PES Environmental, Inc.
Engineering & Environmental Services

July 31, 2013

390.023.01.002

Nick Podell Company
22 Battery Street, Suite 404
San Francisco, California 94111

Attention: Ms. Linsey Perlov

Results of Limited Subsurface Investigation
2044 Through 2070 Bryant Street
San Francisco, California

Dear Ms. Perlov:

This letter report has been prepared by PES Environmental, Inc. (PES) to summarize the results of a limited subsurface investigation at the property located at 2044 through 2070 Bryant Street in San Francisco, California (the site). A site location map is provided on the attached Plate 1. The subsurface investigation was conducted on behalf of Nick Podell Company (Podell), as part of its environmental due diligence activities prior to acquisition of the property.

The site is occupied by a 42,500 square foot warehouse that covers the entire property and is currently occupied by commercial tenants. We understand that, if acquired, Podell plans to redevelop the property, including demolition of the current structure and construction of new residential units.

As you are aware, PES has recently completed a Phase I Environmental Site Assessment (ESA) for the subject property. Based on the historical site uses and conditions observed during the site inspection, PES recommended to Podell that a subsurface investigation be conducted to further evaluate conditions at the subject property.

To evaluate potential environmental concerns from historical site use, the investigation consisted of soil matrix and groundwater sampling. Investigations were conducted in several phases between April 24 and June 28, 2013. Details of the investigation methodology and results are provided below.

SAMPLING METHODS

The following sections describe the field activities, methods, and sample results. The investigation consisted of sample collection at eleven locations (B-1 through B-11) across the site. Additionally, a sample of the liquid contents of the underground storage tank (UST) that was recently identified beneath the sidewalk on the west side of the tenant space at 631 Florida Street was collected and analyzed.

Preparation for Field Investigation

Prior to sampling, PES prepared a site-specific Health and Safety Plan. The Health and Safety Plan complied with applicable federal and California Occupational Safety and Health Administration (OSHA) guidelines. PES prepared and submitted a borehole drilling permit application to the City and County of San Francisco, Department of Public Health, Environmental Health Section (SFDPH). Underground Service Alert was contacted at least 48 hours prior to the scheduled drilling time to schedule visits by public and private utility companies to locate their underground utilities. C. Cruz Sub-Surface Locators, Inc. (C. Cruz) of Milpitas, California (a private underground utility locating service) was retained to clear the proposed sampling locations for subsurface utilities

Drilling and sampling services were provided by Cascade Drilling, LP (Cascade) of Richmond, California. Laboratory analyses were performed by Curtis & Tompkins, Ltd. (C&T) in Berkeley, California, a California state-certified laboratory for the performed analyses.

Soil Matrix Sampling

A truck-mounted direct-push drill rig and a limited access direct-push drill rig were used to advance six borings (B-1 – B-6) to a depth of 6 to 20 feet below ground surface (bgs) within the building footprint. A dual-walled sampling system with a clear acetate liner was used to collect continuous soil cores from the borings. Approximate 6-inch-long samples were cut out of the acetate liner at the desired depth. The soil samples were screened for VOCs using a photoionization detector (PID) and the ends of the liner section were capped. Soil samples were collected for chemical analysis at each boring location at depth intervals varying from of 2.0 feet bgs to 5.0 feet bgs, based on site observations and the soil recovery. Sample locations are shown on Plate 2.

Sample containers were labeled to indicate project location, sample number, and time and date collected. The samples were immediately placed in a thermally-insulated cooler containing ice. The samples were transported under chain-of-custody protocol to C&T.

Soil samples were analyzed as follows: (1) California Title 22 metals by U.S. Environmental Protection Agency (U.S. EPA) Test Method 6010B; (2) total petroleum hydrocarbons quantified as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo) by U.S. EPA Test Method 8015; (3) volatile organic compounds (VOCs) by U.S. EPA Test Method 8260B; and (4) polychlorinated biphenyls (PCBs) by U.S. EPA Test Method 8082.

Downhole drilling and sampling equipment was steam cleaned at the commencement of fieldwork and between each borehole.

Groundwater Sampling

Grab-groundwater samples were collected at nine boring locations within the building footprint and within parking spaces adjacent to the site along Florida Street and Bryant Street. Borings B-1, B-3, B-5, and B-6 were completed on April 24, 2013, and borings B-7 through B-11 were completed on June 12.

To facilitate sample collection, each soil boring was advanced to a depth of 16 to 20 feet bgs, based on the depth of first-encountered groundwater. A temporary well was installed using one-inch diameter polyvinyl chloride (PVC) casing. Groundwater samples were collected using a peristaltic pump or a disposable polyethylene bailer lowered through the PVC casing. Samples were collected by slowly filling the appropriate laboratory supplied sample containers. The groundwater samples analyzed for metals were filtered in the laboratory.

Sample containers were labeled to indicate project location, sample number, and time and date collected. The samples were immediately placed in a thermally-insulated cooler containing ice. The samples were transported under chain-of-custody protocol to C&T.

Groundwater samples were analyzed for one or more of the following analyses: VOCs by U.S. EPA Test Method 8260B, dissolved Title 22 Metals by U.S. EPA Test Method 6010B, TPHg, TPHd, and TPHmo by U.S. EPA Method 8015, and (4) PCBs by U.S. EPA Test Method 8082.

UST Sampling

On June 28, 2013, PES visited the site to collect a sample of the contents, if any, of the UST. Upon arriving at the site, it was discovered that the metal fill port cap had already been penetrated with an approximate 1.5-inch diameter hole. Using a measuring tape, it was determined that the UST extends to a depth of approximately 7 feet bgs with approximately 18 inches of liquid. The lateral dimensions of the tank could not be determined. A sample of the liquid was collected using a disposable polyethylene bailer lowered through the hole in the fill port cap. The bailed sample was transferred to the appropriate laboratory supplied sample

containers. The sample container was labeled and handled as described above, and transported under chain-of-custody protocol to C&T. The sample was analyzed as a product sample for the following analyses: VOCs by U.S. EPA Test Method 8260B; and TPHg, TPHd, and TPHmo by U.S. EPA Method 8015.

SUMMARY OF RESULTS

Geology and Hydrogeology

Lithologic data obtained from the soil borings advanced during the investigation indicate that the subsurface consists primarily of sands and silty sands to the maximum depth explored of 24 feet bgs. Groundwater was encountered at depths ranging from approximately 8 to 13 feet bgs.

During the June groundwater investigation, five of the temporary PVC casings were left in place for 24-hours to allow groundwater levels to equilibrate prior to obtaining depth-to-water measurements and sampling. A licensed surveyor, PLS Surveys, Inc. of Oakland, California, surveyed the elevation of the ground surface to permit estimation of groundwater depth and localized groundwater flow direction. A copy of the surveyor's report is provided in Appendix B. As indicated on Plate 3, localized groundwater flow direction is estimated to be to the northwest, which is consistent with data collected in the site vicinity.

Soil Matrix Results

Soil matrix sample analytical results for analysis of organic compounds and metals are summarized in Tables 1 and 2, respectively. Copies of the laboratory analytical reports and chain-of-custody documentation are presented in Appendix A.

The testing results for organic constituents in soil matrix samples are as follows:

- TPHg was not detected at or above the laboratory reporting limit in any samples;
- TPHd was detected in 6 of 12 soil samples at concentrations ranging from 1.7 milligrams per kilogram (mg/kg) to 100 mg/kg;
- TPHmo was detected in 7 of 12 soil samples at concentrations ranging from 5.1 to 280 mg/kg;

- VOCs were not detected at or above the laboratory reporting limit in any samples; and
- Total PCBs were not detected at or above the laboratory reporting limit in any samples.

As indicated on Table 1, TPHd was the only organic compound detected at its respective San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for residential land use. TPHd was detected in the sample from boring B-2 at 2 feet bgs at 100 mg/kg; equal to the 100 mg/kg ESL value. All other organic compounds were either non-detect or well below the corresponding ESL for residential soils. All reported organic compounds were well below their respective ESLs for direct exposure for construction/trench workers.

Review of the metals data (as presented on Table 2) generally indicates the presence of naturally occurring concentrations of all metals with the exception of isolated elevated concentrations of lead, nickel, and zinc, which were detected in some samples above their respective ESLs for residential land use. The presence of elevated lead is not uncommon for this area of San Francisco, where historical fill materials are present. All of the reported metals concentrations were well below their respective ESLs for construction/trench workers. It is noted that when compared to the State of California's criteria for hazardous waste classification (total threshold limit concentration or TTLC), only lead was found to exceed its corresponding TTLC value of 1,000 mg/kg. This value was exceeded at boring location B-2 at depths of 2 and 4.5 feet bgs (9,500 and 1,900 mg/kg respectively) and at B-3 at a depth of 4.5 feet bgs (1,600 mg/kg).

If soils are planned to be excavated and removed from the site as part of redevelopment, they will need to be sampled and analyzed for waste classification and proper off-site disposal. Based on the data collected from the site soils, there is a potential that some of the soils may need to be managed as hazardous waste.

UST Analytical Results

Results for the liquid sample from the UST are reported by the laboratory on a weight basis (mg/kg or micrograms per kilogram [μg/kg]), as is typically done for product samples. A copy of the laboratory analytical report and chain-of-custody documentation is provided in Appendix A.

The results of the soil matrix analytical testing for organic constituents are as follows:

- TPHg was detected at a concentration of 23,000 mg/kg;
- TPHd was detected at a concentration of 3,500 mg/kg;

- TPHmo was detected at a concentration of 7,400 mg/kg;
- Toluene was detected at a concentration of 93,000 µg/kg;
- Tetrachloroethylene or perchloroethylene (PCE) was detected at a concentration of 370,000 µg/kg;
- M,p-xylenes was detected at a concentration of 130,000 µg/kg; and
- Other long-chain hydrocarbons were also detected in the sample (refer to the laboratory report).

It should be noted that the laboratory indicated that the samples did not match the chromatographic patterns for gasoline and diesel, indicating the liquid is a weathered fuel or perhaps a combination of various wastes (e.g., motor oil and PCE) that were placed in the tank.

Groundwater Analytical Results

Groundwater sample analytical results for analysis of organic compounds and metals are summarized in Tables 3 and 4, respectively. Copies of the laboratory analytical reports and chain-of-custody documentation are presented in Appendix A.

The analytical results for organic constituents in groundwater samples are as follows:

- TPHg was detected in 1 of 9 samples at a concentration of 1,000 micrograms per liter (µg/L);
- TPHd was detected in 4 of 9 samples at concentrations from 110 to 3,900 µg/L;
- TPHmo was detected in 1 of 9 samples at a concentrations of 310 µg/L;
- 1,1-dichloroethene (1,1-DCE) was detected in 5 of 9 samples at concentrations from 0.8 to 4.3 µg/L;
- 1,1-dichloroethane (1,1-DCA) was detected in 4 of 9 samples at concentrations from 1.0 to 2.6 µg/L;
- cis-1,2-dichloroethene (cis-1,2-DCE) was detected in 5 of 9 samples at concentrations from 0.6 to 6.6 µg/L;
- chloroform was detected in 4 of 9 samples at concentrations from 0.5 to 0.9 µg/L;

- 1,1,1-trichloroethane (1,1,1-TCA) was detected in 2 of 9 samples at concentrations from 0.8 μg/L and 2.4 μg/L;

- trichloroethene (TCE) was detected in 7 of 9 samples at concentrations from 1.6 to 75 μg/L;

- tetrachloroethene (PCE) was detected in 2 of 9 samples at concentrations from 0.7 μg/L and 0.8 μg/L;

- vinyl chloride (VC) was detected in 1 of 9 samples at a concentration of 1.9 μg/L;

- Benzene, xylenes, isopropylbenzene, propylbenzene, sec-butylbenzene, n-butylbenzene, and naphthalene were also detected in sample B-7-W at low concentrations; and

- Total PCBs were not detected at or above the laboratory reporting limit in any samples.

Table 4 presents the results of the analysis for dissolved metals in groundwater. Of the 17 metals analyzed, there were 10 metals detected in the shallow groundwater samples. The results of the metals analyses can summarily be discussed as either: (1) naturally-occurring concentrations, and/or (2) not significant because there is no exposure to the groundwater under existing or planned future conditions. We understand that dewatering is not contemplated as part of the redevelopment plans for the site. In the unlikely event that dewatering is conducted, the metals concentrations would need to be further evaluated for evaluation of disposal options.

The groundwater analytical results for organic compounds and flow direction are plotted on Plate 3. Review of the data suggests the following:

- The groundwater investigation detected 18 organic compounds as shown on Table 3. Seven of these compounds exceeding the drinking water ESL including TPHg; TPHd; TPHmo; TCE; cis, 1-2, DCE; vinyl chloride and naphthalene. The remaining 11 compounds were detected at relatively low concentrations below their respective drinking water ESLs;

- There appears to be a relatively low-level impact to the groundwater by petroleum hydrocarbons and chlorinated solvents in this area that may be explained by the long term industrial use of many properties in this area of San Francisco. This is evidenced by the apparent upgradient groundwater samples collected along Bryant Street showing evidence of TPHd, TPHmo, 1,1 DCE, TCE, and other chlorinated solvents that appear to be coming from off-site location(s). The actual routes of migration of the contaminants in shallow groundwater are influenced by the predominant groundwater flow direction, utility corridors, sanitary lines, sewer collection lines, subsurface

pumping for foundation dewatering, and other potential factors. The actual source of the groundwater contamination encountered during the investigation may not practicably be determined;

- Concentrations of TCE in groundwater were detected under the subject property footprint at concentrations ranging from 26 to 75 µg/L under the 2060-2070 Bryant Street address and non-detect to 3.8 µg/L under the 2044 Bryant Street address. The corresponding residential land use ESL for potential vapor intrusion concern is 5.2 µg/L for predominantly sandy soils. Actual concentrations of vapors in the subsurface were not analyzed. Mitigation measures for vapor intrusion concerns include vapor barriers and passive venting systems that could be installed as part of the site redevelopment;

- The groundwater sample collected from boring B-7 contained compounds that were not detected at any of the other sampling locations including vinyl chloride, TPHg, benzene, xylenes as well as other typical gasoline components. B-7 is located approximately 20 to 30 feet downgradient from the estimated UST location. Of these compounds, vinyl chloride (detected at 1.9 µg/L) exceeded its corresponding ESL for vapor intrusion concerns (0.067 µg/L). Based on a comparison with the sample of product collected from the UST, there were six identical petroleum hydrocarbon-related compounds detected in the groundwater sample from B-7. This is also the only groundwater sample location where TPHg was detected. This indicates that the UST under the sidewalk may have had releases that impacted the shallow groundwater;

- The product sample collected and analyzed from the UST suggested that the contents are a weathered gasoline with evidence of motor oil and PCE. This suggests waste liquids may have been introduced to the UST in the past;

- The UST will require removal under permit from the SFDPH. It is likely that soil around and beneath the UST may be affected and will likewise require removal. It is also possible that as part of the UST closure process, SFDPH will require an assessment of the extent of affected groundwater, including possible groundwater monitoring for a period of time.

DISCUSSION OF RESULTS

As described above, the soil matrix and groundwater investigation was conducted to further evaluate subsurface conditions on the site and assess potential affects from historical site uses.

The results of the site testing indicate that selected organic compounds and metals were detected above their respective ESLs for residential land use in both the soil and groundwater beneath the subject property. Mitigation measures for these contaminants should be planned as part of the site redevelopment.

Additionally, the liquid in the UST contains elevated concentrations of petroleum hydrocarbons and chlorinated solvents, indicating the tank may have been used for waste disposal. The size and condition of the tank are unknown. The UST will require removal and closure under SFPHD oversight.

Please feel free to contact either of the undersigned if you have any questions regarding this report.

Yours very truly,

PES ENVIRONMENTAL, INC.

William W. Mast, P.G.
Principal Engineer

William F. Frizzell, P.E.
Principal Engineer

Attachments: Table 1 – Summary of Analytical Results for Soil – Organics
Table 2 – Summary of Analytical Results for Soil – Metals
Table 3 – Summary of Grab Groundwater Analytical Results - Organics
Table 4 – Summary of Grab Groundwater Analytical Results – Metals
Table 5 – Groundwater Elevation Data
Plate 1 – Site Location Map
Plate 2 – Site Plan with Boring Locations
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Appendix A – Laboratory Analytical Report and Chain-of-Custody Forms
Appendix B – Surveyor's Report

TABLES

Table 1
Summary of Analytical Results for Soil - Organics
Subsurface Investigation Report
2044-2070 Bryant Street
San Francisco, California

Boring Identification	Sample Identification	Sample Depth (Feet bgs)	Date Collected	Petroleum Hydrocarbons			VOCs	PCBs
				TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)		
B-1	B-1-2	2.0	4/24/2013	ND (0.17)	**2.8 Y**	**8.1**	All ND	All ND
	B-1-5	5.0	4/24/2013	ND (0.19)	ND (1.0)	ND (5.0)	All ND	All ND
B-2	B-2-2	2.0	4/24/2013	ND (0.23)	**100**	**280**	All ND	All ND
	B-2-4.5	4.5	4/24/2013	ND (0.19)	**14 Y**	**27**	All ND	All ND
B-3	B-3-2	2.0	4/24/2013	ND (0.17)	**3.5 Y**	**13**	All ND	All ND
	B-3-4.5	4.5	4/24/2013	ND (0.21)	**13 Y**	**27**	All ND	All ND
B-4	B-4-2	2.0	4/24/2013	ND (0.20)	ND (1.0)	**5.1**	All ND	All ND
	B-4-4	4.0	4/24/2013	ND (0.19)	**1.7 Y**	**6.4**	All ND	All ND
B-5	B-5-2	2.0	4/24/2013	ND (0.26)	ND (1.0)	ND (5.0)	All ND	All ND
	B-5-5	5.0	4/24/2013	ND (0.22)	ND (1.0)	ND (5.0)	All ND	All ND
B-6	B-6-2	2.0	4/24/2013	ND (0.20)	ND (1.0)	ND (5.0)	All ND	All ND
	B-6-5	5.0	4/24/2013	ND (0.18)	ND (1.0)	ND (5.0)	All ND	All ND
Shallow (<3 meters bgs) Soil ESL[(1)]				**100**	**100**	**500**	**Varies**	**Varies**
Direct Exposure ESL[(2)]				**1,800**	**900**	**28,000**	**Varies**	**Varies**

Notes:

TPHg = Total petroleum hydrocarbons quantified as gasoline.
TPHd = Total petroleum hydrocarbons quantified as diesel (with silica gel cleanup).
TPHmo = Total petroleum hydrocarbons quantified as motor oil (with silica gel cleanup).
VOCs = Volatile organic compounds.
PCBs = Polychlorinated Biphenyls.
bgs = Below ground surface.
mg/kg = Milligrams per kilogram.
Y= Sample exhibits chromatographic pattern which does not resemble standard.
ND(5.0) = Not detected at or above the indicated laboratory reporting limit.
ND = Not detected.
ESL[(1)] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for residential land use where groundwater is a current or potential drinking water resource (Table A-1) (mg/kg).
ESL[(2)] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Evironmental Screening Level (ESL) for construction/trench worker exposure scenario (Table K-3) (mg/kg).
- Results exceeding ESLs are shaded.

Table 2
Summary of Analytical Results for Soil - Metals
Subsurface Investigation Report
2044-2070 Bryant Street
San Francisco, California

Boring Identification	Sample Identification	Sample Depth (Feet bgs)	Date Collected	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
B-1	B-1-2	2.0	4/24/2013	1.1	2.4	240	0.28	ND (0.23)	56	26	55	22	0.082	0.26	290	ND (0.47)	ND (0.23)	ND (0.47)	57	42
	B-1-5	5.0	4/24/2013	ND (0.49)	2.6	40	0.13	ND (0.24)	110	9.0	7.8	140	0.23	ND (0.24)	130	ND (0.49)	ND (0.24)	ND (0.49)	33	28
B-2	B-2-2	2.0	4/24/2013	18	7.2	480	0.36	0.31	55	17	130	9,500	0.35	1.2	92	ND (0.49)	0.61	ND (0.49)	36	200
	B-2-4.5	4.5	4/24/2013	1.9	14	340	0.25	0.99	120	23	95	1,900	0.40	0.82	360	ND (0.49)	0.61	ND (0.49)	36	1,500
B-3	B-3-2	2.0	4/24/2013	0.95	2.8	53	0.24	ND (0.25)	60	8.8	11	12	0.033	ND (0.25)	49	ND (0.50)	ND (0.25)	ND (0.50)	52	35
	B-3-4.5	4.5	4/24/2013	2.9	19	880	0.54	0.65	41	9.3	220	1,600	0.086	1.7	62	ND (0.44)	2.1	ND (0.44)	44	640
B-4	B-4-2	2.0	4/24/2013	ND (0.46)	2.4	76	0.25	ND (0.23)	50	7.5	11	48	0.18	ND (0.23)	39	ND (0.46)	ND (0.23)	ND (0.46)	38	41
	B-4-4	4.0	4/24/2013	8.2	3.1	110	0.24	ND (0.25)	59	14	14	200	0.14	0.32	170	ND (0.50)	ND (0.25)	ND (0.50)	35	150
B-5	B-5-2	2.0	4/24/2013	ND (0.47)	1.4	35	0.15	ND (0.24)	46	6.8	5.7	0.73	ND (0.017)	0.45	47	ND (0.47)	ND (0.24)	ND (0.47)	31	21
	B-5-5	5.0	4/24/2013	ND (0.48)	0.92	38	0.12	ND (0.24)	42	6.8	4.8	0.60	ND (0.017)	ND (0.24)	42	ND (0.48)	ND (0.24)	ND (0.48)	34	21
B-6	B-6-2	2.0	4/24/2013	ND (0.49)	2.0	55	0.17	ND (0.24)	42	6.7	6.0	160	ND (0.017)	ND (0.24)	55	ND (0.49)	ND (0.24)	ND (0.49)	32	24
	B-6-5	5.0	4/24/2013	0.65	ND (0.25)	42	0.14	ND (0.25)	40	6.2	4.3	1.1	ND (0.016)	ND (0.25)	43	ND (0.50)	ND (0.25)	ND (0.50)	25	22
Shallow (<3 meters bgs) Soil ESL [1]				20	0.39	750	4.0	12	750	23	230	80	6.7	40	150	10	20	0.78	200	600
Direct Exposure Soil Screening Levels[2]				120	10	61,000	180	110	460,000	49	12,000	320	27	1,500	6,100	1,500	1,500	3.1	1,500	93,000

Notes:
bgs = Below ground surface.
mg/kg = Milligrams per kilogram.
ND(0.25) = Not detected at or above the indicated laboratory reporting limit.
NV = No value.
ESL[1] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for residential land use where groundwater is a current or potential drinking water resource (Table A-1) (mg/kg).
ESL[2] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Evironmental Screening Level (ESL) for construction/trench worker exposure scenario (Table K-3) (mg/kg).
- Results exceeding ESLs are shaded.

Table 3
Summary of Grab Groundwater Analytical Results - Organics
Subsurface Investigation Report
2044-2070 Bryant Street
San Francisco, California

Boring Identification	Date Collected	Petroleum Hydrocarbons			VOCs									PCBs
		TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Chloroform (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	VC (µg/L)	Other VOCs (µg/L)	
B-1-W	4/24/2013	ND (50)	ND (50)	ND (300)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND	ND
B-3-W	4/24/2013	ND (50)	ND (50)	ND (300)	**0.8**	ND (0.5)	**0.7**	ND (0.5)	**2.4**	**3.8**	**0.8**	ND (0.5)	ND	ND
B-5-W	4/24/2013	ND (50)	ND (50)	ND (300)	ND (0.5)	ND (0.5)	ND (0.5)	**0.7**	ND (0.5)	**26**	ND (0.5)	ND (0.5)	ND	ND
B-6-W	4/24/2013	ND (50)	ND (50)	ND (300)	**1.8**	**1.0**	**1.6**	**0.9**	ND (0.5)	**75**	ND (0.5)	ND (0.5)	ND	ND
B-7-W	6/12/2013	**1,000 Y**	**3,900**	ND (300)	**2.2**	**1.1**	**1.4**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**1.9**	**B:0.5; X:0.6; IPB:2.1; PB:3.9; sec-B:1.7; n-B:1.8; N:83**	NA
B-8-W	6/12/2013	ND (50)	ND (50)	ND (300)	**4.3**	**2.3**	**6.6**	ND (0.5)	ND (0.5)	**60**	**0.7**	ND (0.5)	ND	NA
B-9-W	6/12/2013	ND (50)	**110 Y**	ND (290)	ND (0.5)	ND (0.5)	**0.6**	**0.5**	ND (0.5)	**35**	ND (0.5)	ND (0.5)	ND	NA
B-10-W	6/12/2013	ND (50)	**530 Y**	**310**	**2.7**	**2.6**	ND (0.5)	**0.8**	**0.8**	**1.6**	ND (0.5)	ND (0.5)	ND	NA
B-11-W	6/12/2013	ND (50)	**200 Y**	ND (300)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**2.8**	ND (0.5)	ND (0.5)	ND	NA
Groundwater ESL [1]		**100**	**100**	**100**	**6.0**	**5.0**	**6.0**	**70**	**62**	**5.0**	**5.0**	**5.0**	**Varies**	**0.014**
Groundwater ESL for Evaluation of Potential Vapor Intrusion Concerns at Residential Site [2]		**NV**	**NV**	**NV**	**570**	**NV**	**NV**	**8.5**	**27,000**	**5.2**	**2.3**	**0.067**	**Varies**	**NV**

Notes:

TPHg = Total petroleum hydrocarbons quantified as gasoline.
TPHd = Total petroleum hydrocarbons quantified as diesel (with silica gel cleanup).
TPHmo = Total petroleum hydrocarbons quantified as motor oil (with silica gel cleanup).
1,1-DCE = 1,1- Dichloroethene.
1,1-DCA = 1,1- Dichloroethane.
cis-1,2-DCE = cis-1,2-dichloroethene.
1,1,1-TCA = 1,1,1-Trichloroethane.
TCE = Trichloroethene.
PCE = Tetrachloroethene.
VOCs = Volatile organic compounds.
PCBs = Polychlorinated Biphenyls.
VC = Vinyl Chloride.
B = Benzene.
X = Total Xylenes.
IPB = Isopropylbenzene.
PB = Propylbenzene.
sec-B - sec-Butylbenzene.
n-B = n-Butylbenzene.
N = Naphthalene.
µg/L = Micrograms per liter.
Y= Sample exhibits chromatographic pattern which does not resemble standard.
ND (50) = Not detected at or above the indicated laboratory reporting limit.
ND = Not detected.
ND = Not analyzed.
NV = No value.
[1] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) where groundwater is a current or potential source of drinking water (Summary Table A) (µg/L).
[2] = May 2013 RWQCB Groundwater ESL for Evaluation of Potential Vapor Intrusion Concerns for sand substrate and residential land use (Table E-1) (µg/L).
- Results exceeding groundwater ESLs are shaded.

Table 4
Summary of Grab Groundwater Analytical Results - Dissolved Metals
Subsurface Investigation Report
2044-2070 Bryant Street
San Francisco, California

Boring Identification	Date Collected	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
B-1-W	4/24/2013	ND (10)	ND (5.0)	**3,100**	**13**	ND (5.0)	**52**	**340**	**82**	**230**	**1.6**	ND (5.0)	**490**	ND (10)	ND (5.0)	ND (10)	**570**	**840**
B-3-W	4/24/2013	ND (10)	ND (5.0)	**730**	**2.1**	ND (5.0)	**28**	**400**	**16**	**120**	**0.91**	ND (5.0)	**1,000**	ND (10)	ND (5.0)	ND (10)	**160**	**110**
B-5-W	4/24/2013	ND (10)	ND (5.0)	**3,100**	**5.7**	ND (5.0)	**460**	**970**	**170**	**26**	**1.5**	**65**	**880**	ND (10)	ND (5.0)	ND (10)	**380**	**200**
B-6-W	4/24/2013	ND (10)	ND (5.0)	**260**	ND (2.0)	ND (5.0)	**32**	**33**	**12**	ND (5.0)	ND (0.20)	**22**	**55**	ND (10)	ND (5.0)	ND (10)	**26**	**39**
Groundwater ESL [(1)]		**6.0**	**10**	**1,000**	**0.53**	**0.25**	**180**	**3.0**	**3.1**	**2.5**	**0.025**	**180**	**8.2**	**5.0**	**0.19**	**2.0**	**15**	**81**

Notes:

µg/L = Micrograms per liter.

ND(5.0) = Not detected at or above the indicated laboratory reporting limit.

NV = No value.

[(1)] = May 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) where groundwater is a current or potential source of drinking water (Summary Table A) (µg/L).

- Results exceeding groundwater ESLs are shaded.

Table 5
Groundwater Elevation Data
Subsurface Investigation Report
2044-2070 Bryant Street
San Francisco, California

Boring Identification	Temporary Screen Interval (feet bgs)	Top of Casing (feet msl)	Date Measured	Depth to Water (feet bgs)	Groundwater Elevation (feet msl)
B-1-W	10-20	--	04/24/13	10.5	--
B-3-W	6-16	--	04/24/13	10.6	--
B-5-W	6-16	--	04/24/13	6.0	--
B-6-W	10-20	--	04/24/13	9.7	--
B-7-W	19-24	31.37	06/12/13	10.2	21.17
B-8-W	19-24	30.79	06/12/13	9.0	21.79
B-9-W	19-24	30.19	06/12/13	8.1	22.09
B-10-W	19-24	35.25	06/12/13	12.5	22.75
B-11-W	19-24	36.10	06/12/13	13.1	23.00

Notes:

Wells surveyed by pls Surveys Inc. of Oakland, California on June 12, 2013.

bgs = below ground surface.

msl = mean sea level.

-- = Not measured.

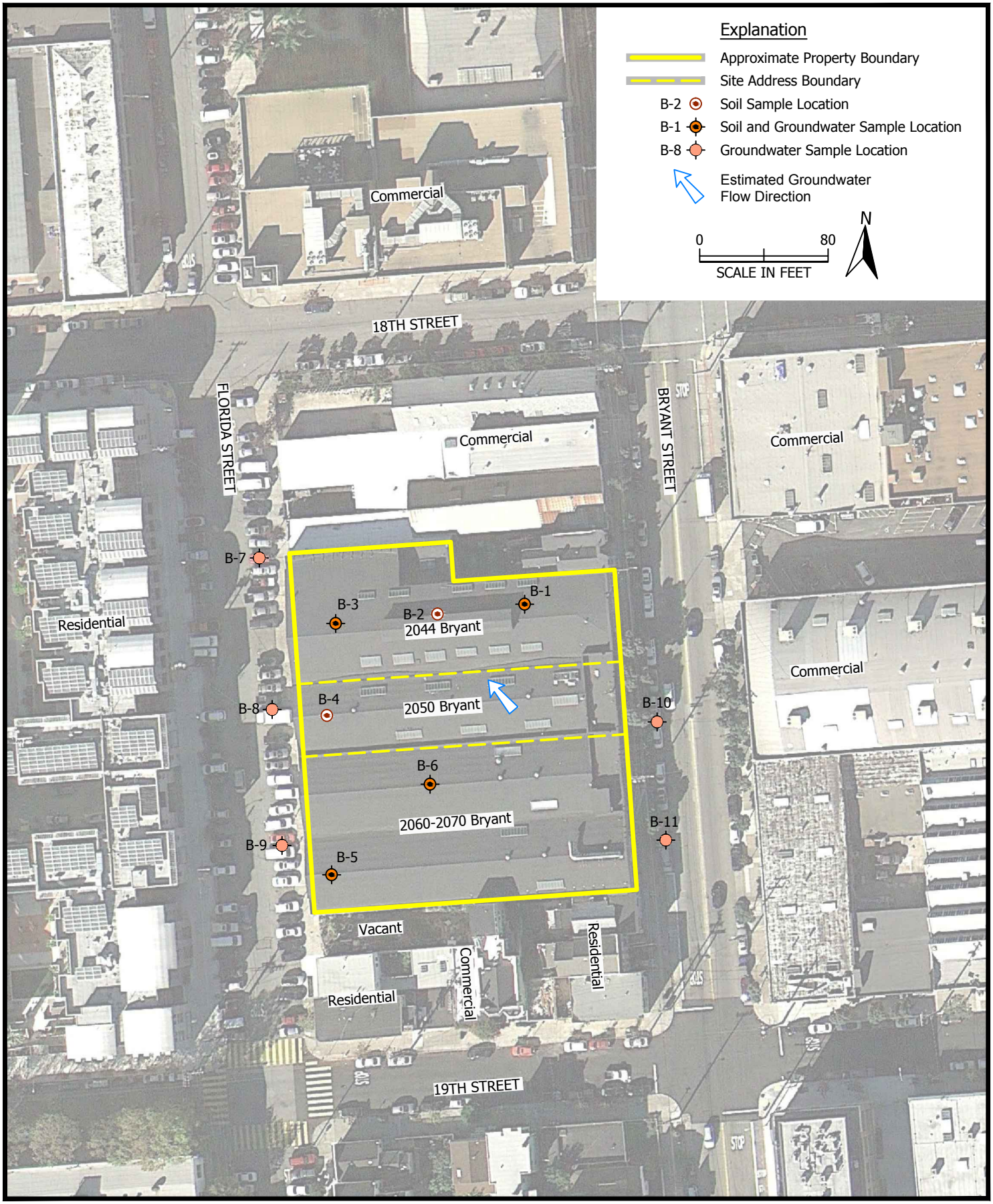
PLATES

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Phase II Investigation
2044-2070 Bryant Street
San Francisco, California

PLATE
1

390.023.01.002	39002301002_INV_1-3	WWM	8/13
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

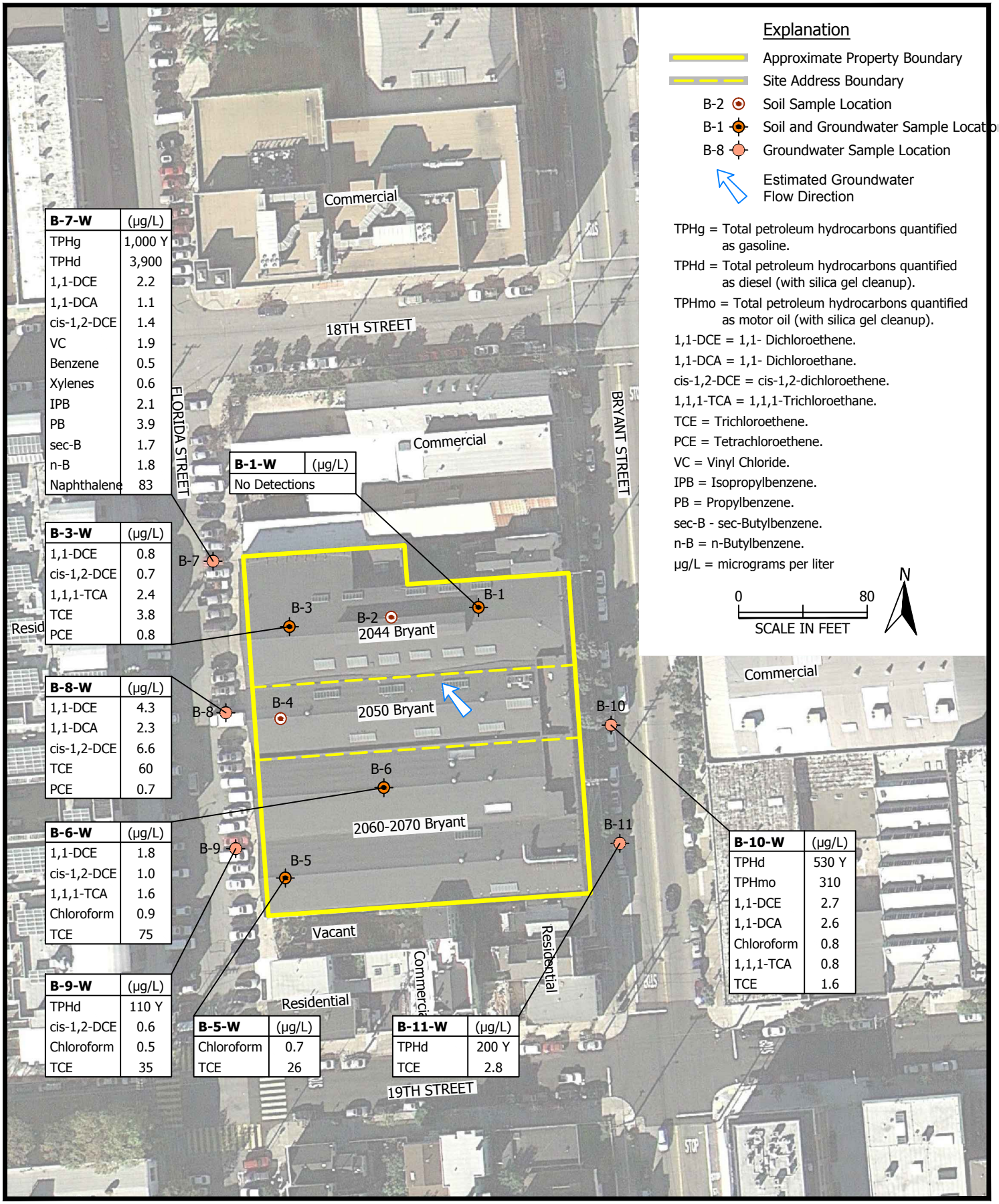


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan with Boring Locations
Phase II Investigation
2044-2070 Bryant Street
San Francisco, California

PLATE
2

390.023.01.002	39002301002_INV_1-3	WWM	8/13
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Analytical Results
Phase II Investigation
2044-2070 Bryant Street
San Francisco, California

PLATE
3

390.023.01.002	39002301002_INV_1-3	WWM	8/13
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORMS


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 244777
ANALYTICAL REPORT

PES Environmental, Inc.
1682 Novato Boulevard
Novato, CA 94947

Project : 390.023.01.001
Location : 2044-2070 Bryant Street
Level : II

Sample ID	Lab ID
B-1-2	244777-001
B-1-5	244777-002
B-2-2	244777-003
B-2-4.5	244777-004
B-3-2	244777-005
B-3-4.5	244777-006
B-4-2	244777-007
B-4-4	244777-008
B-5-2	244777-009
B-5-5	244777-010
B-6-2	244777-011
B-6-5	244777-012

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. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Will Rice Date: 04/30/2013

Will S Rice
Project Manager
(510) 486-0900

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**244777**
Client:	**PES Environmental, Inc.**
Project:	**390.023.01.001**
Location:	**2044-2070 Bryant Street**
Request Date:	**04/24/13**
Samples Received:	**04/24/13**

This data package contains sample and QC results for twelve soil samples, requested for the above referenced project on 04/24/13. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
Matrix spikes QC686007,QC686008 (batch 197822) were not analyzed because there was insufficient sample amount. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
High recovery was observed for diesel C10-C24 in the MS for batch 197811; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Matrix spikes were not performed for this analysis in batch 197800 due to insufficient sample amount. B-6-2 (lab # 244777-011) was not diluted; the low sample weight is due to 5035 packaging. No other 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. Low surrogate recoveries were observed for TCMX in a number of samples; the corresponding decachlorobiphenyl surrogate recoveries were within limits. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

244777

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 390.023-01 001
NAME / LOCATION: 2044-2070 Bryant Street
PROJECT MANAGER: W. Mast

SAMPLERS: Gavin Creps & Justin McPherson
RECORDER: Gavin Creps

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DI H_2O	Methanol	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M *	TPHmo by 8015M *	EPA 8270C	MNA Parameters (see notes)	PCB's EPA 8082	Ti-He 22 Metals EPA 6010B
1	13	04	24	0835	B-1-2			X		1					4	1				X	X	X	X			X	X
2	13	04	24	0846	B-1-5			X		1					4	1												
3				0925	B-2-2			X		1					4	1												
4				0930	B-2-4.5			X		1					4	1												
5				0945	B-3-2			X		1					4	1												
6				0950	B-3-4.5			X		1					4	1												
7				1210	B-4-2			X		1					4	1												
8				1215	B-4-4			X		1					4	1												
9				1250	B-5-2			X		1					4	1												
10				1255	B-5-5			X		1					4	1												
11				1340	B-6-2			X		1					4	1												
12				1345	B-6-5			X		1					4	1												

NOTES

Turn Around Time: Standard
* Silica Gel Cleanup

Page 1 of 1

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	4/24	1610
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	4/24/13	1845
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

COOLER RECEIPT CHECKLIST Curtis & Tompkins, Ltd.

Login # 244777 Date Received 4/24/13 Number of coolers 1
Client PES Project 2044-2070 Bryant Street

Date Opened 4/24/13 By (print) AAT (sign)
Date Logged in 4/25/13 By (print) EL (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
Shipping info

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☑ NO
How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C)

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☑ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? (YES) NO
If YES, what time were they transferred to freezer? 2030
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are there any missing / extra samples? YES (NO)
11. Are samples in the appropriate containers for indicated tests? (YES) NO
12. Are sample labels present, in good condition and complete? (YES) NO
13. Do the sample labels agree with custody papers? (YES) NO
14. Was sufficient amount of sample sent for tests requested? (YES) NO
15. Are the samples appropriately preserved? (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? YES NO (N/A)
17. Did you document your preservative check? YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? (YES) NO N/A
20. Are bubbles > 6mm absent in VOA samples? YES NO (N/A)
21. Was the client contacted concerning this sample delivery? YES (NO)
If YES, Who was called? By Date:

COMMENTS

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Gasoline by GC/FID (5035 Prep)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197822
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000		

Field ID: B-1-2 Lab ID: 244777-001
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.17

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-1-5 Lab ID: 244777-002
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.19

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-2-2 Lab ID: 244777-003
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.23

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	64-139

Field ID: B-2-4.5 Lab ID: 244777-004
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.19

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	111	64-139

Field ID: B-3-2 Lab ID: 244777-005
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.17

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	64-139

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID (5035 Prep)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197822
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000		

Field ID: B-3-4.5 Lab ID: 244777-006
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-4-2 Lab ID: 244777-007
Type: SAMPLE Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-4-4 Lab ID: 244777-008
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.19

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-5-2 Lab ID: 244777-009
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.26

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

Field ID: B-5-5 Lab ID: 244777-010
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.22

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	64-139

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID (5035 Prep)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197822
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000		

Field ID:	B-6-2	Lab ID:	244777-011
Type:	SAMPLE	Analyzed:	04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	64-139

Field ID:	B-6-5	Lab ID:	244777-012
Type:	SAMPLE	Analyzed:	04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	0.18

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	120	64-139

Type:	BLANK	Analyzed:	04/26/13
Lab ID:	QC686006		

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	64-139

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/FID (5035 Prep)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197822
Units:	mg/Kg	Analyzed:	04/26/13
Diln Fac:	1.000		

Type: BS Lab ID: QC686009

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.052	105	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	64-139

Type: BSD Lab ID: QC686010

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1.000	1.009	101	80-120	4	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	64-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197811
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-1-2
Type: SAMPLE
Lab ID: 244777-001
Analyzed: 04/29/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.8 Y	1.0
Motor Oil C24-C36	8.1	5.0

Surrogate	%REC	Limits
o-Terphenyl	111	62-136

Field ID: B-1-5
Type: SAMPLE
Lab ID: 244777-002
Analyzed: 04/29/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Field ID: B-2-2
Type: SAMPLE
Lab ID: 244777-003
Analyzed: 04/29/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	100	1.0
Motor Oil C24-C36	280	5.0

Surrogate	%REC	Limits
o-Terphenyl	121	62-136

Field ID: B-2-4.5
Type: SAMPLE
Lab ID: 244777-004
Analyzed: 04/29/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	14 Y	1.0
Motor Oil C24-C36	27	5.0

Surrogate	%REC	Limits
o-Terphenyl	103	62-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197811
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-3-2 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-005

Analyte	Result	RL
Diesel C10-C24	3.5 Y	1.0
Motor Oil C24-C36	13	5.0

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Field ID: B-3-4.5 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-006

Analyte	Result	RL
Diesel C10-C24	13 Y	1.0
Motor Oil C24-C36	27	5.0

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Field ID: B-4-2 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-007

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	5.1	5.0

Surrogate	%REC	Limits
o-Terphenyl	104	62-136

Field ID: B-4-4 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-008

Analyte	Result	RL
Diesel C10-C24	1.7 Y	1.0
Motor Oil C24-C36	6.4	5.0

Surrogate	%REC	Limits
o-Terphenyl	101	62-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197811
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-5-2 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-009

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	95	62-136

Field ID: B-5-5 Analyzed: 04/29/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-010

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	108	62-136

Field ID: B-6-2 Analyzed: 04/30/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-011

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Field ID: B-6-5 Analyzed: 04/30/13
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 244777-012

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	107	62-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	197811
Units:	mg/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Type:	BLANK	Analyzed:	04/29/13
Lab ID:	QC685952	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC685953	Batch#:	197811
Matrix:	Soil	Prepared:	04/26/13
Units:	mg/Kg	Analyzed:	04/29/13

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.72	37.07	75	62-130

Surrogate	%REC	Limits
o-Terphenyl	90	62-136

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	197811
MSS Lab ID:	244751-015	Sampled:	04/23/13
Matrix:	Soil	Received:	04/23/13
Units:	mg/Kg	Prepared:	04/26/13
Basis:	as received	Analyzed:	04/29/13
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC685954

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	40.50	50.00	123.3	166 *	39-148

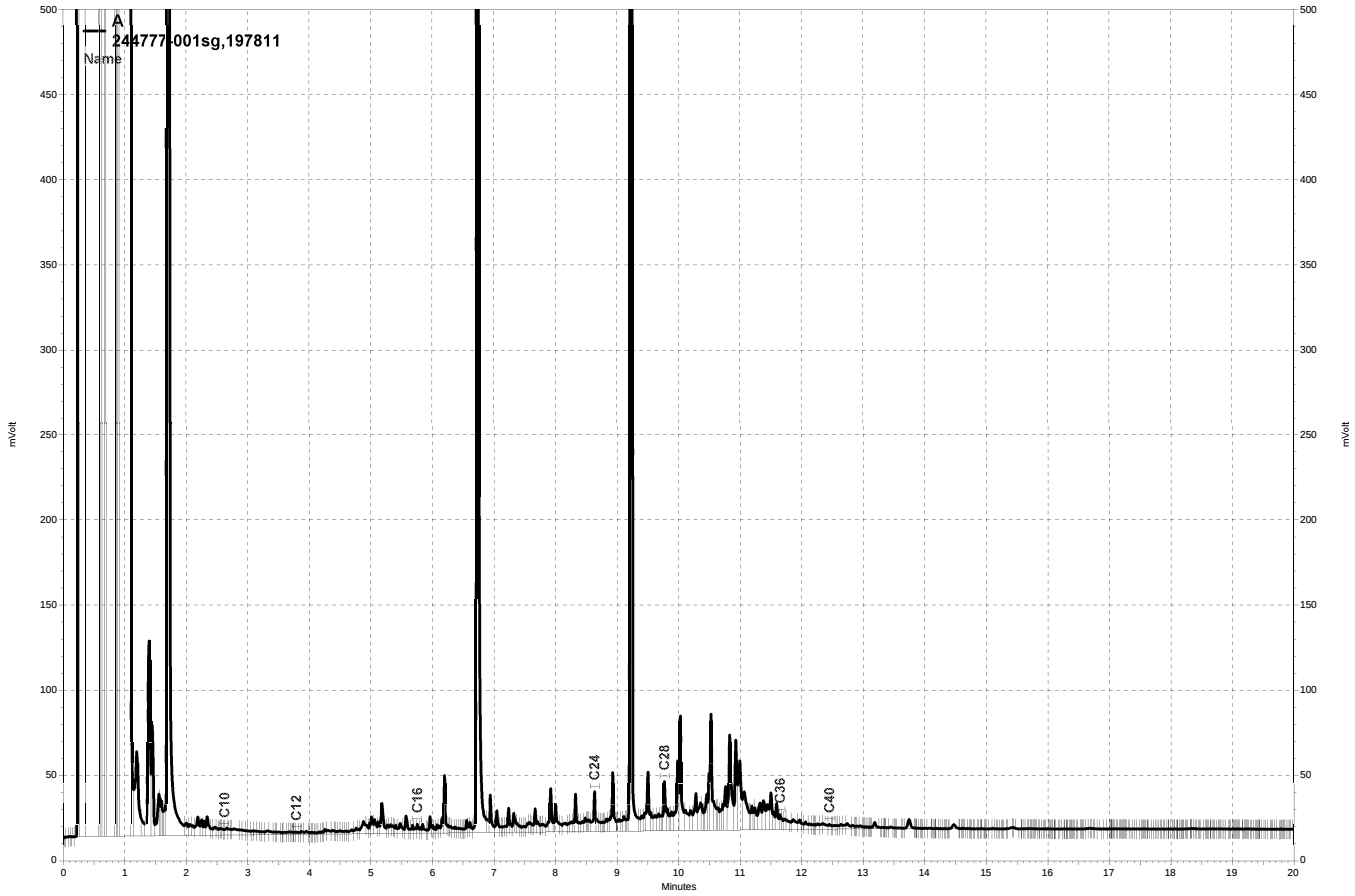
Surrogate	%REC	Limits
o-Terphenyl	125	62-136

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC685955

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.10	106.9	132	39-148	14	45

Surrogate	%REC	Limits
o-Terphenyl	99	62-136

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference



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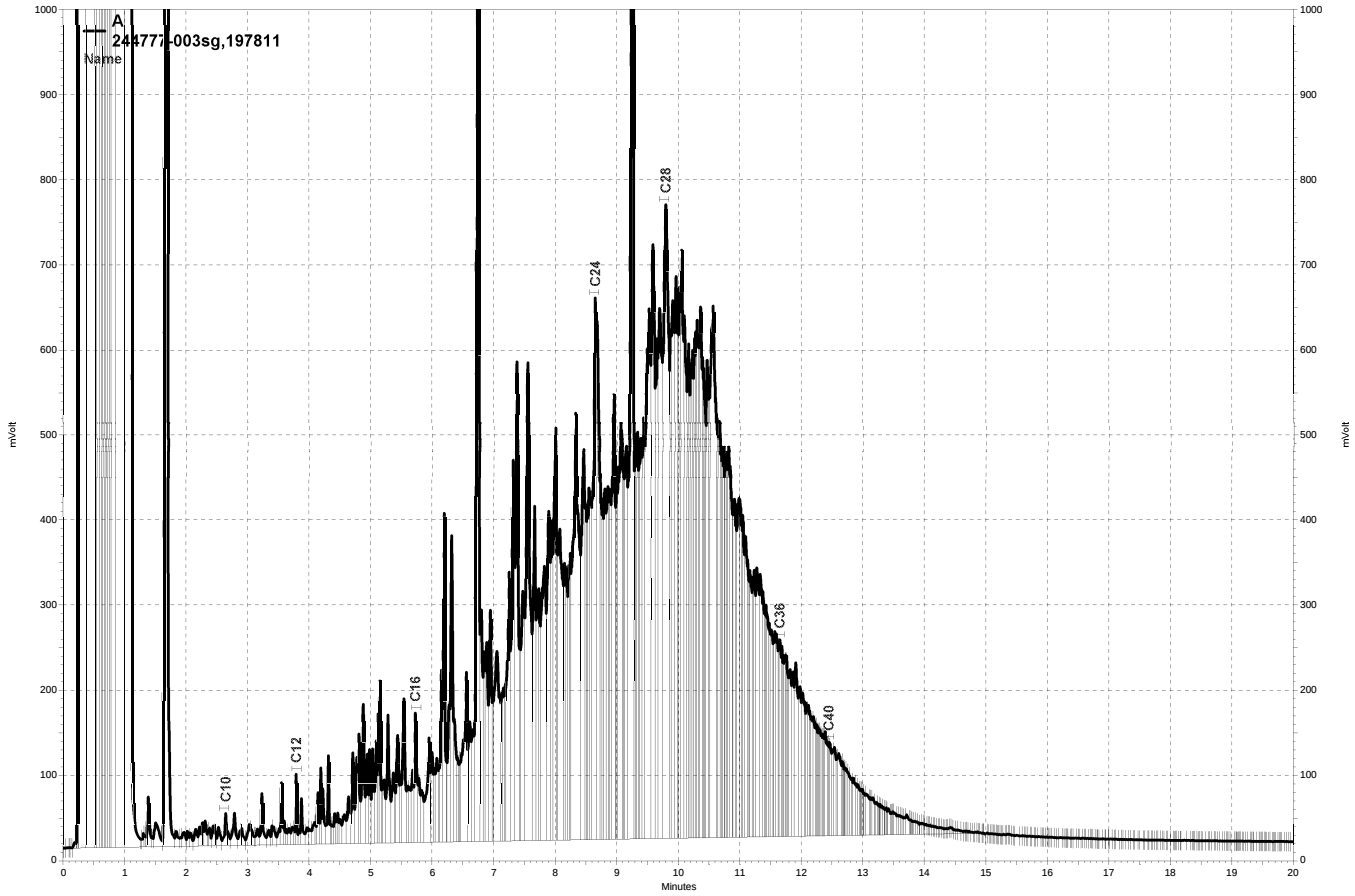

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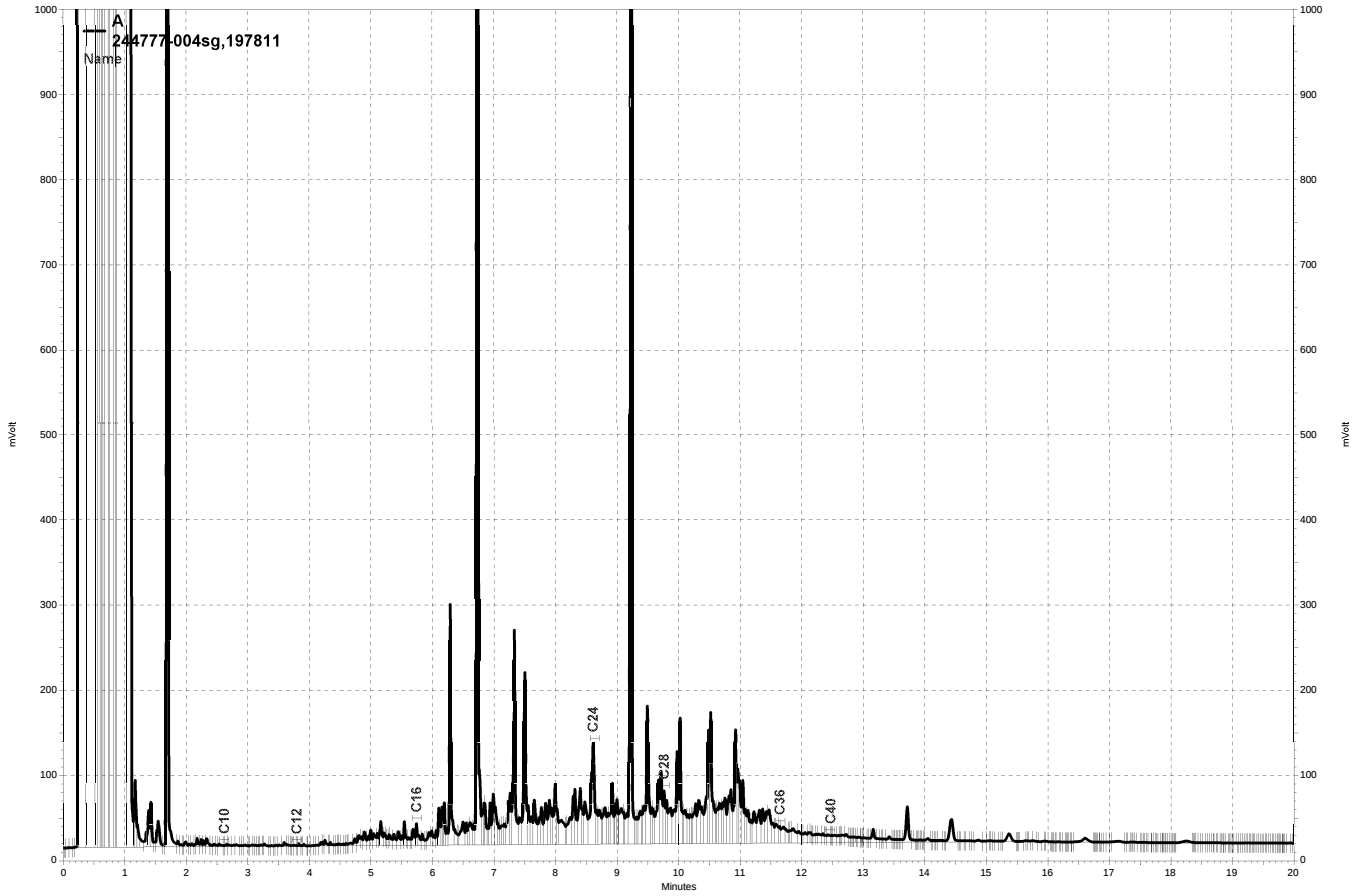

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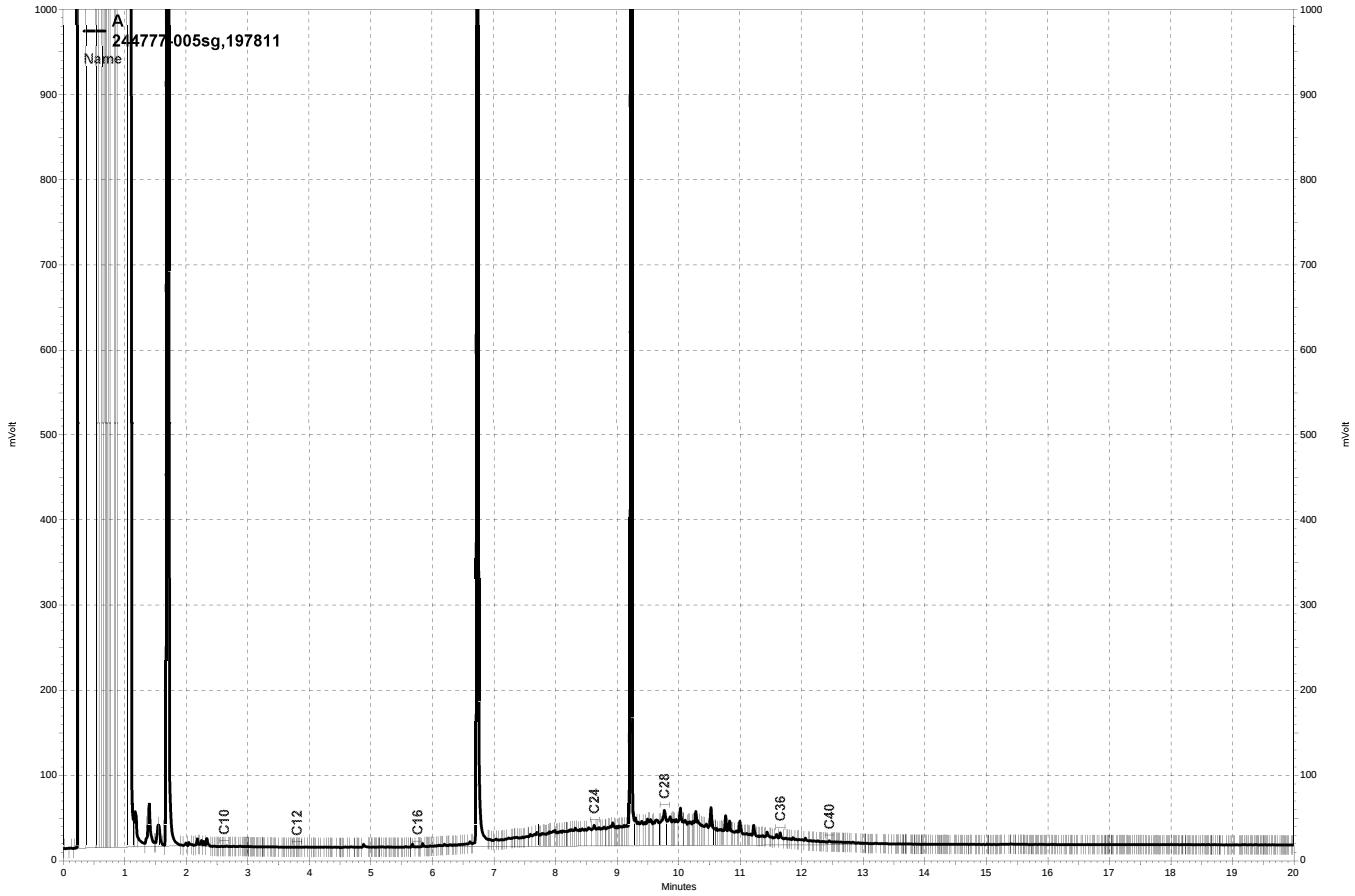

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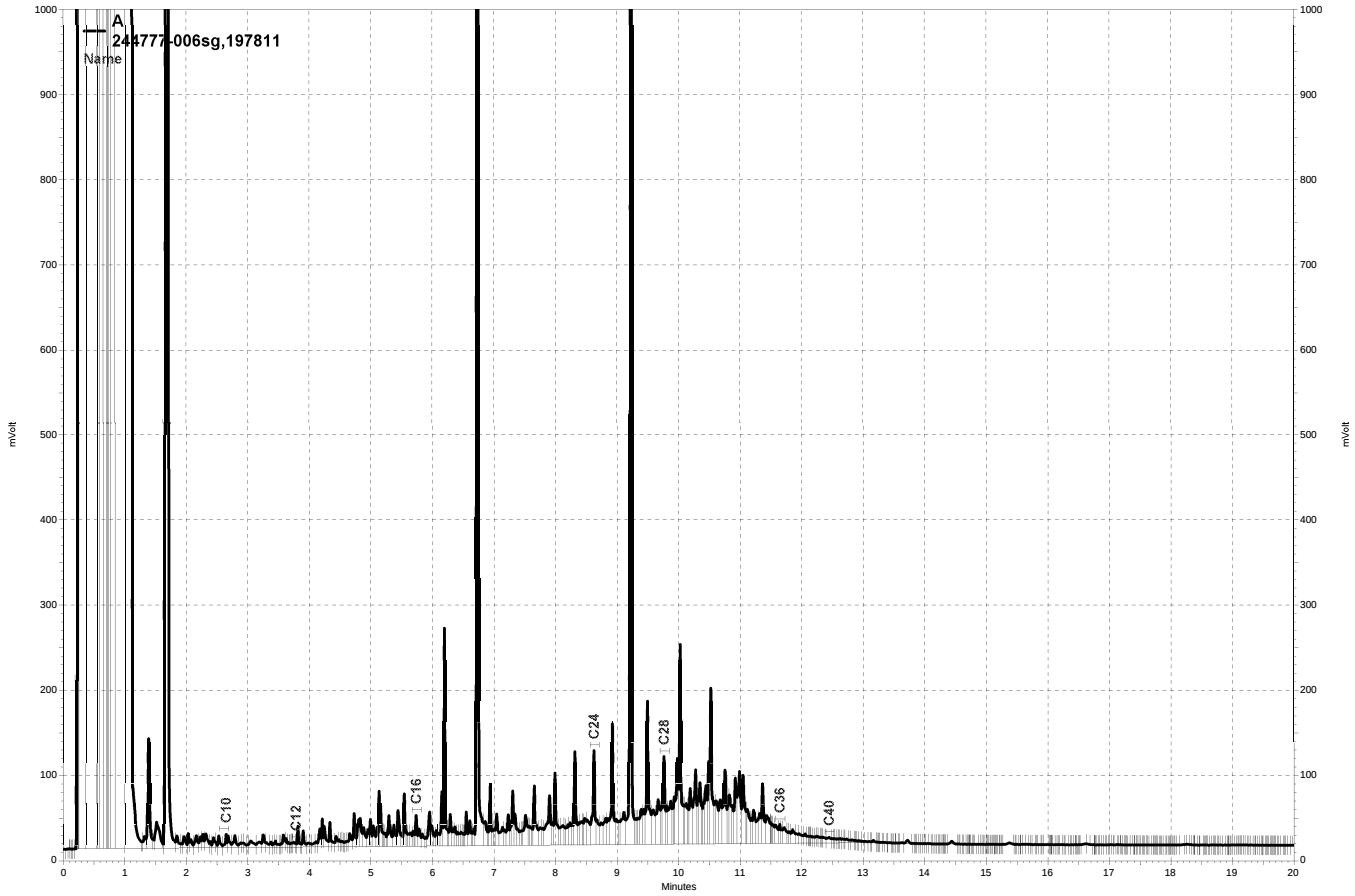

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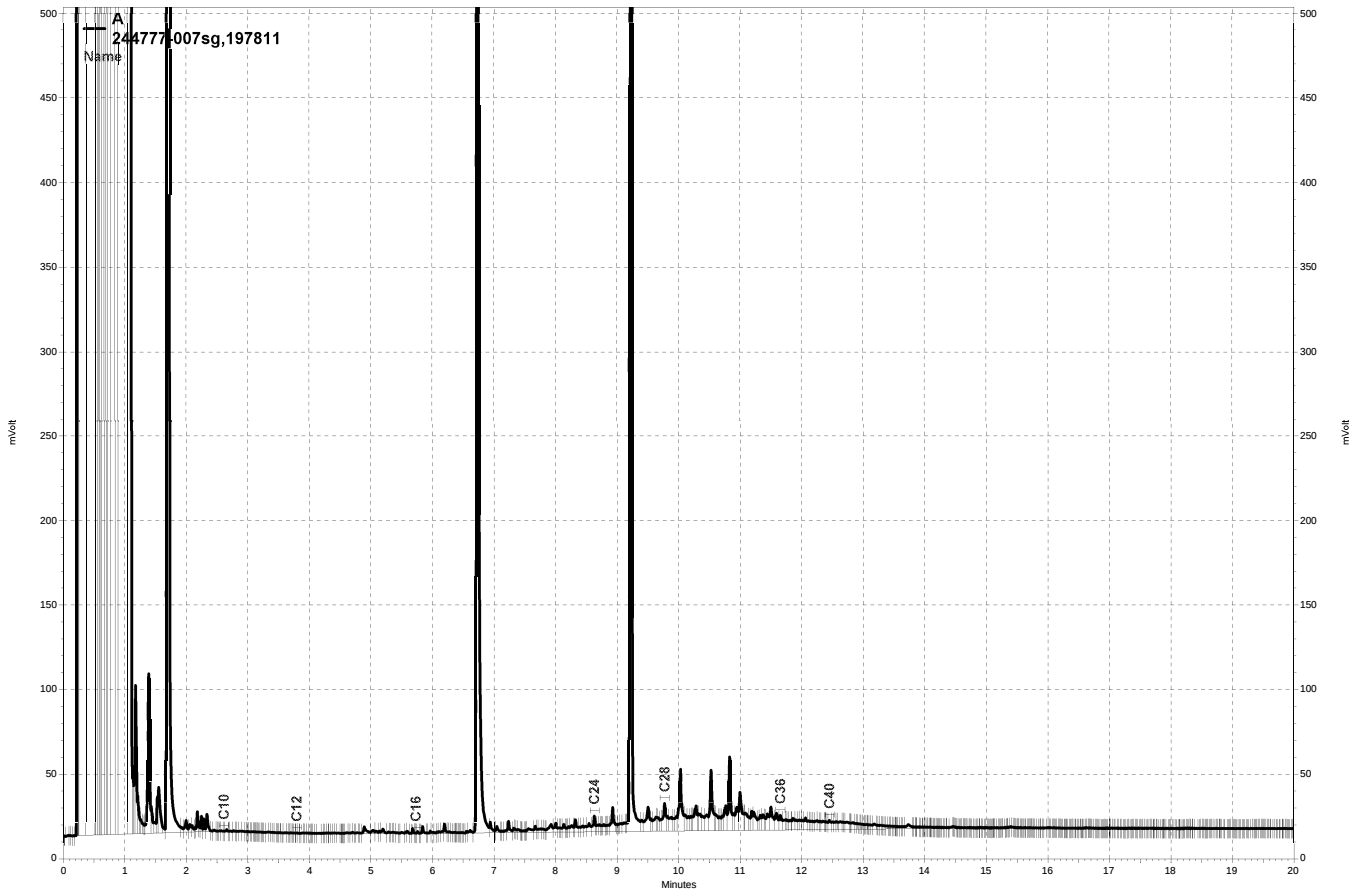

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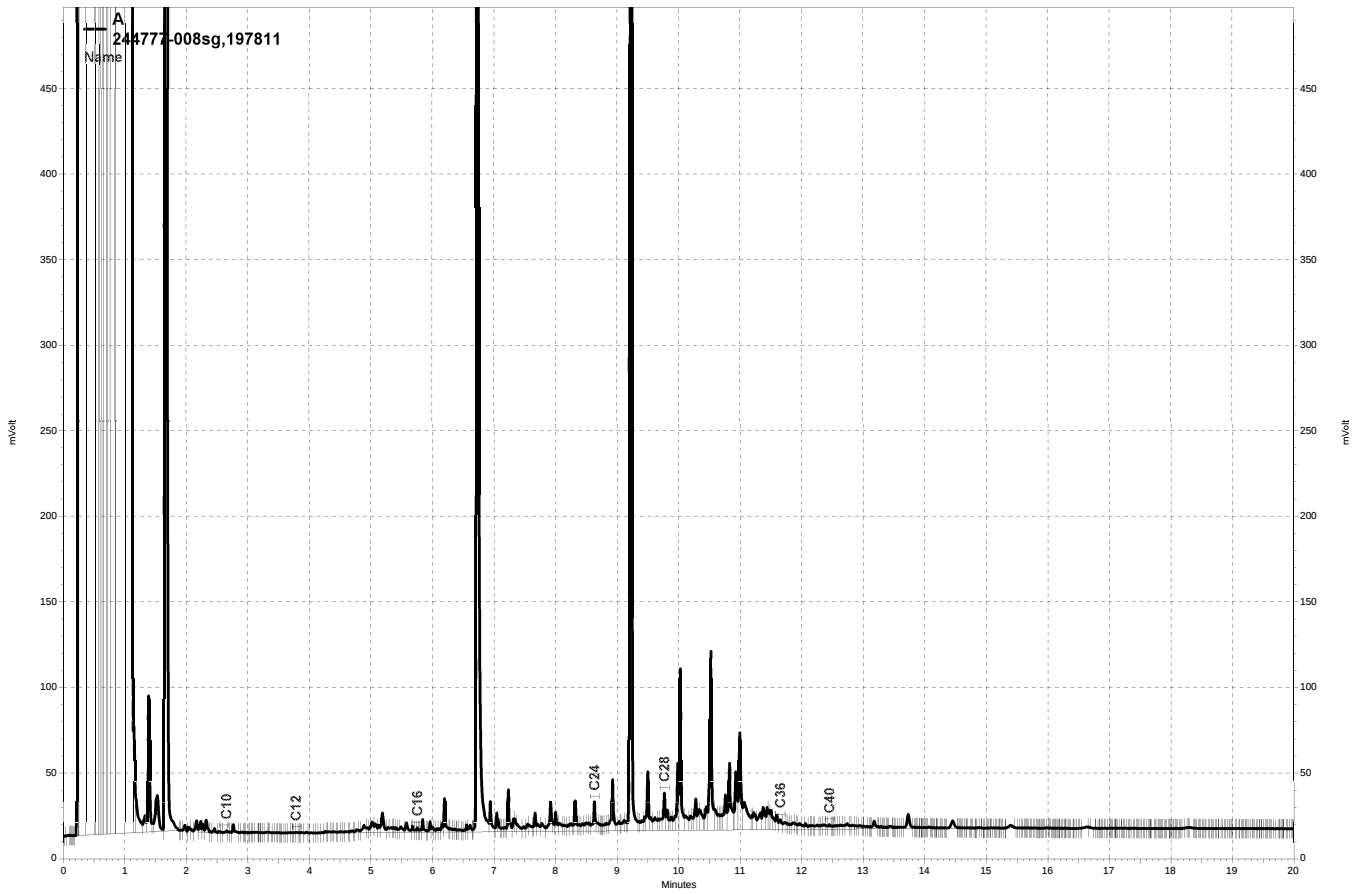

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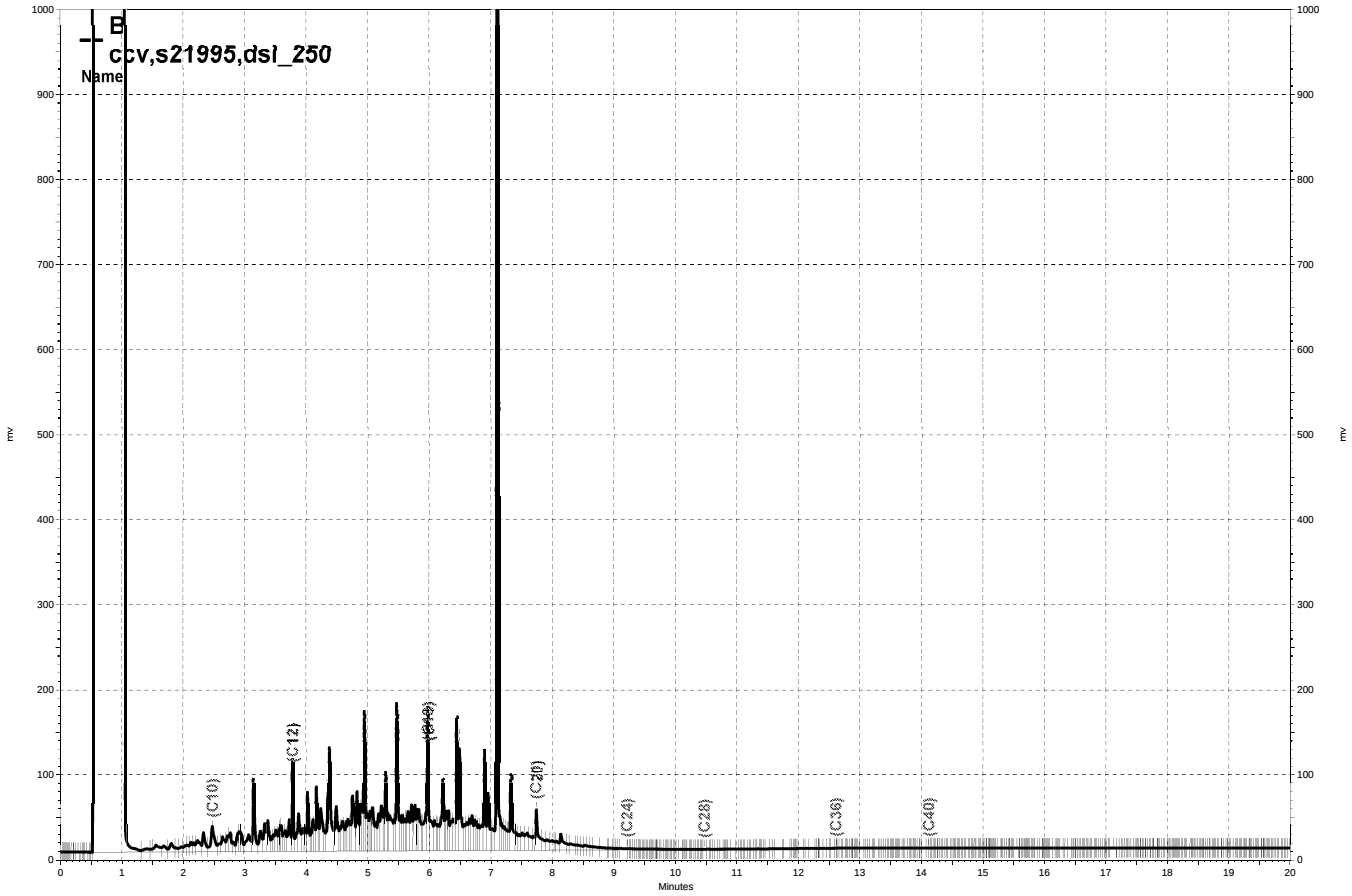

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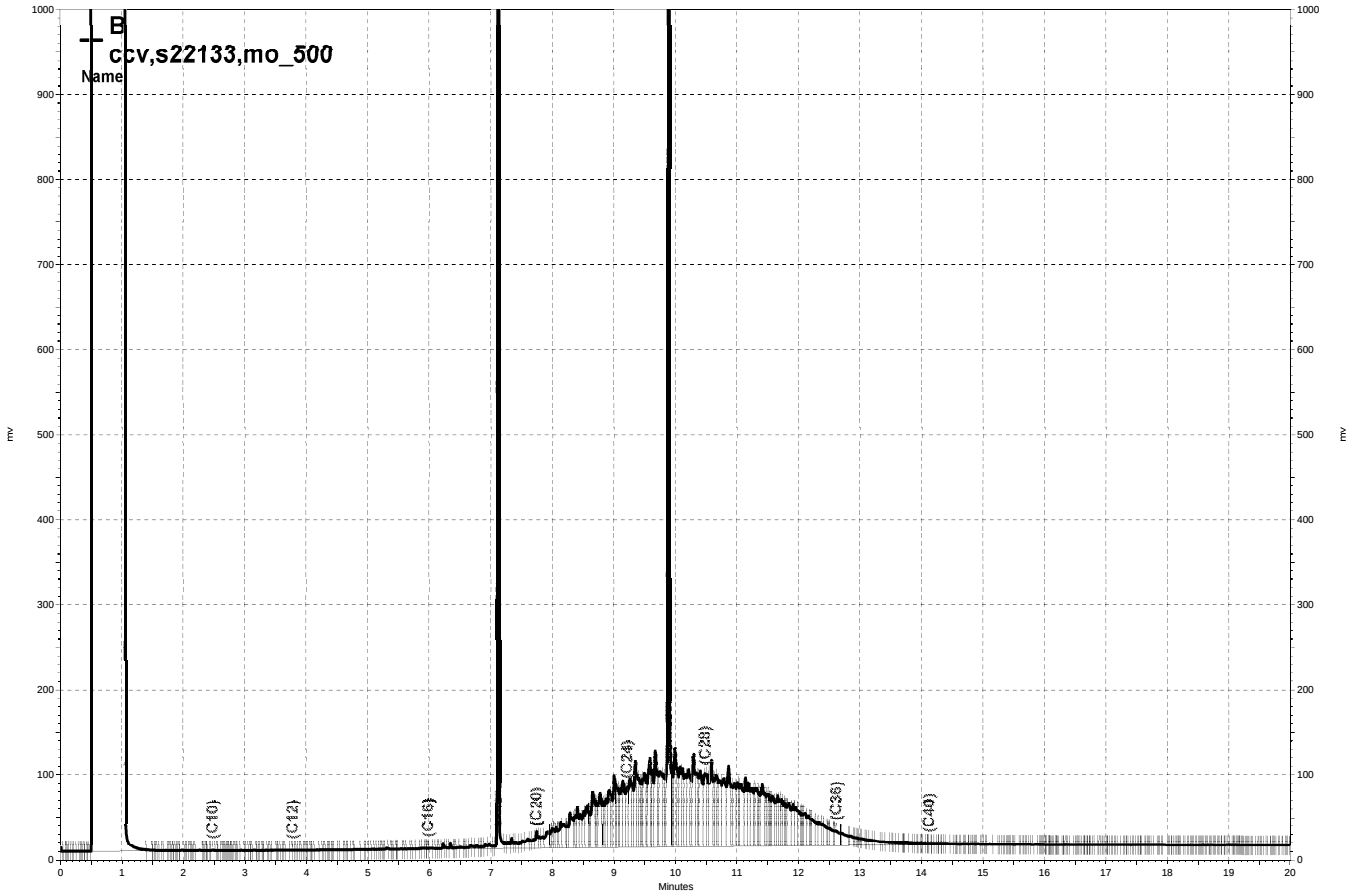

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-2	Diln Fac:	0.7764
Lab ID:	244777-001	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	7.8
Chloromethane	ND	7.8
Vinyl Chloride	ND	7.8
Bromomethane	ND	7.8
Chloroethane	ND	7.8
Trichlorofluoromethane	ND	3.9
Acetone	ND	16
Freon 113	ND	3.9
1,1-Dichloroethene	ND	3.9
Methylene Chloride	ND	16
Carbon Disulfide	ND	3.9
MTBE	ND	3.9
trans-1,2-Dichloroethene	ND	3.9
Vinyl Acetate	ND	39
1,1-Dichloroethane	ND	3.9
2-Butanone	ND	7.8
cis-1,2-Dichloroethene	ND	3.9
2,2-Dichloropropane	ND	3.9
Chloroform	ND	3.9
Bromochloromethane	ND	3.9
1,1,1-Trichloroethane	ND	3.9
1,1-Dichloropropene	ND	3.9
Carbon Tetrachloride	ND	3.9
1,2-Dichloroethane	ND	3.9
Benzene	ND	3.9
Trichloroethene	ND	3.9
1,2-Dichloropropane	ND	3.9
Bromodichloromethane	ND	3.9
Dibromomethane	ND	3.9
4-Methyl-2-Pentanone	ND	7.8
cis-1,3-Dichloropropene	ND	3.9
Toluene	ND	3.9
trans-1,3-Dichloropropene	ND	3.9
1,1,2-Trichloroethane	ND	3.9
2-Hexanone	ND	7.8
1,3-Dichloropropane	ND	3.9
Tetrachloroethene	ND	3.9

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-2	Diln Fac:	0.7764
Lab ID:	244777-001	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	3.9
1,2-Dibromoethane	ND	3.9
Chlorobenzene	ND	3.9
1,1,1,2-Tetrachloroethane	ND	3.9
Ethylbenzene	ND	3.9
m,p-Xylenes	ND	3.9
o-Xylene	ND	3.9
Styrene	ND	3.9
Bromoform	ND	3.9
Isopropylbenzene	ND	3.9
1,1,2,2-Tetrachloroethane	ND	3.9
1,2,3-Trichloropropane	ND	3.9
Propylbenzene	ND	3.9
Bromobenzene	ND	3.9
1,3,5-Trimethylbenzene	ND	3.9
2-Chlorotoluene	ND	3.9
4-Chlorotoluene	ND	3.9
tert-Butylbenzene	ND	3.9
1,2,4-Trimethylbenzene	ND	3.9
sec-Butylbenzene	ND	3.9
para-Isopropyl Toluene	ND	3.9
1,3-Dichlorobenzene	ND	3.9
1,4-Dichlorobenzene	ND	3.9
n-Butylbenzene	ND	3.9
1,2-Dichlorobenzene	ND	3.9
1,2-Dibromo-3-Chloropropane	ND	3.9
1,2,4-Trichlorobenzene	ND	3.9
Hexachlorobutadiene	ND	3.9
Naphthalene	ND	3.9
1,2,3-Trichlorobenzene	ND	3.9

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-124
1,2-Dichloroethane-d4	126	80-137
Toluene-d8	97	80-120
Bromofluorobenzene	98	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-5	Diln Fac:	1.010
Lab ID:	244777-002	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.1
Acetone	ND	20
Freon 113	ND	5.1
1,1-Dichloroethene	ND	5.1
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.1
MTBE	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
Vinyl Acetate	ND	51
1,1-Dichloroethane	ND	5.1
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.1
2,2-Dichloropropane	ND	5.1
Chloroform	ND	5.1
Bromochloromethane	ND	5.1
1,1,1-Trichloroethane	ND	5.1
1,1-Dichloropropene	ND	5.1
Carbon Tetrachloride	ND	5.1
1,2-Dichloroethane	ND	5.1
Benzene	ND	5.1
Trichloroethene	ND	5.1
1,2-Dichloropropane	ND	5.1
Bromodichloromethane	ND	5.1
Dibromomethane	ND	5.1
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.1
Toluene	ND	5.1
trans-1,3-Dichloropropene	ND	5.1
1,1,2-Trichloroethane	ND	5.1
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.1
Tetrachloroethene	ND	5.1

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-5	Diln Fac:	1.010
Lab ID:	244777-002	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	5.1
1,2-Dibromoethane	ND	5.1
Chlorobenzene	ND	5.1
1,1,1,2-Tetrachloroethane	ND	5.1
Ethylbenzene	ND	5.1
m,p-Xylenes	ND	5.1
o-Xylene	ND	5.1
Styrene	ND	5.1
Bromoform	ND	5.1
Isopropylbenzene	ND	5.1
1,1,2,2-Tetrachloroethane	ND	5.1
1,2,3-Trichloropropane	ND	5.1
Propylbenzene	ND	5.1
Bromobenzene	ND	5.1
1,3,5-Trimethylbenzene	ND	5.1
2-Chlorotoluene	ND	5.1
4-Chlorotoluene	ND	5.1
tert-Butylbenzene	ND	5.1
1,2,4-Trimethylbenzene	ND	5.1
sec-Butylbenzene	ND	5.1
para-Isopropyl Toluene	ND	5.1
1,3-Dichlorobenzene	ND	5.1
1,4-Dichlorobenzene	ND	5.1
n-Butylbenzene	ND	5.1
1,2-Dichlorobenzene	ND	5.1
1,2-Dibromo-3-Chloropropane	ND	5.1
1,2,4-Trichlorobenzene	ND	5.1
Hexachlorobutadiene	ND	5.1
Naphthalene	ND	5.1
1,2,3-Trichlorobenzene	ND	5.1

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-124
1,2-Dichloroethane-d4	120	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	93	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-2-2	Diln Fac:	1.066
Lab ID:	244777-003	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	11
Chloromethane	ND	11
Vinyl Chloride	ND	11
Bromomethane	ND	11
Chloroethane	ND	11
Trichlorofluoromethane	ND	5.3
Acetone	ND	21
Freon 113	ND	5.3
1,1-Dichloroethene	ND	5.3
Methylene Chloride	ND	21
Carbon Disulfide	ND	5.3
MTBE	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
Vinyl Acetate	ND	53
1,1-Dichloroethane	ND	5.3
2-Butanone	ND	11
cis-1,2-Dichloroethene	ND	5.3
2,2-Dichloropropane	ND	5.3
Chloroform	ND	5.3
Bromochloromethane	ND	5.3
1,1,1-Trichloroethane	ND	5.3
1,1-Dichloropropene	ND	5.3
Carbon Tetrachloride	ND	5.3
1,2-Dichloroethane	ND	5.3
Benzene	ND	5.3
Trichloroethene	ND	5.3
1,2-Dichloropropane	ND	5.3
Bromodichloromethane	ND	5.3
Dibromomethane	ND	5.3
4-Methyl-2-Pentanone	ND	11
cis-1,3-Dichloropropene	ND	5.3
Toluene	ND	5.3
trans-1,3-Dichloropropene	ND	5.3
1,1,2-Trichloroethane	ND	5.3
2-Hexanone	ND	11
1,3-Dichloropropane	ND	5.3
Tetrachloroethene	ND	5.3

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-2-2	Diln Fac:	1.066
Lab ID:	244777-003	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	5.3
1,2-Dibromoethane	ND	5.3
Chlorobenzene	ND	5.3
1,1,1,2-Tetrachloroethane	ND	5.3
Ethylbenzene	ND	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3
Styrene	ND	5.3
Bromoform	ND	5.3
Isopropylbenzene	ND	5.3
1,1,2,2-Tetrachloroethane	ND	5.3
1,2,3-Trichloropropane	ND	5.3
Propylbenzene	ND	5.3
Bromobenzene	ND	5.3
1,3,5-Trimethylbenzene	ND	5.3
2-Chlorotoluene	ND	5.3
4-Chlorotoluene	ND	5.3
tert-Butylbenzene	ND	5.3
1,2,4-Trimethylbenzene	ND	5.3
sec-Butylbenzene	ND	5.3
para-Isopropyl Toluene	ND	5.3
1,3-Dichlorobenzene	ND	5.3
1,4-Dichlorobenzene	ND	5.3
n-Butylbenzene	ND	5.3
1,2-Dichlorobenzene	ND	5.3
1,2-Dibromo-3-Chloropropane	ND	5.3
1,2,4-Trichlorobenzene	ND	5.3
Hexachlorobutadiene	ND	5.3
Naphthalene	ND	5.3
1,2,3-Trichlorobenzene	ND	5.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-124
1,2-Dichloroethane-d4	124	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	110	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-2-4.5	Diln Fac:	0.9328
Lab ID:	244777-004	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	9.3
Chloromethane	ND	9.3
Vinyl Chloride	ND	9.3
Bromomethane	ND	9.3
Chloroethane	ND	9.3
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.3
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.3
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.3
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-2-4.5	Diln Fac:	0.9328
Lab ID:	244777-004	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-124
1,2-Dichloroethane-d4	122	80-137
Toluene-d8	97	80-120
Bromofluorobenzene	104	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-2	Diln Fac:	0.9225
Lab ID:	244777-005	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	9.2
Chloromethane	ND	9.2
Vinyl Chloride	ND	9.2
Bromomethane	ND	9.2
Chloroethane	ND	9.2
Trichlorofluoromethane	ND	4.6
Acetone	ND	18
Freon 113	ND	4.6
1,1-Dichloroethene	ND	4.6
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.6
MTBE	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
Vinyl Acetate	ND	46
1,1-Dichloroethane	ND	4.6
2-Butanone	ND	9.2
cis-1,2-Dichloroethene	ND	4.6
2,2-Dichloropropane	ND	4.6
Chloroform	ND	4.6
Bromochloromethane	ND	4.6
1,1,1-Trichloroethane	ND	4.6
1,1-Dichloropropene	ND	4.6
Carbon Tetrachloride	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Trichloroethene	ND	4.6
1,2-Dichloropropane	ND	4.6
Bromodichloromethane	ND	4.6
Dibromomethane	ND	4.6
4-Methyl-2-Pentanone	ND	9.2
cis-1,3-Dichloropropene	ND	4.6
Toluene	ND	4.6
trans-1,3-Dichloropropene	ND	4.6
1,1,2-Trichloroethane	ND	4.6
2-Hexanone	ND	9.2
1,3-Dichloropropane	ND	4.6
Tetrachloroethene	ND	4.6

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-2	Diln Fac:	0.9225
Lab ID:	244777-005	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	4.6
1,2-Dibromoethane	ND	4.6
Chlorobenzene	ND	4.6
1,1,1,2-Tetrachloroethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6
Styrene	ND	4.6
Bromoform	ND	4.6
Isopropylbenzene	ND	4.6
1,1,2,2-Tetrachloroethane	ND	4.6
1,2,3-Trichloropropane	ND	4.6
Propylbenzene	ND	4.6
Bromobenzene	ND	4.6
1,3,5-Trimethylbenzene	ND	4.6
2-Chlorotoluene	ND	4.6
4-Chlorotoluene	ND	4.6
tert-Butylbenzene	ND	4.6
1,2,4-Trimethylbenzene	ND	4.6
sec-Butylbenzene	ND	4.6
para-Isopropyl Toluene	ND	4.6
1,3-Dichlorobenzene	ND	4.6
1,4-Dichlorobenzene	ND	4.6
n-Butylbenzene	ND	4.6
1,2-Dichlorobenzene	ND	4.6
1,2-Dibromo-3-Chloropropane	ND	4.6
1,2,4-Trichlorobenzene	ND	4.6
Hexachlorobutadiene	ND	4.6
Naphthalene	ND	4.6
1,2,3-Trichlorobenzene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-124
1,2-Dichloroethane-d4	125	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	93	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-4.5	Diln Fac:	0.8757
Lab ID:	244777-006	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

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	18
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

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-4.5	Diln Fac:	0.8757
Lab ID:	244777-006	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

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	108	80-124
1,2-Dichloroethane-d4	127	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	93	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-4-2	Diln Fac:	1.064
Lab ID:	244777-007	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	11
Chloromethane	ND	11
Vinyl Chloride	ND	11
Bromomethane	ND	11
Chloroethane	ND	11
Trichlorofluoromethane	ND	5.3
Acetone	ND	21
Freon 113	ND	5.3
1,1-Dichloroethene	ND	5.3
Methylene Chloride	ND	21
Carbon Disulfide	ND	5.3
MTBE	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
Vinyl Acetate	ND	53
1,1-Dichloroethane	ND	5.3
2-Butanone	ND	11
cis-1,2-Dichloroethene	ND	5.3
2,2-Dichloropropane	ND	5.3
Chloroform	ND	5.3
Bromochloromethane	ND	5.3
1,1,1-Trichloroethane	ND	5.3
1,1-Dichloropropene	ND	5.3
Carbon Tetrachloride	ND	5.3
1,2-Dichloroethane	ND	5.3
Benzene	ND	5.3
Trichloroethene	ND	5.3
1,2-Dichloropropane	ND	5.3
Bromodichloromethane	ND	5.3
Dibromomethane	ND	5.3
4-Methyl-2-Pentanone	ND	11
cis-1,3-Dichloropropene	ND	5.3
Toluene	ND	5.3
trans-1,3-Dichloropropene	ND	5.3
1,1,2-Trichloroethane	ND	5.3
2-Hexanone	ND	11
1,3-Dichloropropane	ND	5.3
Tetrachloroethene	ND	5.3

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-4-2	Diln Fac:	1.064
Lab ID:	244777-007	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	5.3
1,2-Dibromoethane	ND	5.3
Chlorobenzene	ND	5.3
1,1,1,2-Tetrachloroethane	ND	5.3
Ethylbenzene	ND	5.3
m,p-Xylenes	ND	5.3
o-Xylene	ND	5.3
Styrene	ND	5.3
Bromoform	ND	5.3
Isopropylbenzene	ND	5.3
1,1,2,2-Tetrachloroethane	ND	5.3
1,2,3-Trichloropropane	ND	5.3
Propylbenzene	ND	5.3
Bromobenzene	ND	5.3
1,3,5-Trimethylbenzene	ND	5.3
2-Chlorotoluene	ND	5.3
4-Chlorotoluene	ND	5.3
tert-Butylbenzene	ND	5.3
1,2,4-Trimethylbenzene	ND	5.3
sec-Butylbenzene	ND	5.3
para-Isopropyl Toluene	ND	5.3
1,3-Dichlorobenzene	ND	5.3
1,4-Dichlorobenzene	ND	5.3
n-Butylbenzene	ND	5.3
1,2-Dichlorobenzene	ND	5.3
1,2-Dibromo-3-Chloropropane	ND	5.3
1,2,4-Trichlorobenzene	ND	5.3
Hexachlorobutadiene	ND	5.3
Naphthalene	ND	5.3
1,2,3-Trichlorobenzene	ND	5.3

Surrogate	%REC	Limits
Dibromofluoromethane	115	80-124
1,2-Dichloroethane-d4	130	80-137
Toluene-d8	96	80-120
Bromofluorobenzene	94	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-4-4	Diln Fac:	0.9009
Lab ID:	244777-008	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	9.0
Chloromethane	ND	9.0
Vinyl Chloride	ND	9.0
Bromomethane	ND	9.0
Chloroethane	ND	9.0
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.0
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.0
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.0
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-4-4	Diln Fac:	0.9009
Lab ID:	244777-008	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-124
1,2-Dichloroethane-d4	129	80-137
Toluene-d8	96	80-120
Bromofluorobenzene	99	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-2	Diln Fac:	1.114
Lab ID:	244777-009	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	11
Chloromethane	ND	11
Vinyl Chloride	ND	11
Bromomethane	ND	11
Chloroethane	ND	11
Trichlorofluoromethane	ND	5.6
Acetone	ND	22
Freon 113	ND	5.6
1,1-Dichloroethene	ND	5.6
Methylene Chloride	ND	22
Carbon Disulfide	ND	5.6
MTBE	ND	5.6
trans-1,2-Dichloroethene	ND	5.6
Vinyl Acetate	ND	56
1,1-Dichloroethane	ND	5.6
2-Butanone	ND	11
cis-1,2-Dichloroethene	ND	5.6
2,2-Dichloropropane	ND	5.6
Chloroform	ND	5.6
Bromochloromethane	ND	5.6
1,1,1-Trichloroethane	ND	5.6
1,1-Dichloropropene	ND	5.6
Carbon Tetrachloride	ND	5.6
1,2-Dichloroethane	ND	5.6
Benzene	ND	5.6
Trichloroethene	ND	5.6
1,2-Dichloropropane	ND	5.6
Bromodichloromethane	ND	5.6
Dibromomethane	ND	5.6
4-Methyl-2-Pentanone	ND	11
cis-1,3-Dichloropropene	ND	5.6
Toluene	ND	5.6
trans-1,3-Dichloropropene	ND	5.6
1,1,2-Trichloroethane	ND	5.6
2-Hexanone	ND	11
1,3-Dichloropropane	ND	5.6
Tetrachloroethene	ND	5.6

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-2	Diln Fac:	1.114
Lab ID:	244777-009	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	5.6
1,2-Dibromoethane	ND	5.6
Chlorobenzene	ND	5.6
1,1,1,2-Tetrachloroethane	ND	5.6
Ethylbenzene	ND	5.6
m,p-Xylenes	ND	5.6
o-Xylene	ND	5.6
Styrene	ND	5.6
Bromoform	ND	5.6
Isopropylbenzene	ND	5.6
1,1,2,2-Tetrachloroethane	ND	5.6
1,2,3-Trichloropropane	ND	5.6
Propylbenzene	ND	5.6
Bromobenzene	ND	5.6
1,3,5-Trimethylbenzene	ND	5.6
2-Chlorotoluene	ND	5.6
4-Chlorotoluene	ND	5.6
tert-Butylbenzene	ND	5.6
1,2,4-Trimethylbenzene	ND	5.6
sec-Butylbenzene	ND	5.6
para-Isopropyl Toluene	ND	5.6
1,3-Dichlorobenzene	ND	5.6
1,4-Dichlorobenzene	ND	5.6
n-Butylbenzene	ND	5.6
1,2-Dichlorobenzene	ND	5.6
1,2-Dibromo-3-Chloropropane	ND	5.6
1,2,4-Trichlorobenzene	ND	5.6
Hexachlorobutadiene	ND	5.6
Naphthalene	ND	5.6
1,2,3-Trichlorobenzene	ND	5.6

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-124
1,2-Dichloroethane-d4	125	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	96	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-5	Diln Fac:	0.9025
Lab ID:	244777-010	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	9.0
Chloromethane	ND	9.0
Vinyl Chloride	ND	9.0
Bromomethane	ND	9.0
Chloroethane	ND	9.0
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.0
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.0
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.0
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-5	Diln Fac:	0.9025
Lab ID:	244777-010	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-124
1,2-Dichloroethane-d4	125	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	94	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-2	Diln Fac:	2.110
Lab ID:	244777-011	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	21
Chloromethane	ND	21
Vinyl Chloride	ND	21
Bromomethane	ND	21
Chloroethane	ND	21
Trichlorofluoromethane	ND	11
Acetone	ND	42
Freon 113	ND	11
1,1-Dichloroethene	ND	11
Methylene Chloride	ND	42
Carbon Disulfide	ND	11
MTBE	ND	11
trans-1,2-Dichloroethene	ND	11
Vinyl Acetate	ND	110
1,1-Dichloroethane	ND	11
2-Butanone	ND	21
cis-1,2-Dichloroethene	ND	11
2,2-Dichloropropane	ND	11
Chloroform	ND	11
Bromochloromethane	ND	11
1,1,1-Trichloroethane	ND	11
1,1-Dichloropropene	ND	11
Carbon Tetrachloride	ND	11
1,2-Dichloroethane	ND	11
Benzene	ND	11
Trichloroethene	ND	11
1,2-Dichloropropane	ND	11
Bromodichloromethane	ND	11
Dibromomethane	ND	11
4-Methyl-2-Pentanone	ND	21
cis-1,3-Dichloropropene	ND	11
Toluene	ND	11
trans-1,3-Dichloropropene	ND	11
1,1,2-Trichloroethane	ND	11
2-Hexanone	ND	21
1,3-Dichloropropane	ND	11
Tetrachloroethene	ND	11

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-2	Diln Fac:	2.110
Lab ID:	244777-011	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	11
1,2-Dibromoethane	ND	11
Chlorobenzene	ND	11
1,1,1,2-Tetrachloroethane	ND	11
Ethylbenzene	ND	11
m,p-Xylenes	ND	11
o-Xylene	ND	11
Styrene	ND	11
Bromoform	ND	11
Isopropylbenzene	ND	11
1,1,2,2-Tetrachloroethane	ND	11
1,2,3-Trichloropropane	ND	11
Propylbenzene	ND	11
Bromobenzene	ND	11
1,3,5-Trimethylbenzene	ND	11
2-Chlorotoluene	ND	11
4-Chlorotoluene	ND	11
tert-Butylbenzene	ND	11
1,2,4-Trimethylbenzene	ND	11
sec-Butylbenzene	ND	11
para-Isopropyl Toluene	ND	11
1,3-Dichlorobenzene	ND	11
1,4-Dichlorobenzene	ND	11
n-Butylbenzene	ND	11
1,2-Dichlorobenzene	ND	11
1,2-Dibromo-3-Chloropropane	ND	11
1,2,4-Trichlorobenzene	ND	11
Hexachlorobutadiene	ND	11
Naphthalene	ND	11
1,2,3-Trichlorobenzene	ND	11

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-124
1,2-Dichloroethane-d4	126	80-137
Toluene-d8	95	80-120
Bromofluorobenzene	95	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-5	Diln Fac:	0.9381
Lab ID:	244777-012	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-5	Diln Fac:	0.9381
Lab ID:	244777-012	Batch#:	197800
Matrix:	Soil	Sampled:	04/24/13
Units:	ug/Kg	Received:	04/24/13
Basis:	as received	Analyzed:	04/26/13

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-124
1,2-Dichloroethane-d4	130	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	95	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	197800
Units:	ug/Kg	Analyzed:	04/26/13
Diln Fac:	1.000		

Type: BS Lab ID: QC685911

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	26.18	105	67-132
Benzene	25.00	26.12	104	77-126
Trichloroethene	25.00	28.74	115	76-127
Toluene	25.00	25.56	102	76-124
Chlorobenzene	25.00	25.05	100	76-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-124
1,2-Dichloroethane-d4	116	80-137
Toluene-d8	93	80-120
Bromofluorobenzene	91	79-127

Type: BSD Lab ID: QC685912

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.13	101	67-132	4	27
Benzene	25.00	25.51	102	77-126	2	20
Trichloroethene	25.00	27.43	110	76-127	5	22
Toluene	25.00	24.81	99	76-124	3	26
Chlorobenzene	25.00	24.14	97	76-120	4	21

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-124
1,2-Dichloroethane-d4	117	80-137
Toluene-d8	94	80-120
Bromofluorobenzene	91	79-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685913	Batch#:	197800
Matrix:	Soil	Analyzed:	04/26/13
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	20
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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685913	Batch#:	197800
Matrix:	Soil	Analyzed:	04/26/13
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	104	80-124
1,2-Dichloroethane-d4	117	80-137
Toluene-d8	95	80-120
Bromofluorobenzene	92	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	197818
Units:	ug/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-1-2 Lab ID: 244777-001
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	84	66-142
Decachlorobiphenyl	125	43-139

Field ID: B-1-5 Lab ID: 244777-002
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	84	66-142
Decachlorobiphenyl	118	43-139

Field ID: B-2-2 Lab ID: 244777-003
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	60 *	66-142
Decachlorobiphenyl	89	43-139

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	197818
Units:	ug/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-2-4.5 Lab ID: 244777-004
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	59 *	66-142
Decachlorobiphenyl	89	43-139

Field ID: B-3-2 Lab ID: 244777-005
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	49 *	66-142
Decachlorobiphenyl	76	43-139

Field ID: B-3-4.5 Lab ID: 244777-006
Type: SAMPLE Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	74	66-142
Decachlorobiphenyl	104	43-139

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	197818
Units:	ug/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-4-2 Lab ID: 244777-007
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	58 *	66-142
Decachlorobiphenyl	72	43-139

Field ID: B-4-4 Lab ID: 244777-008
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	48 *	66-142
Decachlorobiphenyl	76	43-139

Field ID: B-5-2 Lab ID: 244777-009
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	67	66-142
Decachlorobiphenyl	92	43-139

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	197818
Units:	ug/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Field ID: B-5-5 Lab ID: 244777-010
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	94	66-142
Decachlorobiphenyl	123	43-139

Field ID: B-6-2 Lab ID: 244777-011
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	73	66-142
Decachlorobiphenyl	59	43-139

Field ID: B-6-5 Lab ID: 244777-012
Type: SAMPLE Analyzed: 04/28/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	66	66-142
Decachlorobiphenyl	62	43-139

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	197818
Units:	ug/Kg	Sampled:	04/24/13
Basis:	as received	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13

Type: BLANK
Lab ID: QC685987

Analyzed: 04/27/13

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	72	66-142
Decachlorobiphenyl	94	43-139

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC685988	Batch#:	197818
Matrix:	Soil	Prepared:	04/26/13
Units:	ug/Kg	Analyzed:	04/28/13

Analyte	Spiked	Result	%REC	Limits
Aroclor-1016	166.8	130.1	78	64-143
Aroclor-1260	166.8	179.6	108	58-146

Surrogate	%REC	Limits
TCMX	103	66-142
Decachlorobiphenyl	92	43-139

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.023.01.001	Analysis:	EPA 8082
Field ID:	B-1-2	Batch#:	197818
MSS Lab ID:	244777-001	Sampled:	04/24/13
Matrix:	Soil	Received:	04/24/13
Units:	ug/Kg	Prepared:	04/26/13
Basis:	as received	Analyzed:	04/28/13
Diln Fac:	1.000		

Type: MS Lab ID: QC685989

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1016	<1.654	168.1	124.3	74	58-155
Aroclor-1260	<1.944	168.1	155.8	93	35-159

Surrogate	%REC	Limits
TCMX	102	66-142
Decachlorobiphenyl	98	43-139

Type: MSD Lab ID: QC685990

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1016	167.6	120.3	72	58-155	3	44
Aroclor-1260	167.6	159.5	95	35-159	3	53

Surrogate	%REC	Limits
TCMX	102	66-142
Decachlorobiphenyl	106	43-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-1-2	Basis:	as received
Lab ID:	244777-001	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.1	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	2.4	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	240	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.28	0.093	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	56	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	26	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	55	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	22	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.082	0.015	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	0.26	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	290	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	57	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	42	0.93	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-1-5	Basis:	as received
Lab ID:	244777-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	2.6	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	40	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.13	0.097	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	110	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	9.0	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	7.8	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	140	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.23	0.015	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	130	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	33	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	28	0.97	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-2-2	Basis:	as received
Lab ID:	244777-003	Sampled:	04/24/13
Matrix:	Soil	Received:	04/24/13
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	18	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	7.2	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	480	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.36	0.097	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	0.31	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	55	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	17	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	130	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	9,500	24	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.35	0.016	1.000	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	1.2	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	92	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	0.61	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	36	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	200	0.97	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-2-4.5	Basis:	as received
Lab ID:	244777-004	Sampled:	04/24/13
Matrix:	Soil	Received:	04/24/13
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.9	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	14	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	340	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.25	0.097	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	0.99	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	120	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	23	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	95	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	1,900	24	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.40	0.015	1.000	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	0.82	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	360	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	0.61	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.49	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	36	0.24	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	1,500	97	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-3-2	Basis:	as received
Lab ID:	244777-005	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.95	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	2.8	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	53	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.24	0.099	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	60	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	8.8	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	11	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	12	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.033	0.016	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	ND	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	49	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	52	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	35	0.99	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-3-4.5	Basis:	as received
Lab ID:	244777-006	Sampled:	04/24/13
Matrix:	Soil	Received:	04/24/13
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	2.9	0.44	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	19	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	880	22	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.54	0.088	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	0.65	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	41	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	9.3	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	220	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	1,600	22	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.086	0.016	1.000	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	1.7	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	62	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.44	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	2.1	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.44	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	44	0.22	1.000	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	640	88	100.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-4-2	Basis:	as received
Lab ID:	244777-007	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.46	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	2.4	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	76	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.25	0.092	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	50	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	7.5	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	11	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	48	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.18	0.016	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	ND	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	39	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.46	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.46	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	38	0.23	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	41	0.92	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-4-4	Basis:	as received
Lab ID:	244777-008	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	8.2	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	3.1	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	110	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.24	0.10	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	59	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	14	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	14	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	200	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	0.14	0.016	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	0.32	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	170	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.50	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	35	0.25	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	150	1.0	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-5-2	Basis:	as received
Lab ID:	244777-009	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	1.4	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	35	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.15	0.094	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	46	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	6.8	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	5.7	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	0.73	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	ND	0.017	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	0.45	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	47	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.47	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	31	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	21	0.94	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-5-5	Basis:	as received
Lab ID:	244777-010	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.48	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	0.92	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	38	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.12	0.095	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	42	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	6.8	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	4.8	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	0.60	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	ND	0.017	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	42	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.48	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.48	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	34	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	21	0.95	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-6-2	Basis:	as received
Lab ID:	244777-011	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/24/13
Units:	mg/Kg	Received:	04/24/13

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Arsenic	2.0	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Barium	55	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Beryllium	0.17	0.097	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Chromium	42	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Cobalt	6.7	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Copper	6.0	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Lead	160	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Mercury	ND	0.017	197814	04/26/13	04/26/13	METHOD	EPA 7471A
Molybdenum	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Nickel	55	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Selenium	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Silver	ND	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Thallium	ND	0.49	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Vanadium	32	0.24	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B
Zinc	24	0.97	197793	04/25/13	04/29/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244777	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-6-5	Diln Fac:	1.000
Lab ID:	244777-012	Sampled:	04/24/13
Matrix:	Soil	Received:	04/24/13
Units:	mg/Kg	Analyzed:	04/29/13
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	0.65	0.50	197793	04/25/13	EPA 3050B	EPA 6010B
Arsenic	ND	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Barium	42	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Beryllium	0.14	0.099	197793	04/25/13	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Chromium	40	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Cobalt	6.2	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Copper	4.3	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Lead	1.1	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Mercury	ND	0.016	197867	04/29/13	METHOD	EPA 7471A
Molybdenum	ND	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Nickel	43	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Selenium	ND	0.50	197793	04/25/13	EPA 3050B	EPA 6010B
Silver	ND	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Thallium	ND	0.50	197793	04/25/13	EPA 3050B	EPA 6010B
Vanadium	25	0.25	197793	04/25/13	EPA 3050B	EPA 6010B
Zinc	22	0.99	197793	04/25/13	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.023.01.001	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685871	Batch#:	197793
Matrix:	Soil	Prepared:	04/25/13
Units:	mg/Kg	Analyzed:	04/26/13

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.26
Lead	ND	0.25
Molybdenum	ND	0.25
Nickel	ND	0.25
Selenium	ND	0.50
Silver	ND	0.25
Thallium	ND	0.50
Vanadium	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.023.01.001	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	197793
Units:	mg/Kg	Prepared:	04/25/13
Diln Fac:	1.000	Analyzed:	04/26/13

Type: BS Lab ID: QC685872

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	101.6	102	80-120
Arsenic	50.00	50.86	102	80-120
Barium	100.0	102.0	102	80-120
Beryllium	2.500	2.650	106	80-120
Cadmium	10.00	10.70	107	80-120
Chromium	100.0	101.3	101	80-120
Cobalt	25.00	25.42	102	80-120
Copper	12.50	13.36	107	80-120
Lead	100.0	99.90	100	80-120
Molybdenum	20.00	20.78	104	80-120
Nickel	25.00	25.42	102	80-120
Selenium	50.00	48.54	97	80-120
Silver	10.00	9.981	100	80-120
Thallium	50.00	49.81	100	80-120
Vanadium	25.00	25.54	102	80-120
Zinc	25.00	25.39	102	80-120

Type: BSD Lab ID: QC685873

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	101.0	101	80-120	1	20
Arsenic	50.00	50.45	101	80-120	1	20
Barium	100.0	101.9	102	80-120	0	20
Beryllium	2.500	2.641	106	80-120	0	20
Cadmium	10.00	10.69	107	80-120	0	20
Chromium	100.0	101.3	101	80-120	0	20
Cobalt	25.00	25.32	101	80-120	0	20
Copper	12.50	13.28	106	80-120	1	20
Lead	100.0	99.79	100	80-120	0	22
Molybdenum	20.00	20.65	103	80-120	1	20
Nickel	25.00	25.43	102	80-120	0	20
Selenium	50.00	48.08	96	80-120	1	20
Silver	10.00	9.888	99	80-120	1	20
Thallium	50.00	49.56	99	80-120	1	20
Vanadium	25.00	25.51	102	80-120	0	20
Zinc	25.00	25.47	102	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.023.01.001	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	197793
MSS Lab ID:	244718-001	Sampled:	04/17/13
Matrix:	Soil	Received:	04/22/13
Units:	mg/Kg	Prepared:	04/25/13
Basis:	as received	Analyzed:	04/26/13
Diln Fac:	1.000		

Type: MS Lab ID: QC685874

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.1528	95.24	36.80	39	8-120
Arsenic	3.894	47.62	48.74	94	71-121
Barium	194.9	95.24	312.8	124	48-133
Beryllium	0.4194	2.381	2.831	101	78-120
Cadmium	0.05728	9.524	9.196	96	69-120
Chromium	213.3	95.24	290.3	81	60-122
Cobalt	29.43	23.81	52.56	97	61-120
Copper	39.64	11.90	54.97	129	44-151
Lead	10.74	95.24	95.68	89	52-120
Molybdenum	0.3834	19.05	17.33	89	67-120
Nickel	297.5	23.81	321.4	100 NM	45-134
Selenium	2.443	47.62	45.05	89	67-120
Silver	<0.07188	9.524	6.912	73	66-120
Thallium	<0.1568	47.62	37.19	78	62-120
Vanadium	51.77	23.81	83.78	134	55-137
Zinc	60.19	23.81	86.84	112	38-146

Type: MSD Lab ID: QC685875

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	93.46	33.63	36	8-120	7	29
Arsenic	46.73	46.33	91	71-121	3	34
Barium	93.46	285.3	97	48-133	9	45
Beryllium	2.336	2.703	98	78-120	3	20
Cadmium	9.346	8.784	93	69-120	3	23
Chromium	93.46	300.5	93	60-122	4	34
Cobalt	23.36	51.96	96	61-120	0	37
Copper	11.68	50.37	92	44-151	8	35
Lead	93.46	92.57	88	52-120	2	51
Molybdenum	18.69	16.82	88	67-120	1	20
Nickel	23.36	305.8	36 NM	45-134	5	38
Selenium	46.73	41.28	83	67-120	7	27
Silver	9.346	6.826	73	66-120	1	30
Thallium	46.73	36.23	78	62-120	1	20
Vanadium	23.36	76.27	105	55-137	9	30
Zinc	23.36	79.68	83	38-146	8	36

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	197814
Lab ID:	QC685962	Prepared:	04/26/13
Matrix:	Soil	Analyzed:	04/26/13
Units:	mg/Kg		

Result	RL
ND	0.017

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Batch#:	197814
Matrix:	Soil	Prepared:	04/26/13
Units:	mg/Kg	Analyzed:	04/26/13
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC685963	0.2083	0.1901	91	80-120		
BSD	QC685964	0.2083	0.1909	92	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	197814
MSS Lab ID:	244793-001	Sampled:	04/25/13
Matrix:	Soil	Received:	04/25/13
Units:	mg/Kg	Prepared:	04/26/13
Basis:	as received	Analyzed:	04/26/13

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC685965	0.03204	0.2119	0.2337	95	72-135		
MSD	QC685966		0.2083	0.2273	94	72-135	1	42

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	197867
Lab ID:	QC686166	Prepared:	04/29/13
Matrix:	Soil	Analyzed:	04/29/13
Units:	mg/Kg		

Result	RL
ND	0.017

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	LCS	Batch#:	197867
Lab ID:	QC686167	Prepared:	04/29/13
Matrix:	Soil	Analyzed:	04/29/13
Units:	mg/Kg		

Spiked	Result	%REC	Limits
0.2083	0.2250	108	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244777	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	197867
MSS Lab ID:	244754-012	Sampled:	04/23/13
Matrix:	Soil	Received:	04/23/13
Units:	mg/Kg	Prepared:	04/29/13
Basis:	as received	Analyzed:	04/29/13

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC686168	0.08443	0.2049	0.2623	87	72-135		
MSD	QC686169		0.2016	0.2637	89	72-135	2	42

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 244778
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 390.023.01.001
1682 Novato Boulevard	Location : 2044-2070 Bryant Street
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-1-W	244778-001
B-3-W	244778-002
B-5-W	244778-003
B-6-W	244778-004

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. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 05/01/2013

Will S Rice
Project Manager
(510) 486-0900

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**244778**
Client:	**PES Environmental, Inc.**
Project:	**390.023.01.001**
Location:	**2044-2070 Bryant Street**
Request Date:	**04/24/13**
Samples Received:	**04/24/13**

This data package contains sample and QC results for four water samples, requested for the above referenced project on 04/24/13. 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):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
B-5-W (lab # 244778-003) was analyzed with more than 1 mL of headspace in the VOA vial. B-5-W (lab # 244778-003) had multiple vials combined due to sediment. No other 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. Low surrogate recovery was observed for TCMX in B-1-W (lab # 244778-001); the corresponding decachlorobiphenyl surrogate recovery was within limits. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
Low recoveries were observed for mercury in the MS/MSD for batch 197815; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was also observed for mercury; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

244778

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins

JOB NUMBER: 390.023 01.001

NAME / LOCATION: 2044 - 2070 Bryant Street

PROJECT MANAGER: W. Mast

SAMPLERS: Gavin Creps & Justin Patterson

RECORDER: Gavin Creps

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET
1	13	04	24	1035	B-1-W		X			3			1	3	
2	↓	↓	↓	1125	B-3-W		X			3			1	3	
3	↓	↓	↓	1405	B-5-W		X			3			1	3	
4	↓	↓	↓	1425	B-6-W		X			3			1	3	

ANALYSIS REQUESTED

Sample	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M *	TPHmo by 8015M *	EPA 8270C	MNA Parameters (see notes)	PCBs EPA 8082	Title 22 Metals EPA 6010B
B-1-W			X	X	X	X			X	X
B-3-W			↓	↓	↓	↓			↓	↓
B-5-W			↓	↓	↓	↓			↓	↓
B-6-W			↓	↓	↓	↓			↓	↓

NOTES

Turn Around Time: Standard

* - Silica gel cleanup

Page 1 of 1

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature] 4/24 1610	[signature]	4/24	1610
[signature] 4/24 1845	[signature]	4/24/13	1845

DISPATCHED BY: (Signature)	DATE	TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 244778 Date Received 4/24/13 Number of coolers 1
Client PES Project 2044-2070 Bryant Street

Date Opened 4/24/13 By (print) JAM (sign)
Date Logged in 4/25/13 By (print) EL (sign)

1. Did cooler come with a shipping slip (airbill, etc)_____ YES (NO)
   Shipping info_____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ NO
   How many _____ Name_____ Date_____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received?_____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form)_____ (YES) NO
6. Indicate the packing in cooler: (if other, describe)_____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C)_____

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☑ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present?_____ YES (NO)
   If YES, what time were they transferred to freezer?_____
9. Did all bottles arrive unbroken/unopened?_____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? _____ (YES) NO N/A
17. Did you document your preservative check? _____ (YES) NO N/A
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____

Rev 10, 11/11

Curtis & Tompkins Sample Preservation for 244778

Sample	pH: <2	>9	>12	Other
-001a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[X]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____
-002a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[X]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____
-003a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[X]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____
-004a	[ ]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
c	[ ]	[ ]	[ ]	_____
d	[X]	[ ]	[ ]	_____
e	[ ]	[ ]	[ ]	_____
f	[ ]	[ ]	[ ]	_____
g	[ ]	[ ]	[ ]	_____

Analyst: SL
Date: 4/25/13

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	197823
Units:	ug/L	Sampled:	04/24/13
Diln Fac:	1.000	Received:	04/24/13

Field ID: B-1-W
Type: SAMPLE
Lab ID: 244778-001
Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	76-128

Field ID: B-3-W
Type: SAMPLE
Lab ID: 244778-002
Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	76-128

Field ID: B-5-W
Type: SAMPLE
Lab ID: 244778-003
Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	76-128

Field ID: B-6-W
Type: SAMPLE
Lab ID: 244778-004
Analyzed: 04/27/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	76-128

Type: BLANK
Lab ID: QC686012
Analyzed: 04/26/13

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	76-128

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC686011	Batch#:	197823
Matrix:	Water	Analyzed:	04/26/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,069	107	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	197823
MSS Lab ID:	244697-001	Sampled:	04/19/13
Matrix:	Water	Received:	04/19/13
Units:	ug/L	Analyzed:	04/27/13
Diln Fac:	1.000		

Type: MS Lab ID: QC686013

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	51.34	2,000	1,878	91	76-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	76-128

Type: MSD Lab ID: QC686014

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,876	91	76-120	0	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	118	76-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/24/13
Units:	ug/L	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/25/13
Batch#:	197782		

Field ID: B-1-W
Type: SAMPLE
Lab ID: 244778-001
Analyzed: 04/30/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	89	62-133

Field ID: B-3-W
Type: SAMPLE
Lab ID: 244778-002
Analyzed: 04/30/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	92	62-133

Field ID: B-5-W
Type: SAMPLE
Lab ID: 244778-003
Analyzed: 04/30/13
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	84	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/24/13
Units:	ug/L	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/25/13
Batch#:	197782		

Field ID:	B-6-W	Analyzed:	04/30/13
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	244778-004		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	87	62-133

Type:	BLANK	Analyzed:	04/29/13
Lab ID:	QC685822	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	89	62-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	197782
Units:	ug/L	Prepared:	04/25/13
Diln Fac:	1.000	Analyzed:	04/30/13

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC685823

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,774	71	59-120

Surrogate	%REC	Limits
o-Terphenyl	84	62-133

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC685824

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,946	78	59-120	9	46

Surrogate	%REC	Limits
o-Terphenyl	95	62-133

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-W	Batch#:	197807
Lab ID:	244778-001	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-1-W	Batch#:	197807
Lab ID:	244778-001	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-134
1,2-Dichloroethane-d4	101	72-140
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-W	Batch#:	197807
Lab ID:	244778-002	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	0.8	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.7	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	2.4	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	3.8	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	0.8	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-3-W	Batch#:	197807
Lab ID:	244778-002	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-134
1,2-Dichloroethane-d4	101	72-140
Toluene-d8	108	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-W	Batch#:	197870
Lab ID:	244778-003	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/29/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	0.7	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	26	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-5-W	Batch#:	197870
Lab ID:	244778-003	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/29/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-134
1,2-Dichloroethane-d4	121	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-W	Batch#:	197807
Lab ID:	244778-004	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	1.8	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	1.0	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	1.6	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	0.9	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	75	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	B-6-W	Batch#:	197807
Lab ID:	244778-004	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	77-134
1,2-Dichloroethane-d4	103	72-140
Toluene-d8	109	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685933	Batch#:	197807
Matrix:	Water	Analyzed:	04/26/13
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685933	Batch#:	197807
Matrix:	Water	Analyzed:	04/26/13
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-134
1,2-Dichloroethane-d4	99	72-140
Toluene-d8	108	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	197807
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Type: BS Lab ID: QC685934

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	22.50	18.05	80	61-137
Benzene	22.50	19.25	86	78-125
Trichloroethene	22.50	18.62	83	77-122
Toluene	22.50	21.55	96	79-123
Chlorobenzene	22.50	20.64	92	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	77-134
1,2-Dichloroethane-d4	97	72-140
Toluene-d8	108	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC685935

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	22.50	16.61	74	61-137	8	24
Benzene	22.50	18.50	82	78-125	4	20
Trichloroethene	22.50	17.88	79	77-122	4	20
Toluene	22.50	20.45	91	79-123	5	20
Chlorobenzene	22.50	20.22	90	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	77-134
1,2-Dichloroethane-d4	100	72-140
Toluene-d8	108	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	197807
MSS Lab ID:	244779-003	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Type: MS Lab ID: QC685985

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1268	25.00	20.77	83	68-130
Benzene	<0.1000	25.00	23.97	96	80-125
Trichloroethene	<0.1000	25.00	22.76	91	72-123
Toluene	<0.1000	25.00	26.40	106	80-122
Chlorobenzene	<0.1000	25.00	26.17	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	77-134
1,2-Dichloroethane-d4	103	72-140
Toluene-d8	108	80-120
Bromofluorobenzene	97	80-120

Type: MSD Lab ID: QC685986

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	19.27	77	68-130	7	26
Benzene	25.00	22.50	90	80-125	6	21
Trichloroethene	25.00	21.23	85	72-123	7	20
Toluene	25.00	25.05	100	80-122	5	21
Chlorobenzene	25.00	24.73	99	80-120	6	21

Surrogate	%REC	Limits
Dibromofluoromethane	97	77-134
1,2-Dichloroethane-d4	104	72-140
Toluene-d8	109	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	197870
Units:	ug/L	Analyzed:	04/29/13
Diln Fac:	1.000		

Type: BS Lab ID: QC686180

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.75	94	61-137
Benzene	12.50	13.93	111	78-125
Trichloroethene	12.50	14.16	113	77-122
Toluene	12.50	13.12	105	79-123
Chlorobenzene	12.50	12.69	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	77-134
1,2-Dichloroethane-d4	128	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-120

Type: BSD Lab ID: QC686181

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.33	91	61-137	4	24
Benzene	12.50	13.53	108	78-125	3	20
Trichloroethene	12.50	13.83	111	77-122	2	20
Toluene	12.50	12.99	104	79-123	1	20
Chlorobenzene	12.50	12.83	103	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	107	77-134
1,2-Dichloroethane-d4	127	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC686182	Batch#:	197870
Matrix:	Water	Analyzed:	04/29/13
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC686182	Batch#:	197870
Matrix:	Water	Analyzed:	04/29/13
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	77-134
1,2-Dichloroethane-d4	127	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Water	Sampled:	04/24/13
Units:	ug/L	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13
Batch#:	197825		

Field ID: B-1-W
Type: SAMPLE
Lab ID: 244778-001
Analyzed: 05/01/13

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	36 *	47-120
Decachlorobiphenyl	44	33-120

Field ID: B-3-W
Type: SAMPLE
Lab ID: 244778-002
Analyzed: 05/01/13

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	67	47-120
Decachlorobiphenyl	72	33-120

Field ID: B-5-W
Type: SAMPLE
Lab ID: 244778-003
Analyzed: 05/01/13

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	63	47-120
Decachlorobiphenyl	78	33-120

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Water	Sampled:	04/24/13
Units:	ug/L	Received:	04/24/13
Diln Fac:	1.000	Prepared:	04/26/13
Batch#:	197825		

Field ID:	B-6-W	Lab ID:	244778-004
Type:	SAMPLE	Analyzed:	05/01/13

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	67	47-120
Decachlorobiphenyl	83	33-120

Type:	BLANK	Analyzed:	04/28/13
Lab ID:	QC686019		

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	1.0
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	92	47-120
Decachlorobiphenyl	91	33-120

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.001	Analysis:	EPA 8082
Matrix:	Water	Batch#:	197825
Units:	ug/L	Prepared:	04/26/13
Diln Fac:	1.000		

Type: BS Lab ID: QC686020

Analyte	Spiked	Result	%REC	Limits	Analyzed
Aroclor-1016	5.000	3.459	69	69-131	04/29/13
Aroclor-1260	5.000	4.106	82	56-130	04/28/13

Surrogate	%REC	Limits	Analyzed
TCMX	86	47-120	04/28/13
Decachlorobiphenyl	100	33-120	04/28/13

Type: BSD Lab ID: QC686021

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Aroclor-1016	5.000	3.695	74	69-131	7	31	04/29/13
Aroclor-1260	5.000	4.745	95	56-130	14	40	04/28/13

Surrogate	%REC	Limits	Analyzed
TCMX	84	47-120	04/28/13
Decachlorobiphenyl	110	33-120	04/28/13

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244778	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-1-W	Diln Fac:	1.000
Lab ID:	244778-001	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Barium	3,100	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Beryllium	13	2.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Chromium	52	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cobalt	340	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Copper	82	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Lead	230	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Mercury	1.6	0.20	197815	04/26/13	04/26/13	METHOD	EPA 7470A
Molybdenum	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Nickel	490	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Selenium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Silver	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Thallium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Vanadium	570	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Zinc	840	20	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244778	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-3-W	Diln Fac:	1.000
Lab ID:	244778-002	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Barium	730	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Beryllium	2.1	2.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Chromium	28	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cobalt	400	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Copper	16	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Lead	120	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Mercury	0.91	0.20	197815	04/26/13	04/26/13	METHOD	EPA 7470A
Molybdenum	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Nickel	1,000	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Selenium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Silver	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Thallium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Vanadium	160	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Zinc	110	20	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244778	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-5-W	Diln Fac:	1.000
Lab ID:	244778-003	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Barium	3,100	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Beryllium	5.7	2.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Chromium	460	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cobalt	970	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Copper	170	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Lead	26	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Mercury	1.5	0.20	197815	04/26/13	04/26/13	METHOD	EPA 7470A
Molybdenum	65	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Nickel	880	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Selenium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Silver	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Thallium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Vanadium	380	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Zinc	200	20	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	244778	Project#:	390.023.01.001
Client:	PES Environmental, Inc.	Location:	2044-2070 Bryant Street
Field ID:	B-6-W	Diln Fac:	1.000
Lab ID:	244778-004	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Barium	260	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Chromium	32	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Cobalt	33	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Copper	12	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Lead	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Mercury	ND	0.20	197815	04/26/13	04/26/13	METHOD	EPA 7470A
Molybdenum	22	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Nickel	55	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Selenium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Silver	ND	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Thallium	ND	10	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Vanadium	26	5.0	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B
Zinc	39	20	197790	04/25/13	04/30/13	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	390.023.01.001	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC685854	Batch#:	197790
Matrix:	Water	Prepared:	04/25/13
Units:	ug/L		

Analyte	Result	RL	Analyzed
Antimony	ND	10	04/26/13
Arsenic	ND	5.0	04/26/13
Barium	ND	5.0	04/26/13
Beryllium	ND	2.0	04/26/13
Cadmium	ND	5.0	04/26/13
Chromium	ND	5.0	04/30/13
Cobalt	ND	5.0	04/26/13
Copper	ND	5.0	04/26/13
Lead	ND	5.0	04/26/13
Molybdenum	ND	5.0	04/26/13
Nickel	ND	5.0	04/26/13
Selenium	ND	10	04/26/13
Silver	ND	5.0	04/26/13
Thallium	ND	10	04/26/13
Vanadium	ND	5.0	04/26/13
Zinc	ND	20	04/26/13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	390.023.01.001	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	197790
Units:	ug/L	Prepared:	04/25/13
Diln Fac:	1.000		

Type: BS Lab ID: QC685855

Analyte	Spiked	Result	%REC	Limits	Analyzed
Antimony	500.0	442.3	88	75-120	04/26/13
Arsenic	100.0	91.72	92	78-120	04/26/13
Barium	2,000	1,797	90	80-120	04/26/13
Beryllium	50.00	49.92	100	80-120	04/26/13
Cadmium	50.00	48.22	96	80-120	04/26/13
Chromium	200.0	201.8	101	80-120	04/30/13
Cobalt	500.0	446.0	89	79-120	04/26/13
Copper	250.0	226.2	90	77-120	04/26/13
Lead	100.0	85.99	86	78-120	04/26/13
Molybdenum	400.0	371.4	93	80-120	04/26/13
Nickel	500.0	455.1	91	80-120	04/26/13
Selenium	100.0	91.10	91	75-120	04/26/13
Silver	50.00	45.25	91	77-120	04/26/13
Thallium	100.0	94.33	94	79-120	04/26/13
Vanadium	500.0	459.5	92	80-120	04/26/13
Zinc	500.0	464.9	93	80-120	04/26/13

Type: BSD Lab ID: QC685856

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	500.0	405.7	81	75-120	9	20	04/26/13
Arsenic	100.0	84.36	84	78-120	8	22	04/26/13
Barium	2,000	1,659	83	80-120	8	20	04/26/13
Beryllium	50.00	45.18	90	80-120	10	20	04/26/13
Cadmium	50.00	44.48	89	80-120	8	20	04/26/13
Chromium	200.0	204.6	102	80-120	1	20	04/30/13
Cobalt	500.0	410.0	82	79-120	8	20	04/26/13
Copper	250.0	208.3	83	77-120	8	20	04/26/13
Lead	100.0	79.57	80	78-120	8	20	04/26/13
Molybdenum	400.0	342.3	86	80-120	8	20	04/26/13
Nickel	500.0	418.1	84	80-120	8	20	04/26/13
Selenium	100.0	82.74	83	75-120	10	25	04/26/13
Silver	50.00	42.78	86	77-120	6	20	04/26/13
Thallium	100.0	87.82	88	79-120	7	23	04/26/13
Vanadium	500.0	422.9	85	80-120	8	20	04/26/13
Zinc	500.0	429.1	86	80-120	8	20	04/26/13

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	390.023.01.001	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	197790
MSS Lab ID:	244779-003	Sampled:	04/24/13
Matrix:	Water	Received:	04/24/13
Units:	ug/L	Prepared:	04/25/13
Diln Fac:	1.000		

Type: MS Lab ID: QC685857

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analyzed
Antimony	<0.7245	500.0	467.3	93	74-120	04/26/13
Arsenic	3.529	100.0	100.7	97	74-130	04/26/13
Barium	105.5	2,000	1,962	93	75-120	04/26/13
Beryllium	<0.3432	50.00	52.45	105	80-123	04/26/13
Cadmium	<0.2854	50.00	49.00	98	72-121	04/26/13
Chromium	7.942	200.0	201.8	97	74-120	04/30/13
Cobalt	0.9240	500.0	437.7	87	73-120	04/26/13
Copper	8.012	250.0	249.3	97	73-121	04/26/13
Lead	1.678	100.0	86.96	85	68-120	04/26/13
Molybdenum	2.854	400.0	378.6	94	78-120	04/26/13
Nickel	3.489	500.0	451.0	89	73-120	04/26/13
Selenium	<1.347	100.0	95.25	95	67-129	04/26/13
Silver	<0.8951	50.00	47.63	95	62-124	04/26/13
Thallium	<1.402	100.0	91.17	91	67-120	04/26/13
Vanadium	13.20	500.0	487.7	95	80-120	04/26/13
Zinc	23.93	500.0	481.3	91	72-123	04/26/13

Type: MSD Lab ID: QC685858

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	500.0	428.6	86	74-120	9	20	04/26/13
Arsenic	100.0	91.38	88	74-130	10	23	04/26/13
Barium	2,000	1,806	85	75-120	8	23	04/26/13
Beryllium	50.00	47.93	96	80-123	9	20	04/26/13
Cadmium	50.00	45.17	90	72-121	8	20	04/26/13
Chromium	200.0	197.5	95	74-120	2	20	04/30/13
Cobalt	500.0	403.6	81	73-120	8	20	04/26/13
Copper	250.0	225.8	87	73-121	10	21	04/26/13
Lead	100.0	78.03	76	68-120	11	24	04/26/13
Molybdenum	400.0	349.3	87	78-120	8	20	04/26/13
Nickel	500.0	414.1	82	73-120	9	20	04/26/13
Selenium	100.0	87.72	88	67-129	8	39	04/26/13
Silver	50.00	44.83	90	62-124	6	20	04/26/13
Thallium	100.0	83.67	84	67-120	9	24	04/26/13
Vanadium	500.0	448.1	87	80-120	8	20	04/26/13
Zinc	500.0	444.1	84	72-123	8	20	04/26/13

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	197815
Lab ID:	QC685968	Prepared:	04/26/13
Matrix:	Water	Analyzed:	04/26/13
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	197815
Matrix:	Water	Prepared:	04/26/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC685969	2.500	2.790	112	80-120		
BSD	QC685970	2.500	2.580	103	80-120	8	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	244778	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.023.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	197815
Field ID:	ZZZZZZZZZZ	Sampled:	04/23/13
MSS Lab ID:	244726-001	Received:	04/23/13
Matrix:	Water	Prepared:	04/26/13
Units:	ug/L	Analyzed:	04/26/13
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC685971	<0.03605	2.500	0.4550	18 *	62-124		
MSD	QC685972		2.500	0.6660	27 *	62-124	38 *	35

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 246587
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 390.023.01.002
1682 Novato Boulevard	Location : 2044-2070 Bryant Street
Novato, CA 94947	Level : II

Sample ID	Lab ID
TS1	246587-001

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. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 07/08/2013

Will S Rice
Project Manager
(510) 486-0900

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**246587**
Client:	**PES Environmental, Inc.**
Project:	**390.023.01.002**
Location:	**2044-2070 Bryant Street**
Request Date:	**06/28/13**
Samples Received:	**06/28/13**

This data package contains sample and QC results for one product sample, requested for the above referenced project on 06/28/13. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recovery was observed for bromofluorobenzene (FID) in TS1 (lab # 246587-001). No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
High recoveries were observed for trichloroethene in the MS/MSD of DS1 (lab # 246588-001); the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample. TS1 (lab # 246587-001) was diluted due to high hydrocarbons. No other analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

246587

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 390.023.01.002
NAME / LOCATION: 2044-2070 Bryant Street
PROJECT MANAGER: W. Mast

SAMPLERS:
RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	Product	Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)
1	13	06	28	0910	TS1					X	X				[illegible]				X	X	X	X		

NOTES

Turn Around Time: Standard TAT

Page 1 of 1

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6/28/13	10:20
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 246507 Date Received 6/28/13 Number of coolers 1
Client PES Project 390.023.01.002

Date Opened 6/28/13 By (print) TR (sign) Tina Raikar
Date Logged in 6/28/13 By (print) MS (sign)

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☒ Samples Received on ice & cold without a temperature blank; ~~temp. taken with IR gun~~

☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? _____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
If YES, Who was called? _____ By _____ Date: _____

COMMENTS
* Splitted Samp #-001 in 2 VOAs (unpreserved) for 8260 & Tph

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Field ID:	TS1	Batch#:	200333
Units:	mg/Kg	Sampled:	06/28/13
Basis:	as received	Received:	06/28/13

Type:	SAMPLE	Diln Fac:	10,000
Lab ID:	246587-001	Analyzed:	07/04/13
Matrix:	Miscell.		

Analyte	Result	RL
Gasoline C7-C12	23,000 Y	2,000

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	152 *	64-139

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC696317	Analyzed:	07/03/13
Matrix:	Soil		

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	64-139

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC696316	Batch#:	200333
Matrix:	Soil	Analyzed:	07/03/13
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	1.058	106	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	64-139

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	246684-006	Batch#:	200333
Matrix:	Soil	Sampled:	07/02/13
Units:	mg/Kg	Received:	07/02/13
Basis:	as received	Analyzed:	07/03/13

Type: MS Lab ID: QC696318

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.07506	9.709	9.053	93	42-120

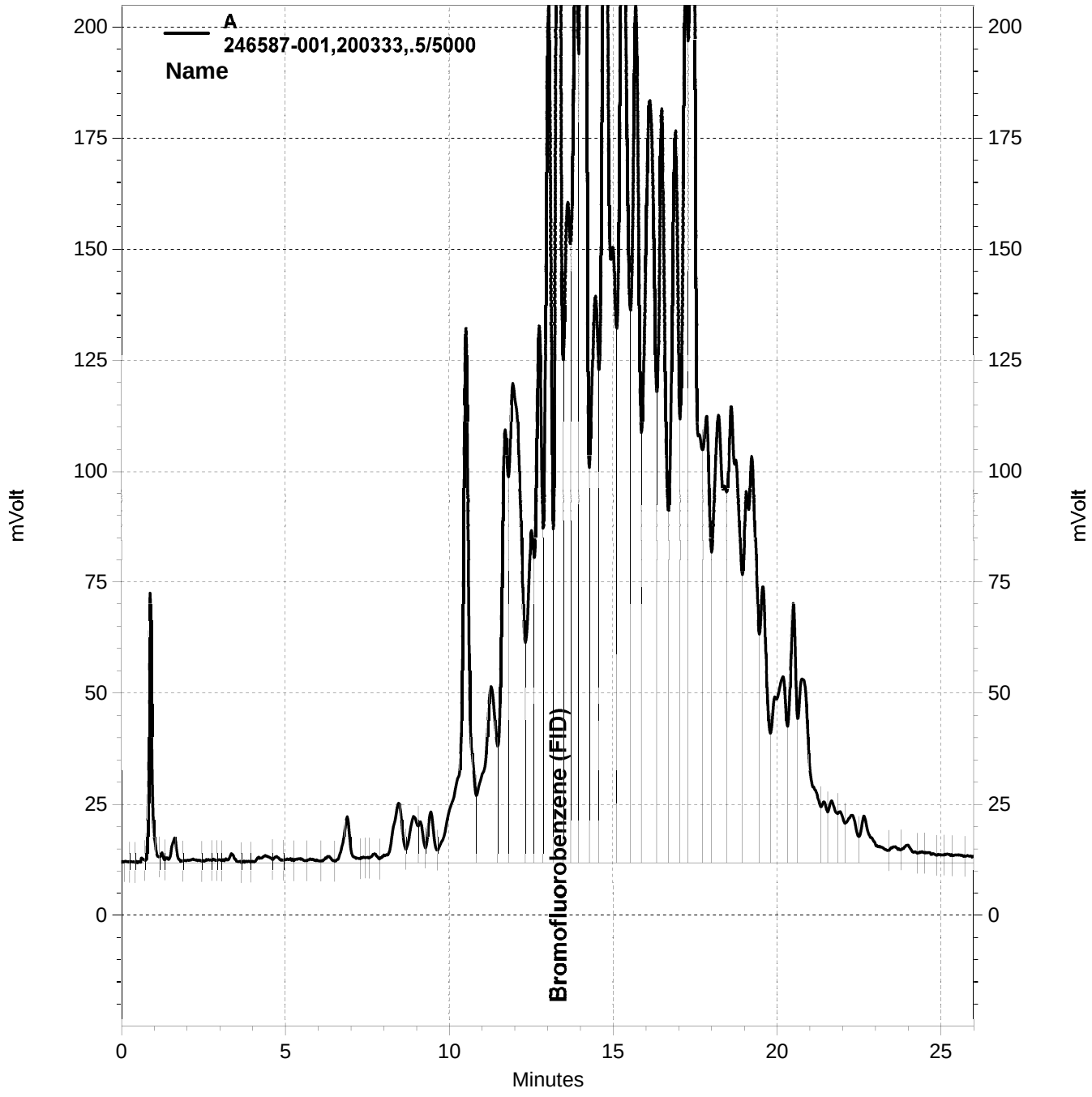
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	64-139

Type: MSD Lab ID: QC696319

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.10	9.446	94	42-120	0	42

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	116	64-139

RPD= Relative Percent Difference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Minutes
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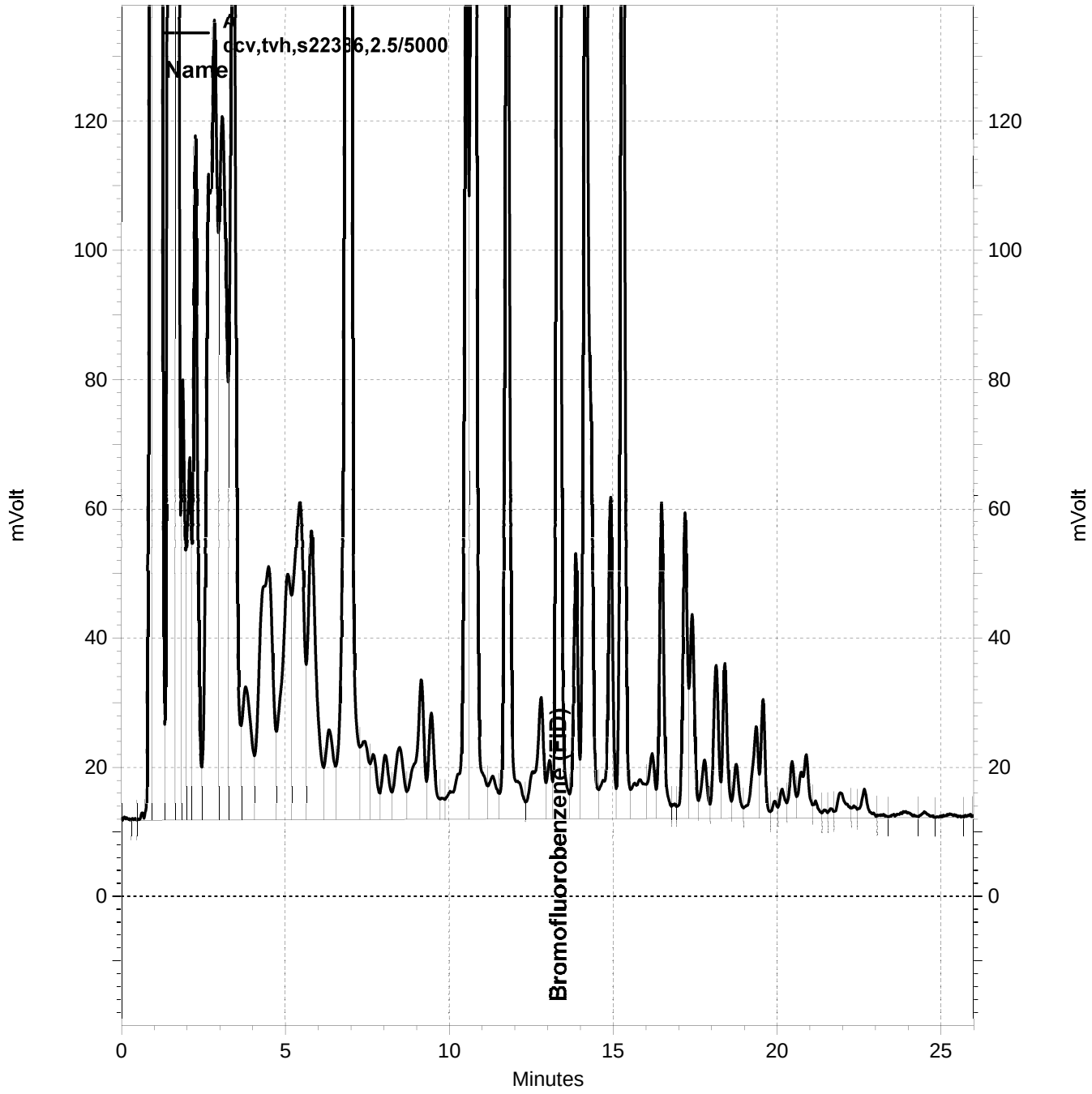

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3580
Project#:	390.023.01.002	Analysis:	EPA 8015B
Field ID:	TS1	Batch#:	200388
Matrix:	Miscell.	Sampled:	06/28/13
Units:	mg/Kg	Received:	06/28/13
Basis:	as received	Prepared:	07/05/13
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 07/08/13
Lab ID: 246587-001

Analyte	Result	RL
Diesel C10-C24	3,500 Y	400
Motor Oil C24-C36	7,400	2,000

Surrogate	%REC	Limits
o-Terphenyl	98	62-136

Type: BLANK Analyzed: 07/05/13
Lab ID: QC696544

Analyte	Result	RL
Diesel C10-C24	ND	400
Motor Oil C24-C36	ND	2,000

Surrogate	%REC	Limits
o-Terphenyl	113	62-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3580
Project#:	390.023.01.002	Analysis:	EPA 8015B
Matrix:	Miscell.	Batch#:	200388
Units:	mg/Kg	Prepared:	07/05/13
Diln Fac:	1.000	Analyzed:	07/05/13

Type: BS Lab ID: QC696545

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	19,200	21,010	109	62-130

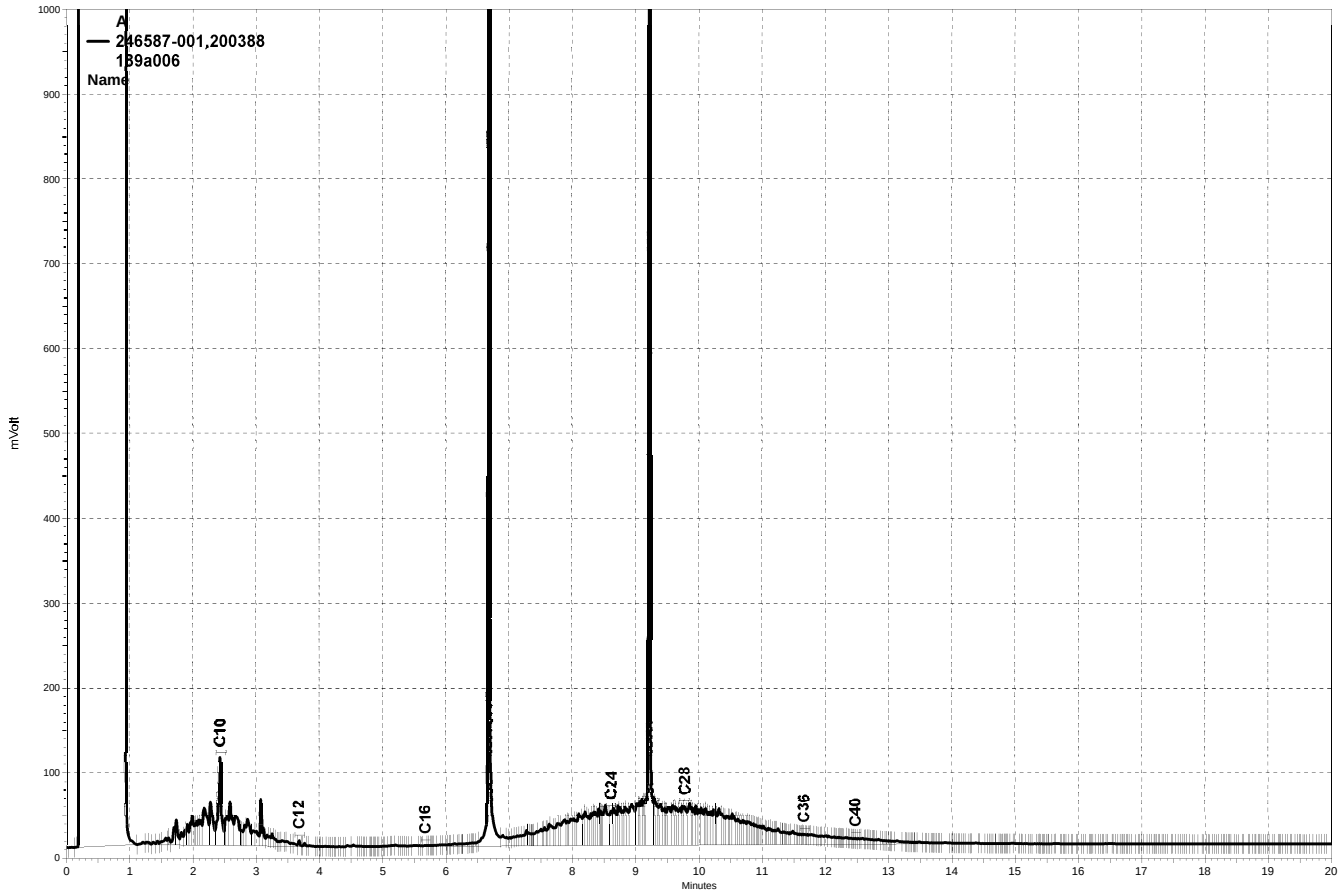
Surrogate	%REC	Limits
o-Terphenyl	111	62-136

Type: BSD Lab ID: QC696546

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	19,200	21,550	112	62-130	3	20

Surrogate	%REC	Limits
o-Terphenyl	113	62-136

RPD= Relative Percent Difference



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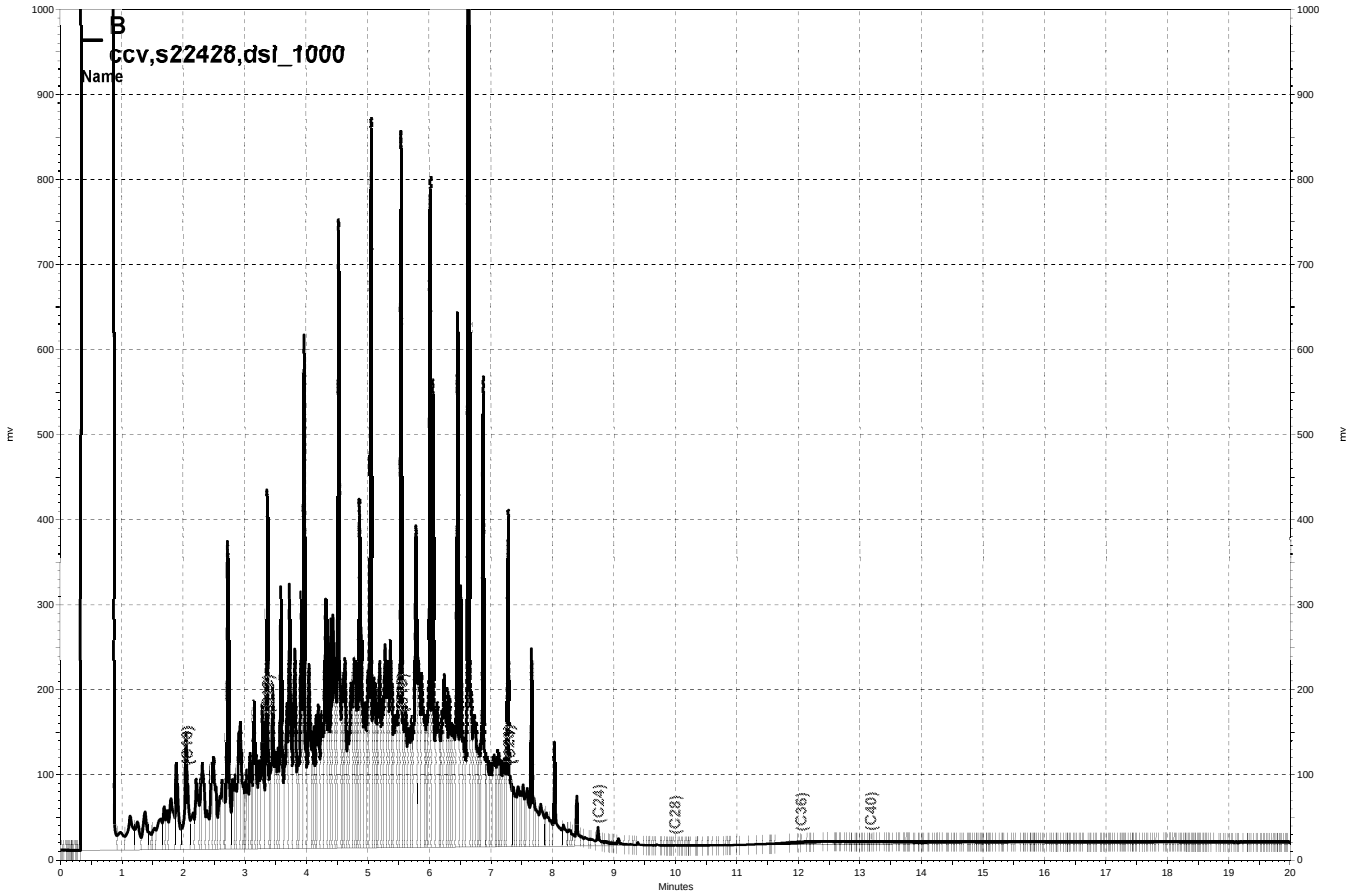

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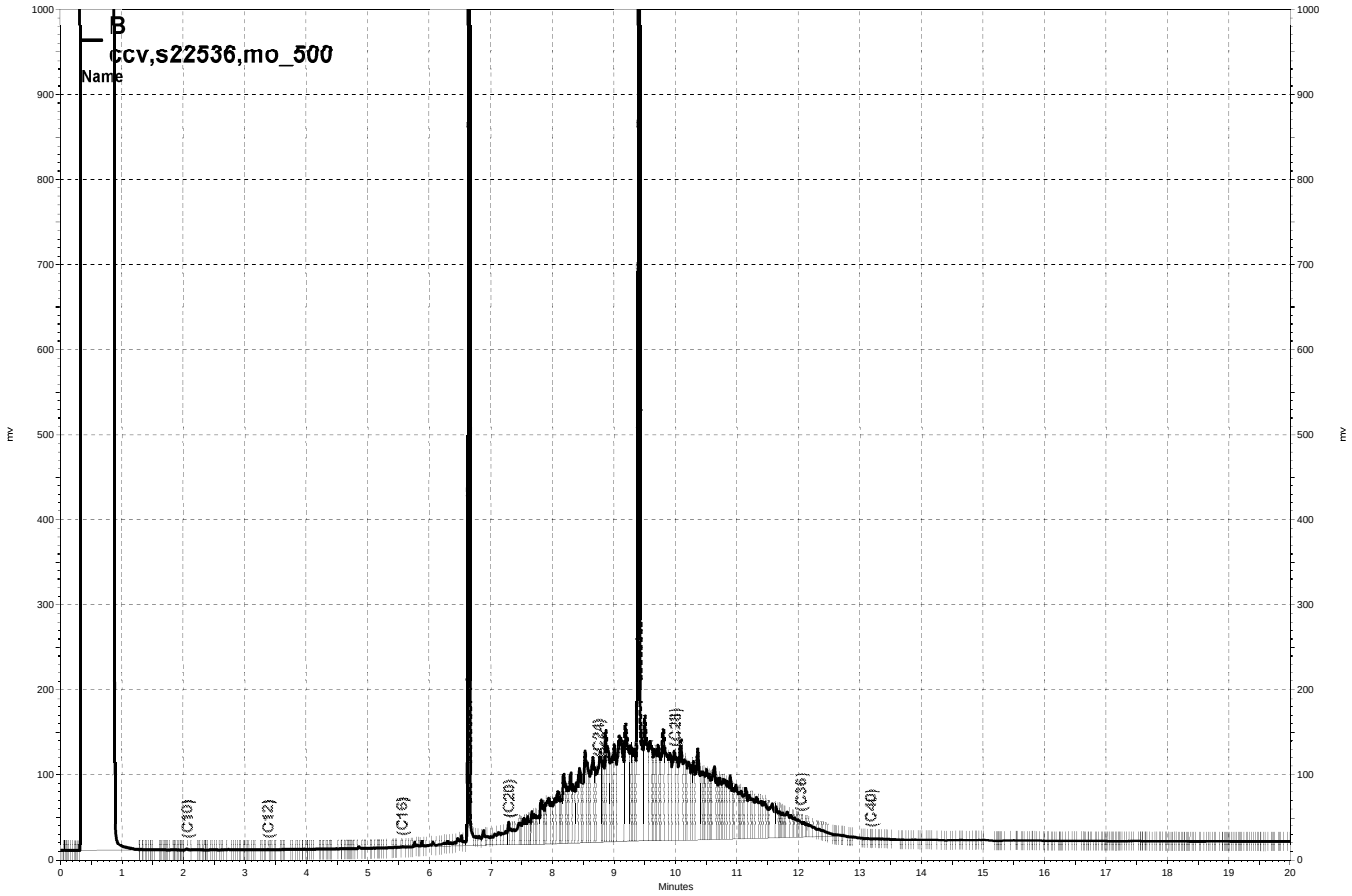

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	TS1	Diln Fac:	10,000
Lab ID:	246587-001	Batch#:	200240
Matrix:	Miscell.	Sampled:	06/28/13
Units:	ug/Kg	Received:	06/28/13
Basis:	as received	Analyzed:	07/01/13

Analyte	Result	RL
Freon 12	ND	100,000
Chloromethane	ND	100,000
Vinyl Chloride	ND	100,000
Bromomethane	ND	100,000
Chloroethane	ND	100,000
Trichlorofluoromethane	ND	50,000
Acetone	ND	200,000
Freon 113	ND	50,000
1,1-Dichloroethene	ND	50,000
Methylene Chloride	ND	200,000
Carbon Disulfide	ND	50,000
MTBE	ND	50,000
trans-1,2-Dichloroethene	ND	50,000
Vinyl Acetate	ND	500,000
1,1-Dichloroethane	ND	50,000
2-Butanone	ND	100,000
cis-1,2-Dichloroethene	ND	50,000
2,2-Dichloropropane	ND	50,000
Chloroform	ND	50,000
Bromochloromethane	ND	50,000
1,1,1-Trichloroethane	ND	50,000
1,1-Dichloropropene	ND	50,000
Carbon Tetrachloride	ND	50,000
1,2-Dichloroethane	ND	50,000
Benzene	ND	50,000
Trichloroethene	ND	50,000
1,2-Dichloropropane	ND	50,000
Bromodichloromethane	ND	50,000
Dibromomethane	ND	50,000
4-Methyl-2-Pentanone	ND	100,000
cis-1,3-Dichloropropene	ND	50,000
Toluene	93,000	50,000
trans-1,3-Dichloropropene	ND	50,000
1,1,2-Trichloroethane	ND	50,000
2-Hexanone	ND	100,000
1,3-Dichloropropane	ND	50,000
Tetrachloroethene	370,000	50,000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	TS1	Diln Fac:	10,000
Lab ID:	246587-001	Batch#:	200240
Matrix:	Miscell.	Sampled:	06/28/13
Units:	ug/Kg	Received:	06/28/13
Basis:	as received	Analyzed:	07/01/13

Analyte	Result	RL
Dibromochloromethane	ND	50,000
1,2-Dibromoethane	ND	50,000
Chlorobenzene	ND	50,000
1,1,1,2-Tetrachloroethane	ND	50,000
Ethylbenzene	ND	50,000
m,p-Xylenes	130,000	50,000
o-Xylene	ND	50,000
Styrene	ND	50,000
Bromoform	ND	50,000
Isopropylbenzene	ND	50,000
1,1,2,2-Tetrachloroethane	ND	50,000
1,2,3-Trichloropropane	ND	50,000
Propylbenzene	63,000	50,000
Bromobenzene	ND	50,000
1,3,5-Trimethylbenzene	140,000	50,000
2-Chlorotoluene	ND	50,000
4-Chlorotoluene	ND	50,000
tert-Butylbenzene	ND	50,000
1,2,4-Trimethylbenzene	460,000	50,000
sec-Butylbenzene	68,000	50,000
para-Isopropyl Toluene	73,000	50,000
1,3-Dichlorobenzene	ND	50,000
1,4-Dichlorobenzene	ND	50,000
n-Butylbenzene	93,000	50,000
1,2-Dichlorobenzene	ND	50,000
1,2-Dibromo-3-Chloropropane	ND	50,000
1,2,4-Trichlorobenzene	ND	50,000
Hexachlorobutadiene	ND	50,000
Naphthalene	ND	50,000
1,2,3-Trichlorobenzene	ND	50,000

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-124
1,2-Dichloroethane-d4	101	80-137
Toluene-d8	99	80-120
Bromofluorobenzene	109	79-127
Trifluorotoluene (MeOH)	103	46-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC695930	Batch#:	200240
Matrix:	Soil	Analyzed:	07/01/13
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	20
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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC695930	Batch#:	200240
Matrix:	Soil	Analyzed:	07/01/13
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	95	80-124
1,2-Dichloroethane-d4	98	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	107	79-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC696023	Batch#:	200240
Matrix:	Soil	Analyzed:	07/01/13
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.28	109	67-132
Benzene	25.00	26.05	104	77-126
Trichloroethene	25.00	27.62	110	76-127
Toluene	25.00	27.83	111	76-124
Chlorobenzene	25.00	24.70	99	76-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-124
1,2-Dichloroethane-d4	102	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	100	79-127

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246587	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	DS1	Batch#:	200240
MSS Lab ID:	246588-001	Sampled:	06/28/13
Matrix:	Soil	Received:	06/28/13
Units:	ug/Kg	Analyzed:	07/01/13
Basis:	as received		

Type: MS Diln Fac: 0.9728
Lab ID: QC696024

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.8181	48.64	46.59	96	52-132
Benzene	<0.3762	48.64	42.55	87	54-121
Trichloroethene	<0.4539	48.64	79.50	163 *	46-138
Toluene	<1.030	48.64	43.41	89	47-120
Chlorobenzene	<0.2818	48.64	40.14	83	41-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-124
1,2-Dichloroethane-d4	106	80-137
Toluene-d8	98	80-120
Bromofluorobenzene	97	79-127

Type: MSD Diln Fac: 0.9615
Lab ID: QC696025

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	48.08	47.02	98	52-132	2	46
Benzene	48.08	41.48	86	54-121	1	43
Trichloroethene	48.08	81.27	169 *	46-138	3	50
Toluene	48.08	41.78	87	47-120	3	53
Chlorobenzene	48.08	37.70	78	41-120	5	50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-124
1,2-Dichloroethane-d4	114	80-137
Toluene-d8	99	80-120
Bromofluorobenzene	102	79-127

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 246070
ANALYTICAL REPORT

PES Environmental, Inc.
1682 Novato Boulevard
Novato, CA 94947

Project : 390.023.01.002
Location : 2044-2070 Bryant Street
Level : II

Sample ID	Lab ID
B-7-W	246070-001
B-8-W	246070-002
B-9-W	246070-003
B-10-W	246070-004
B-11-W	246070-005

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. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Will Rice Date: 06/20/2013

Will S Rice
Project Manager
(510) 486-0900

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**246070**
Client:	**PES Environmental, Inc.**
Project:	**390.023.01.002**
Location:	**2044-2070 Bryant Street**
Request Date:	**06/12/13**
Samples Received:	**06/12/13**

This data package contains sample and QC results for five water samples, requested for the above referenced project on 06/12/13. 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):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 390.023.01.002
NAME / LOCATION: 2044-2070 Bryant St
PROJECT MANAGER: W. Must

SAMPLERS: J. Patterson 246070
RECORDER: J. Patterson

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET
1 3	0 6	1 2	0820	B-7-W		X			2				3	
2			0835	B-8-W		X			2				3	
3			0845	B-9-W		X			2				3	
4			0900	B-10-W		X			2				3	
5			0910	B-11-W		X			2				3	

ANALYSIS REQUESTED (* Silica gel)

EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M *	TPHmo by 8015M *	EPA 8270C	MNA Parameters (see notes)
		X	X	X	X		
		X	X	X	X		
		X	X	X	X		
		X	X	X	X		
		X	X	X	X		

NOTES

Turn Around Time: Standard TAT

* Please use a silica gel cleanup

Page 1 of 1

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/12	1204
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 246070 Date Received 6/12/13 Number of coolers 1
Client PES Project 2044-2070 Bryant St.

Date Opened 6/12/13 By (print) [illegible] (sign) [illegible]
Date Logged in [illegible] By (print) [illegible] (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 6.0

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? _____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

_____

_____

_____

_____

_____

Rev 10, 11/11

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/12/13
Units:	ug/L	Received:	06/12/13
Diln Fac:	1.000	Analyzed:	06/13/13
Batch#:	199663		

Field ID: B-7-W Lab ID: 246070-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	1,000 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	112	76-128

Field ID: B-8-W Lab ID: 246070-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	76-128

Field ID: B-9-W Lab ID: 246070-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	76-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/12/13
Units:	ug/L	Received:	06/12/13
Diln Fac:	1.000	Analyzed:	06/13/13
Batch#:	199663		

Field ID: B-10-W Lab ID: 246070-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	76-128

Field ID: B-11-W Lab ID: 246070-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	76-128

Type: BLANK Lab ID: QC693509

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	76-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC693508	Batch#:	199663
Matrix:	Water	Analyzed:	06/13/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	953.1	95	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	199663
MSS Lab ID:	246053-003	Sampled:	06/10/13
Matrix:	Water	Received:	06/11/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Type: MS Lab ID: QC693510

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	28.80	2,000	1,742	86	76-120

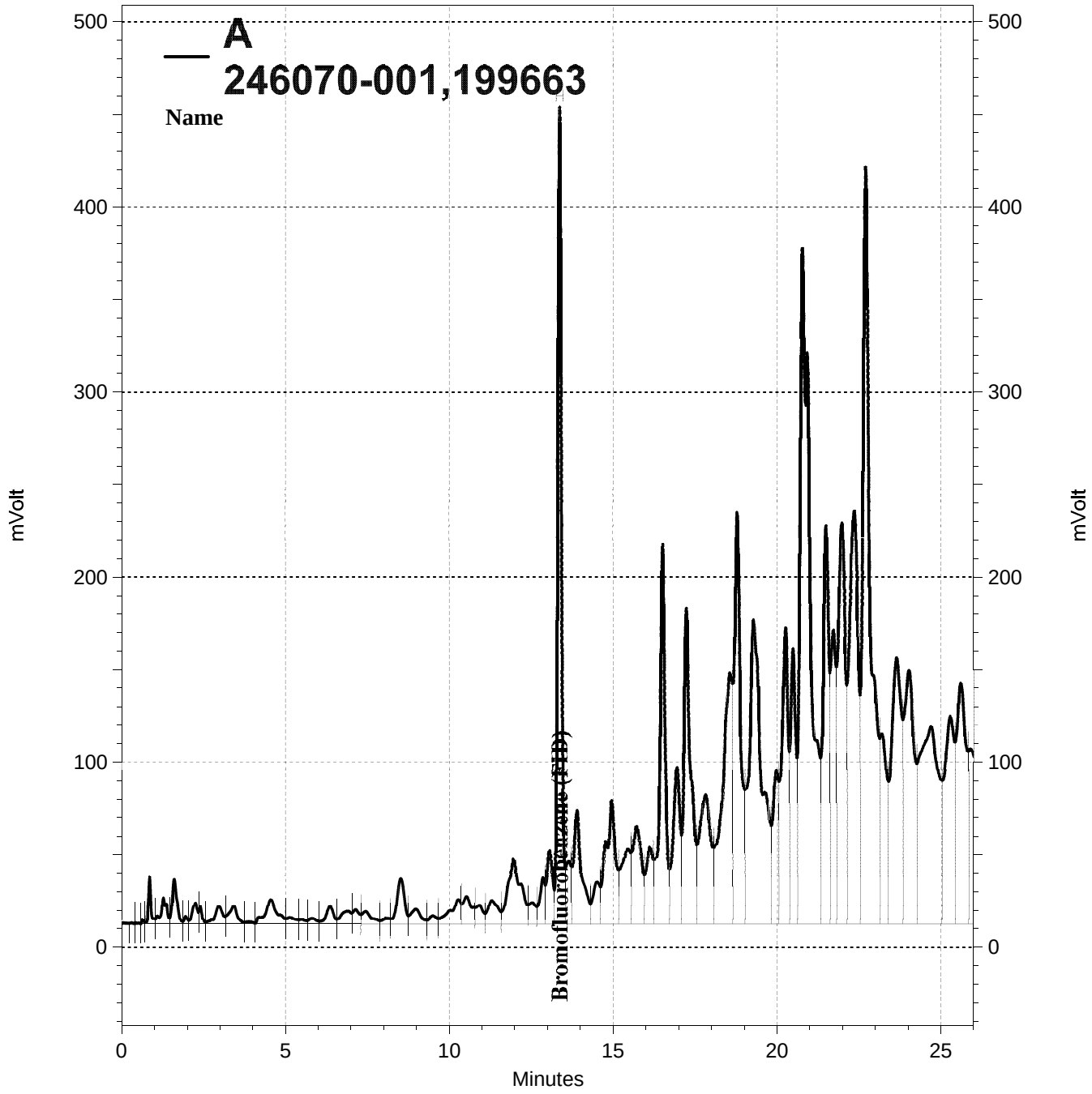
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	76-128

Type: MSD Lab ID: QC693511

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,729	85	76-120	1	20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	76-128

RPD= Relative Percent Difference



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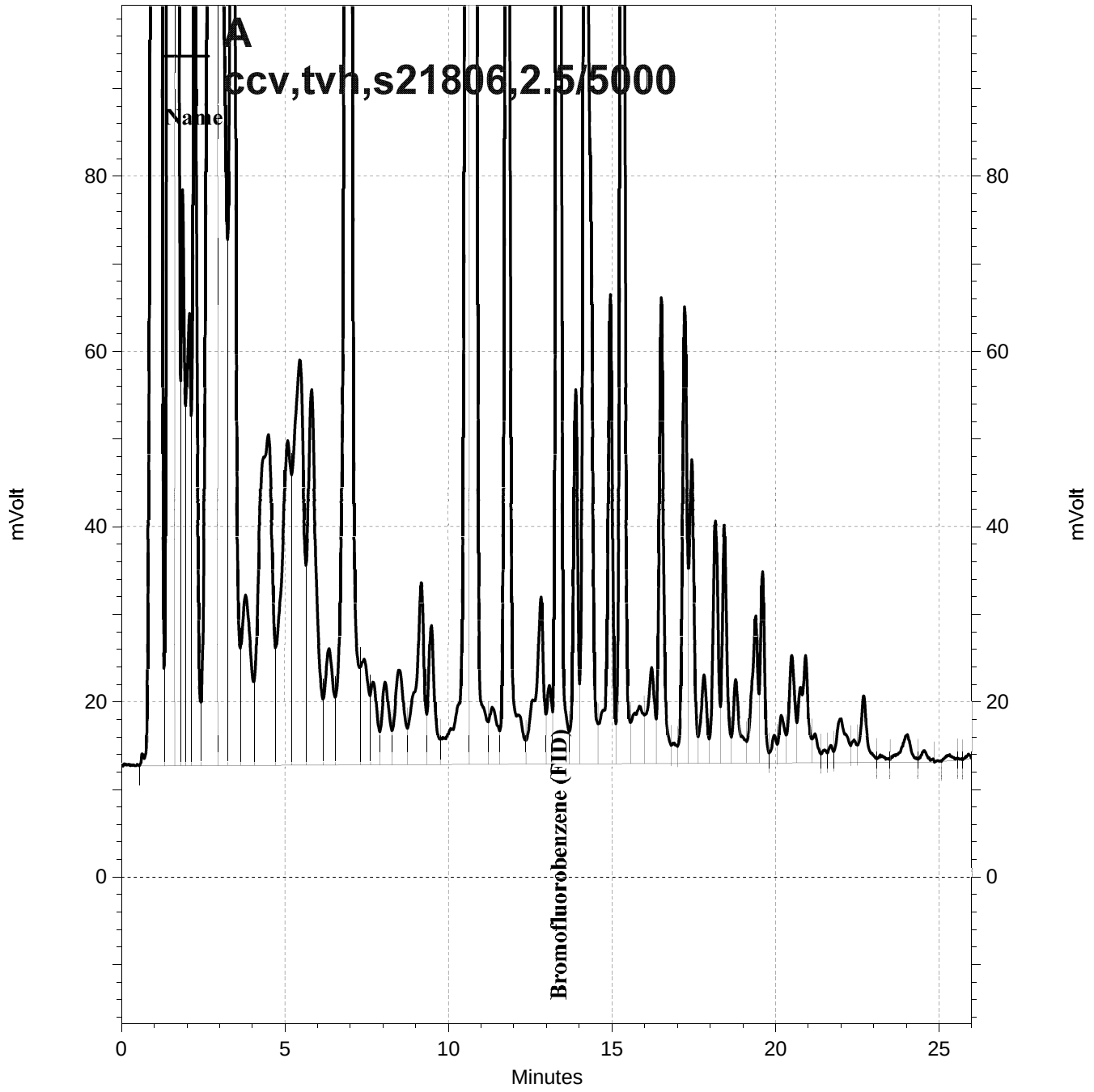

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/12/13
Units:	ug/L	Received:	06/12/13
Diln Fac:	1.000	Prepared:	06/13/13
Batch#:	199658	Analyzed:	06/16/13

Field ID: B-7-W
Type: SAMPLE
Lab ID: 246070-001
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3,900	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	99	62-133

Field ID: B-8-W
Type: SAMPLE
Lab ID: 246070-002
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	101	62-133

Field ID: B-9-W
Type: SAMPLE
Lab ID: 246070-003
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	110 Y	49
Motor Oil C24-C36	ND	290

Surrogate	%REC	Limits
o-Terphenyl	96	62-133

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	06/12/13
Units:	ug/L	Received:	06/12/13
Diln Fac:	1.000	Prepared:	06/13/13
Batch#:	199658	Analyzed:	06/16/13

Field ID: B-10-W
Type: SAMPLE
Lab ID: 246070-004
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	530 Y	51
Motor Oil C24-C36	310	310

Surrogate	%REC	Limits
o-Terphenyl	71	62-133

Field ID: B-11-W
Type: SAMPLE
Lab ID: 246070-005
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	200 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	84	62-133

Type: BLANK
Lab ID: QC693492
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	94	62-133

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC693493	Batch#:	199658
Matrix:	Water	Prepared:	06/13/13
Units:	ug/L	Analyzed:	06/16/13

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,350	94	59-120

Surrogate	%REC	Limits
o-Terphenyl	119	62-133

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.023.01.002	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	199658
MSS Lab ID:	246017-001	Sampled:	06/07/13
Matrix:	Water	Received:	06/10/13
Units:	ug/L	Prepared:	06/13/13
Diln Fac:	1.000	Analyzed:	06/16/13

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC693494

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<7.661	2,451	2,043	83	61-120

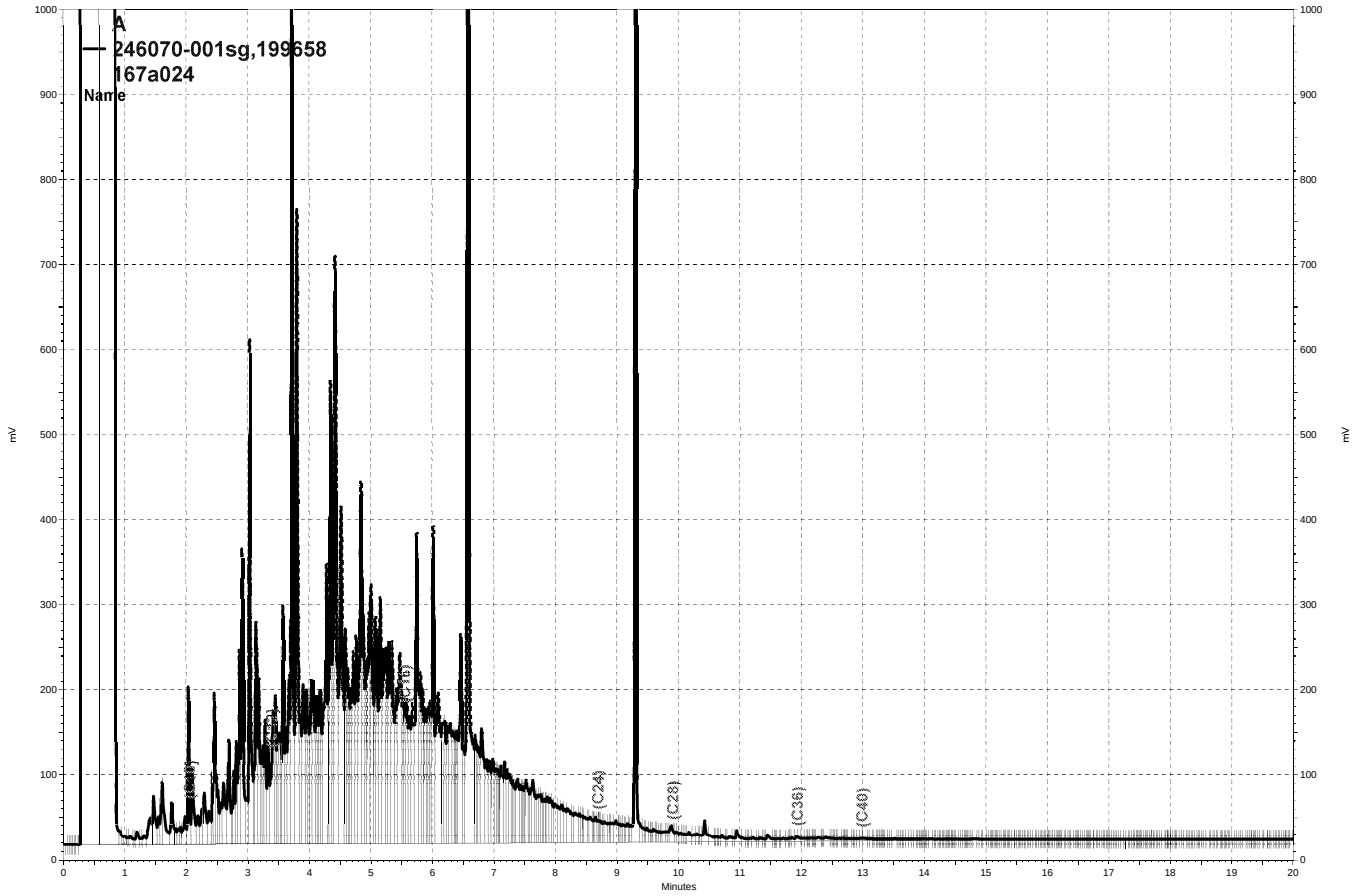
Surrogate	%REC	Limits
o-Terphenyl	105	62-133

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC693495

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,278	91	61-120	9	43

Surrogate	%REC	Limits
o-Terphenyl	115	62-133

RPD= Relative Percent Difference



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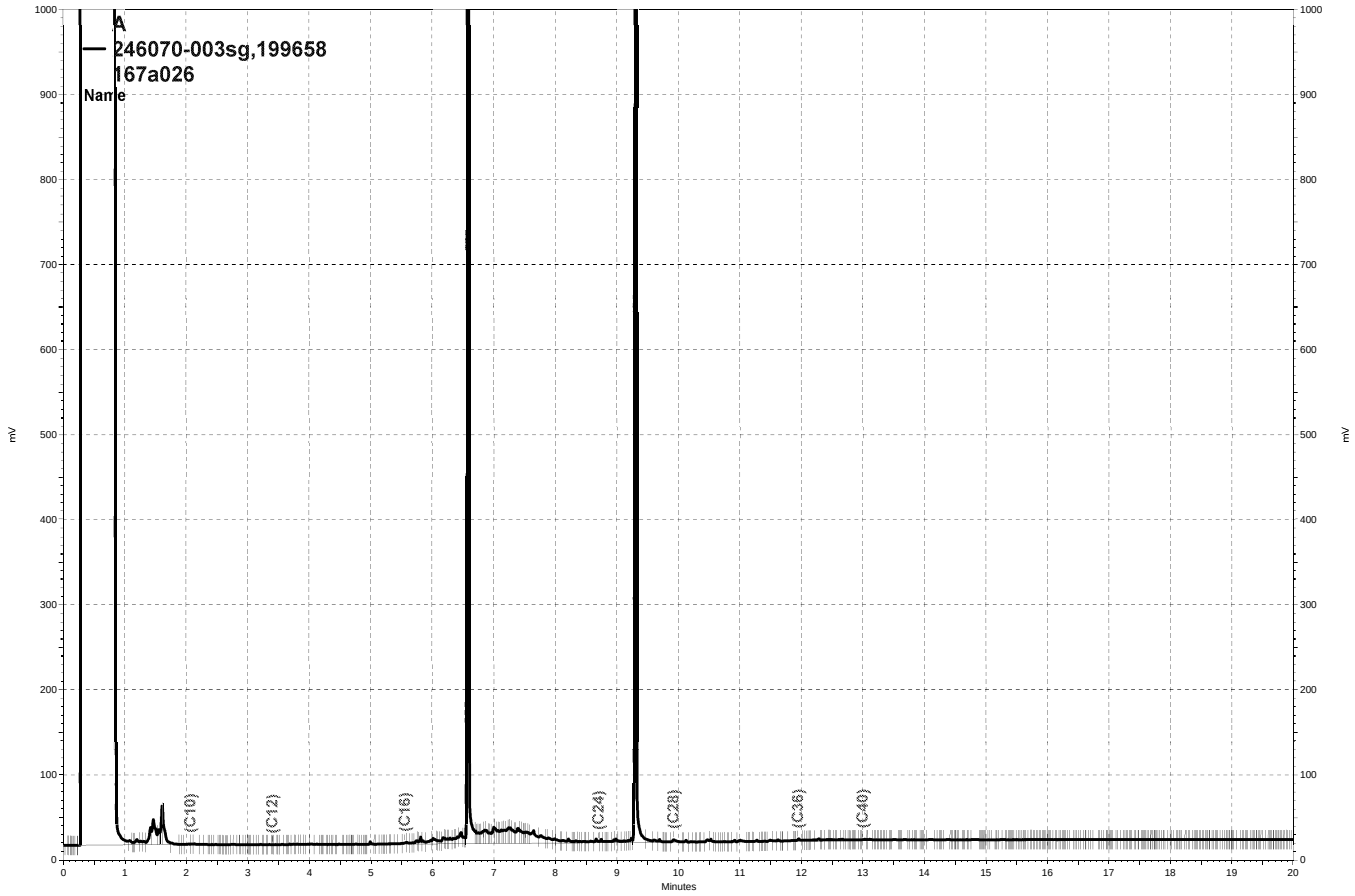

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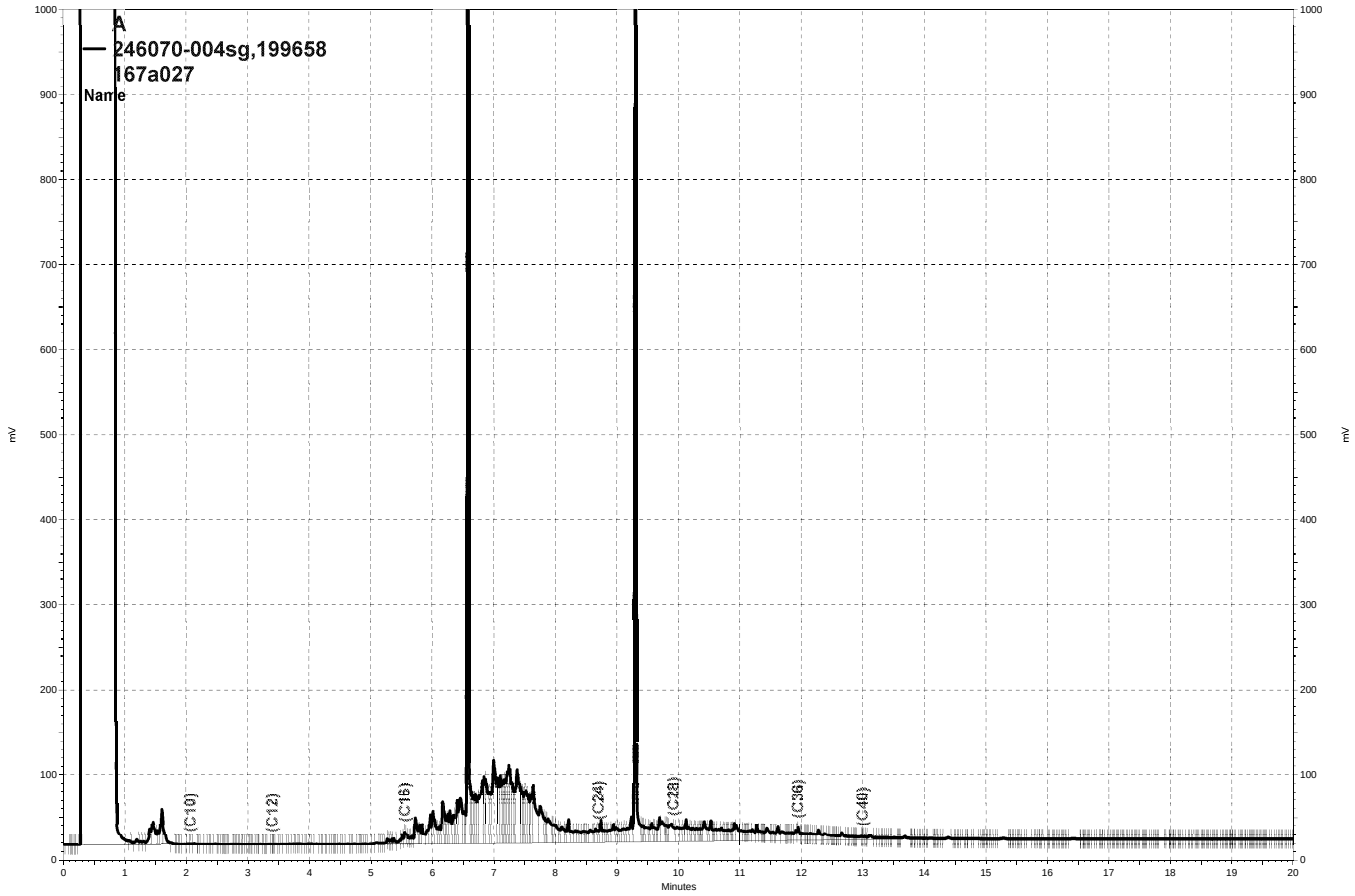

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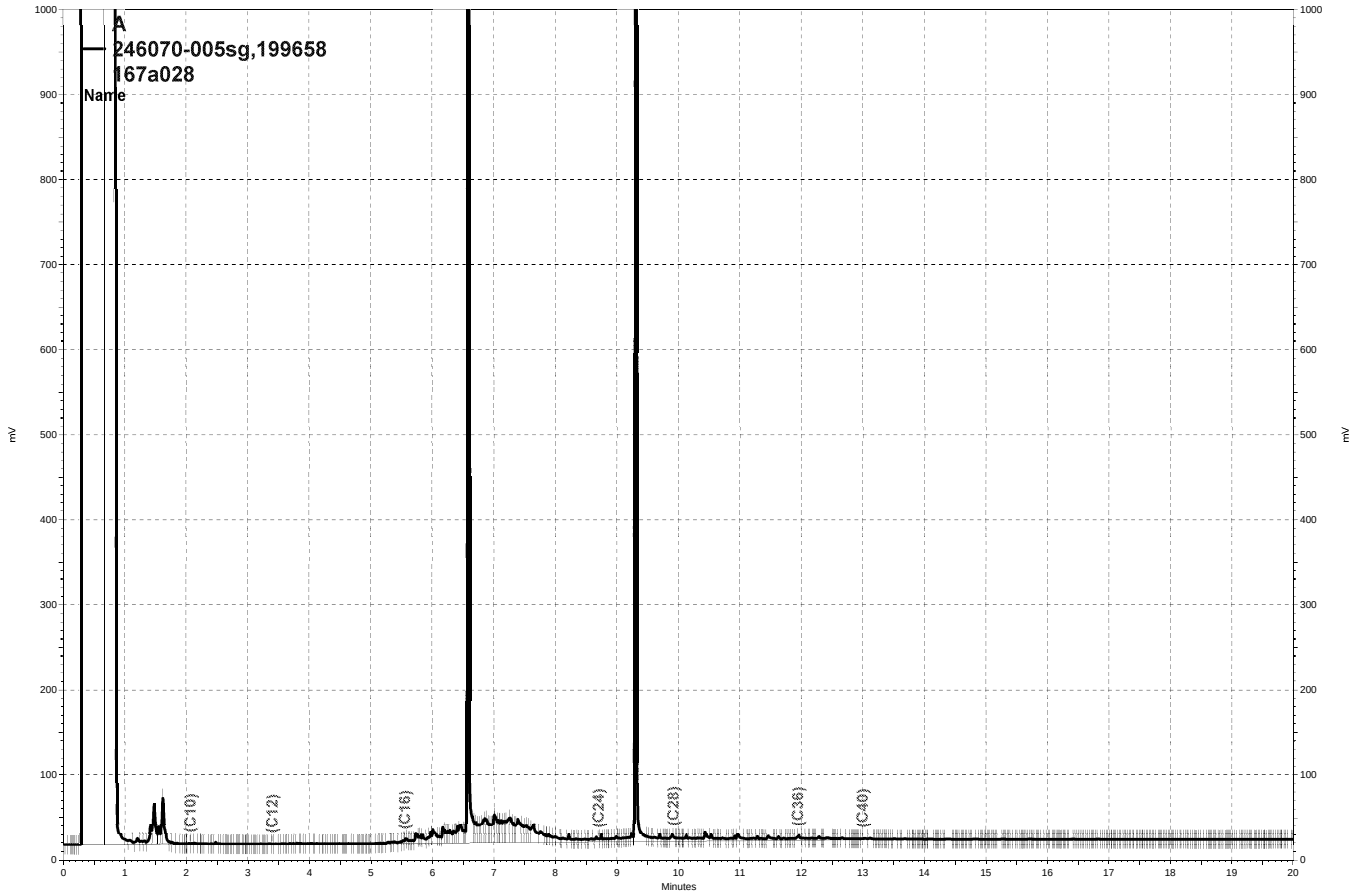

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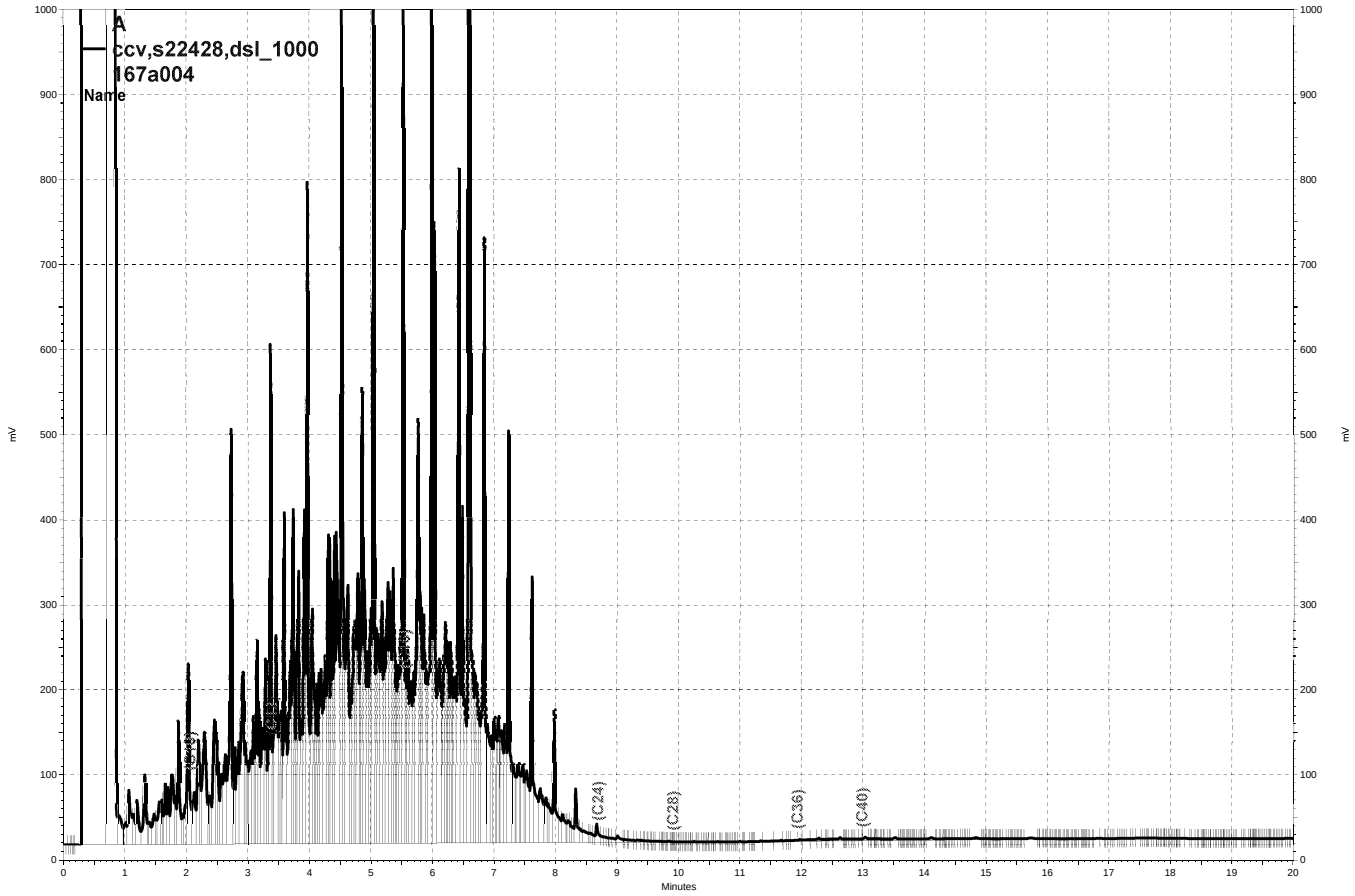

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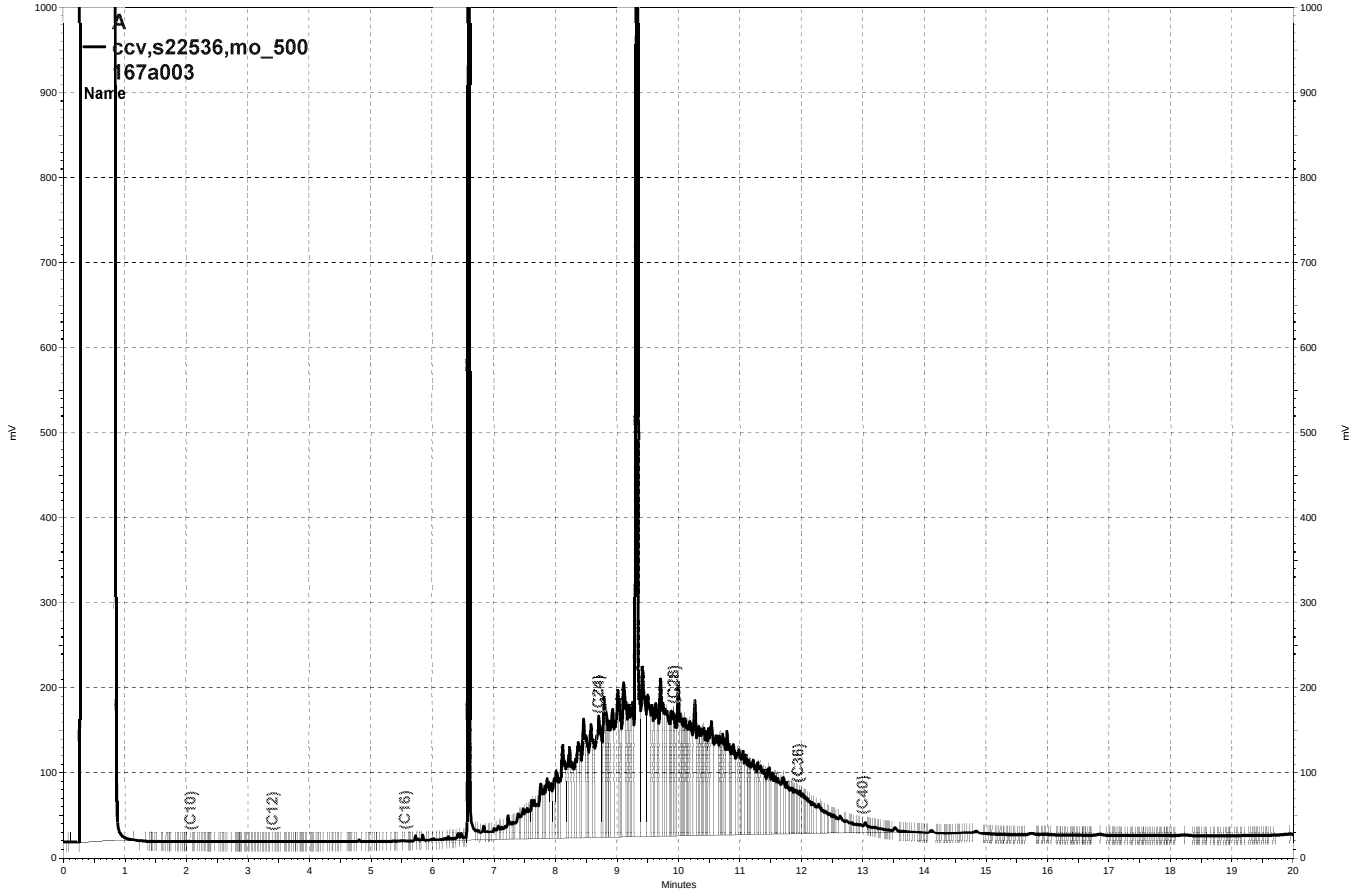

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-7-W	Batch#:	199647
Lab ID:	246070-001	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	1.9	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	2.2	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	1.1	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	1.4	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.5	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-7-W	Batch#:	199647
Lab ID:	246070-001	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	0.6	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	2.1	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	3.9	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.7	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	1.8	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	83	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	122	77-134
1,2-Dichloroethane-d4	114	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-8-W	Batch#:	199844
Lab ID:	246070-002	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/19/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	4.3	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	2.3	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	6.6	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	60	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	0.7	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-8-W	Batch#:	199844
Lab ID:	246070-002	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/19/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	77-134
1,2-Dichloroethane-d4	119	72-140
Toluene-d8	106	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-9-W	Batch#:	199647
Lab ID:	246070-003	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.6	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	0.5	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	35	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-9-W	Batch#:	199647
Lab ID:	246070-003	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	115	77-134
1,2-Dichloroethane-d4	115	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-10-W	Batch#:	199647
Lab ID:	246070-004	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	2.7	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	2.6	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	0.8	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	0.8	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	0.6	0.5
Benzene	ND	0.5
Trichloroethene	1.6	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-10-W	Batch#:	199647
Lab ID:	246070-004	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	117	77-134
1,2-Dichloroethane-d4	115	72-140
Toluene-d8	97	80-120
Bromofluorobenzene	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-11-W	Batch#:	199647
Lab ID:	246070-005	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	2.8	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	B-11-W	Batch#:	199647
Lab ID:	246070-005	Sampled:	06/12/13
Matrix:	Water	Received:	06/12/13
Units:	ug/L	Analyzed:	06/13/13
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	119	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC693452	Batch#:	199647
Matrix:	Water	Analyzed:	06/13/13
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	21.26	85	61-137
Benzene	25.00	26.89	108	78-125
Trichloroethene	25.00	25.27	101	77-122
Toluene	25.00	26.38	106	79-123
Chlorobenzene	25.00	25.88	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC693453	Batch#:	199647
Matrix:	Water	Analyzed:	06/13/13
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC693453	Batch#:	199647
Matrix:	Water	Analyzed:	06/13/13
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	118	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	199647
MSS Lab ID:	245934-001	Sampled:	06/06/13
Matrix:	Water	Received:	06/06/13
Units:	ug/L	Analyzed:	06/14/13
Diln Fac:	2.000		

Type: MS Lab ID: QC693527

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.3181	50.00	48.73	97	68-130
Benzene	<0.2000	50.00	58.64	117	80-125
Trichloroethene	<0.2000	50.00	53.09	106	72-123
Toluene	<0.2000	50.00	55.10	110	80-122
Chlorobenzene	<0.2000	50.00	52.80	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	114	77-134
1,2-Dichloroethane-d4	117	72-140
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-120

Type: MSD Lab ID: QC693528

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	46.72	93	68-130	4	26
Benzene	50.00	54.99	110	80-125	6	21
Trichloroethene	50.00	51.00	102	72-123	4	20
Toluene	50.00	52.30	105	80-122	5	21
Chlorobenzene	50.00	50.84	102	80-120	4	21

Surrogate	%REC	Limits
Dibromofluoromethane	113	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC694254	Batch#:	199844
Matrix:	Water	Analyzed:	06/19/13
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC694254	Batch#:	199844
Matrix:	Water	Analyzed:	06/19/13
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	106	80-120
Bromofluorobenzene	111	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	246070	Location:	2044-2070 Bryant Street
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.023.01.002	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	199844
Units:	ug/L	Analyzed:	06/19/13
Diln Fac:	1.000		

Type: BS Lab ID: QC694255

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	16.33	82	61-137
Benzene	20.00	17.63	88	78-125
Trichloroethene	20.00	17.80	89	77-122
Toluene	20.00	19.13	96	79-123
Chlorobenzene	20.00	17.41	87	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	104	80-120
Bromofluorobenzene	106	80-120

Type: BSD Lab ID: QC694256

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	17.83	89	61-137	9	24
Benzene	20.00	18.78	94	78-125	6	20
Trichloroethene	20.00	18.83	94	77-122	6	20
Toluene	20.00	19.80	99	79-123	3	20
Chlorobenzene	20.00	18.18	91	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	77-134
1,2-Dichloroethane-d4	116	72-140
Toluene-d8	105	80-120
Bromofluorobenzene	108	80-120

RPD= Relative Percent Difference

APPENDIX B

SURVEYOR'S REPORT

DESCRIPTION	ELEVATION GROUND	DATE
B7	31.37	06/12/13
B8	30.79	06/12/13
B9	30.19	06/12/13
B10	35.25	06/12/13
B11	36.10	06/12/13

ELEVATON DATUM
NAVD 88 USING RTK GPS
ELEVATIONS ESTABLISHED WITH A DIGITAL LEVEL FROM SITE BENCH MARK