 through 124 Myrtle Road**  
**Burlingame, California**

**Subject Properties**

Date	Comments
1908	The subject properties are shown as undeveloped.
1913	A structure is shown at the 124 Myrtle Road property, consistent with the present-day residence. Multiple small structures are shown at the 112-114 Myrtle Road property, inconsistent with the present-day paved parking area at the property.
1921	An additional small structure is shown at the northeast end of the 124 Myrtle Road property. Additional small structures are shown at the 112-114 Myrtle Road property, inconsistent with the present-day paved parking area at the property.
1946	Structures consistent with the present-day structures are shown at the 908 Bayswater Avenue and 108 and 120 Myrtle Road properties. An additional small structure is shown at the 114 Myrtle Road property. The 116 Myrtle Road property shows one structure generally consistent with the present-day residence at the rear of the property, and another structure inconsistent with the present-day site configuration.
1949	The subject properties do not show any notable changes from the 1946 map.
1959	The 920 Bayswater Avenue property shows a structure identified as Auto Body Repair consistent with the present-day site configuration, and indicating a spray paint booth. Additional structures consistent with the present-day site configuration are shown at the 108 and 116 Myrtle Road properties.
1970	The subject properties do not show any notable changes from the 1959 map.


**Subject Property Vicinity**

Date	Comments
1908	A small structure, inconsistent with the present-day property configuration, is shown at the 136 Myrtle Road property. Additional small structures are shown on several adjacent properties northeast of the site. Bayswater Avenue and Myrtle Drive are shown in their present day configuration. The rail corridor is shown in its present-day configuration, and identified as Southern Pacific Railroad Main Line. A small structure identified as Repair Shop is shown east-southeast of the site, across Bayswater Avenue. The present-day parking area located southwest of the site across Myrtle Road is identified as a lumber yard operated by San Mateo Lumber Company, and includes canopy storage for lumber, a lumber shed, and an electrically-powered planing mill. The property located at present-day 50 California Drive (formerly San Mateo Drive), located south-southwest of the site, shows multiple fuel storage areas.
1913	The present-day parking area located southwest of the site across Myrtle Road is identified as City Storage Yard. The structure previously identified as Repair Shop located east-southeast of the site, across Bayswater Avenue, is no longer present. A structure identified as Burlingame Home Bakery, utilizing fuel oil, is shown northwest of the site, across Howard Avenue.
1921	The present-day parking area located southwest of the site across Myrtle Road is shows a structure identified as S.P.R.R. freight depot adjacent to the rail corridor. The property located southeast of the site, across Bayswater Avenue, is identified as Cahalan Company, and shows a wood shed, an open coal shed, a hay and feed storage area, and a truck storage area. Beyond the Cahalan Company Yard to the southeast are properties operated by the Burlingame Municipal Water Company and Associated Oil Company. The Associated Oil Company yard shows multiple aboveground oil storage tanks. Properties located south of the site, across the rail corridor, show a plumbing and tin shop and an auto repair shop.

**Appendix C**  
**Sanborn® Fire Insurance Maps Review**  
**908 & 920 Bayswater Avenue and 108 through 124 Myrtle Road**  
**Burlingame, California**

**Subject Property Vicinity**

1946	Additional structures consistent with single- and multi-family residences are shown on the properties adjacent to the site to the north and northeast. The property located southeast of the site, across Bayswater Avenue, is now identified as Peninsula Lumber and Supply Company, and shows a lumber and building material shed, an open lime and plaster storage area, and a truck storage area. The properties located south-southwest and south-southeast of the site, across the rail corridor, show multiple auto sales and service facilities.
1949	Properties located northwest of the site, at 144 Myrtle Road and 925 and 927 Howard Avenue show structures identified as Neon Sign Facility and Plastic Products Manufacturing, respectively.
1959	The vicinity of the subject properties does not show any notable changes from the 1949 map.
1970	The Neon Sign Facility is no longer shown at the 144 Myrtle Road property. The 927 Howard Avenue structure is now identified as Tin Shop. The S.P.R.R. freight depot is no longer present at the property located southwest of the site across Myrtle Road, and the structure is now identified as Radio Equipment. The structures at the property located southeast of the site, across Bayswater Avenue, are no longer shown, and a new structure is shown, consistent with the present-day auto-body shops at the property.



Fore Green Development, LLC  
920 Bayswater Avenue  
Burlingame, CA 94010

Inquiry Number: 4913349.3

April 19, 2017

## Certified Sanborn® Map Report



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