



April 10, 2014

390.024.02.003

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

Attention: Ms. Linsey Perlov

**Results of Limited Soil and Groundwater Characterization
2000 Bryant Street
San Francisco, California**

Dear Ms. Perlov:

This letter report has been prepared by PES Environmental, Inc. (PES) to summarize the results of limited subsurface soil and groundwater characterization conducted at the 2000 Bryant Street project site in San Francisco, California (the site, or subject property). The current property addresses include 611 Florida Street and 2813-2815 18th Street. A site location map is provided on 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. We understand that, if acquired, Podell plans to demolish the current structures, as well as those at the adjacent 2044-2070 Bryant Street property, and redevelop the sites with a contiguous multi-family residential complex.

As you are aware, PES recently completed a Phase I Environmental Site Assessment¹ (ESA) for the subject property. PES has also completed a Phase I ESA, limited Phase II site characterization of soil and groundwater, and a site mitigation plan (SMP) for the 2044-2070 Bryant Street property², located south of and adjacent to the subject site property. Based on the historical site uses and conditions observed during the Phase I ESA, as well as the results

¹ PES Environmental, Inc., 2014. *Phase I Environmental Site Assessment, 2000 Through 2030 Bryant Street, 2813-2815 18th Street, and 611 Florida Street, San Francisco, California.* March 13.

² PES Environmental, Inc., 2013. *Phase I Environmental Site Assessment, 2044 Through 2070 Bryant Street, San Francisco, California.* June 18.

PES Environmental, Inc., 2013. *Results of Limited Subsurface Investigation, 2044 Through 2070 Bryant Street, San Francisco, California.* July 31.

PES Environmental, Inc., 2013. *Site Mitigation Plan, 2044 - 2070 Bryant Street, San Francisco, California.* July 31.

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from the adjacent 2044-2070 Bryant Street limited site characterization, PES recommended to Podell that subsurface characterization be conducted.

Specifically, the objective of the site characterization activities included: (1) assessment of potential impacts to soil and/or groundwater from the historical auto service business at 611 Florida Street; (2) assessment from regional groundwater impacts observed at areas south of the site; and (3) assessment of shallow soil for potential concerns based on the suspected presence of historical fill materials. In accordance with PES' proposed scope of work to Podell dated February 11, 2014 (PES document reference 39002401P02), soil matrix and groundwater characterization sampling was conducted on March 1, 2014. 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 five locations (B-12 through B-16) at accessible exterior portions of the site. Three soil borings were advanced in the asphalt-paved driveway of 611 Florida Street, and two soil borings were advanced at 2813-2815 18th Street.

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

To assess soil conditions and potential environmental concerns from historic auto repair activities conducted at 611 Florida Street, a truck-mounted direct-push drill rig and a limited

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access direct-push drill rig were used to advance three soil borings (B-14, B-15, and B-16) to 6 feet below ground surface (bgs). Continuous soil cores were collected by driving a 4-foot long by 2-inch outside-diameter open-tube sampler into undisturbed soil. The open-tube sampler was lined with one 4-foot long, clear acetate sample sleeve. Soil samples collected for non-volatile compounds were collected in the acetate sample sleeve. The acetate sample sleeve was cut at the appropriate depth interval into a 6-inch long section, and sealed with Teflon liners and plastic end caps to prevent moisture and/or contaminant loss. Soil samples submitted for analysis by U.S. EPA Method 8260B were collected in accordance with U.S. EPA Method 5035 using Terracore™ samplers. Depth-discrete soil samples were collected for chemical analysis at 2.0 feet bgs and 4.0 feet bgs. Sample locations are shown on Plate 2. Boring B-14 was advanced adjacent to the storm water drop inlet to assess for potential impacts to soil from discharges to the storm water drain located in the asphalt-paved courtyard at 611 Florida Street.

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; and (3) volatile organic compounds (VOCs) by U.S. EPA Test Method 8260B.

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

Groundwater Sampling

Grab-groundwater samples were collected at three boring locations (B-12 and B-13, located at 2813-2815 18th Street, and B-14, located at 611 Florida Street). Based on depth-to-water (dtw) measurements collected at 2044 through 2070 Bryant Street, each boring was advanced to a depth of 20 feet bgs using a truck-mounted direct-push drill rig. The drill rig utilized a dual-wall sampling system. Continuous soil cores were collected in clear acetate liners, and a PES engineer supervised the drilling activities and prepared a lithologic log for each boring utilizing the United States Soil Classification System and Munsell Color Index.

A temporary well consisting of a ten-foot length of 0.75-inch diameter polyvinyl chloride (PVC) casing with factory-slotted screen was installed from approximately 10- to 20-feet bgs. Prior to sampling, dtw was measured in each temporary well with a pre-cleaned electric water-level indicator. Groundwater samples were collected using Waterra™ inertial-pumping methods to draw groundwater through an approximately 0.25-inch diameter polyethylene

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tubing installed within each of the temporary well PVC casings. Samples were collected by slowly filling the appropriate laboratory-supplied sample containers.

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 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 indicate that, consistent with the lithology observed during site characterization at 2044-2070 Bryant Street, the subsurface consists primarily of sands, silty sands, and sandy clay to the maximum depth explored of 20 feet bgs. Groundwater was first encountered at depths ranging between 9 to 10.5 feet bgs.

Soil Matrix Results

Soil matrix sample analytical results for organic compounds and metals are summarized in Tables 1 and 2, respectively. Copies of the laboratory analytical report 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 3 of 6 soil samples at concentrations ranging from 1.0 milligrams per kilogram (mg/kg) to 1.4 mg/kg;
- TPHmo was detected in 3 of 6 soil samples at concentrations ranging from 7.3 to 10 mg/kg; and
- VOCs were not detected at or above the laboratory reporting limit in any samples.

As indicated on Table 1, all reported organic compounds were well below their respective San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening

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Level (ESL) for residential land use as well as direct exposure concentrations for construction/trench workers.

Review of the metals data (as presented on Table 2) indicates the presence of metals at naturally-occurring concentrations with the exception of isolated elevated concentrations of cobalt and nickel, which were detected in some samples above their respective ESLs for residential land use. The detected metals concentrations were below their respective ESLs for construction/trench workers as well as total threshold limit concentrations (TTLCs) for hazardous waste criteria³.

Groundwater Analytical Results

Groundwater sample analytical results for analysis of organic compounds are summarized in Table 3 and plotted on Plate 3. Copies of the laboratory analytical report and chain-of-custody documentation are presented in Appendix A.

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

- TPHg was not detected at or above the laboratory reporting limit in any of the samples;
- TPHd was detected in 2 of 3 samples at concentrations of 310 and 600 micrograms per liter ($\mu\text{g/L}$);
- TPHmo was detected in 1 of 3 samples at a concentration of 1,200 $\mu\text{g/L}$;
- trichloroethene (TCE) was detected in 2 of 3 samples at concentrations of 0.6 and 1.4 $\mu\text{g/L}$; and
- tetrachloroethene (PCE) was detected in 2 of 9 samples at concentrations from 0.7 $\mu\text{g/L}$ and 0.8 $\mu\text{g/L}$;

DISCUSSION OF RESULTS

As described above, the soil matrix and groundwater investigation was conducted to evaluate subsurface conditions at the site and assess potential affects from historical site and vicinity uses. Review of the data suggests the following:

³ The total volume and locations of potential excess soil based on redevelopment plans is unknown at this time. Additional soil samples for waste characterization purposes and proper off-site disposal may be required based on the timing and total volume of excess soil.

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- As shown on Table 3, the groundwater analyses detected TPHd and TPHmo above the drinking water ESL. The VOCs TCE and PCE were detected at concentrations below their respective drinking water ESLs. Groundwater beneath the site appears to be affected by relatively low-level impact from petroleum hydrocarbons and chlorinated solvents. While the extent and source(s) of the groundwater impact is not known, chemicals detected at this site were also identified in groundwater samples collected from the adjacent 2044-2077 Bryant Street property (located south of and generally upgradient from the subject property). Upgradient groundwater samples collected along Bryant Street (including sample locations B-10 and B-11) had detections of TPHd, TPHmo, TCE, and other chlorinated solvents that appear to be coming from farther upgradient, off-site location(s). The actual routes of migration of the contaminants in shallow groundwater are likely influenced by the predominant northwest groundwater flow direction, as well as utility corridors, sanitary lines, sewer collection lines, and other potential factors;
- TCE and PCE were detected in groundwater at concentrations below residential land use ESLs for potential vapor intrusion concerns. However, based on: (1) previously detected concentrations of TCE in groundwater under the 2044-2070 Bryant Street site above the residential land use ESL for potential vapor intrusion concerns; and (2) the planned residential project building which will encompass both the 2000 Bryant Street and adjacent 2044-2070 Bryant Street sites, mitigation measures for vapor intrusion concerns will likely also be required on the subject site as part of site redevelopment; and
- Boring B-14 is located approximately 60 to 70 feet northeast of and transgradient to the underground storage tank (UST) at 2044 Bryant Street. Prior sampling of the contents of the UST indicated the presence of weathered gasoline, motor oil, and tetrachloroethene (PCE). Groundwater collected from boring B-14 contained low concentrations of PCE and TCE; however, TPHg, TPHd, TPHmo, and VOCs were not detected, and indicate that groundwater beneath the western portion of the subject site does not appear to be significantly impacted by suspected releases from this UST, and that the detections may be related to off-site impacts detected in groundwater at upgradient locations (i.e., as detected in borings B-10 and B-11).

SUMMARY AND RECOMMENDATIONS

The results of the site testing indicate: (1) selected organic compounds (TPHd and TPHmo) were detected above their respective ESLs for residential land use in groundwater beneath the subject property; (2) the metals nickel, cobalt, and arsenic were detected above their respective ESLs for residential land use in soil beneath the subject property; (3) the type and magnitude

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of concentration of organic compounds and metals (with the exception of lead) are generally consistent with soil and groundwater detections at the 2044 through 2070 Bryant Street site; (4) evidence of a significant release from the historical auto repair activities at 611 Florida Street are indicated by the analytical results; and (5) groundwater beneath the site appears to be affected by regional and relatively low-level concentrations of petroleum hydrocarbons and chlorinated solvents from suspected upgradient, off-site locations.

As you know, the SMP for 2044-2070 Bryant Street site was previously submitted to the San Francisco Department of Public Health (SFDPH). As discussed recently with SFDPH, an amendment to the SMP should be prepared to provide the current subject site data. In accordance with SFDPH's original conditional SMP approval letter dated October 9, 2013, a revised SMP will be prepared and re-submitted after site development and design plans are completed that identify areas of planned soil excavation on the combined project site (i.e., both the 2000 Bryant Street and the 2070 Bryant Street properties).

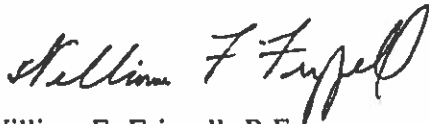
Please feel free to contact either of the undersigned if you have any questions regarding this report.

Yours very truly,

PES ENVIRONMENTAL, INC.



Christopher J. Baldassari, P.G.
Senior Geologist



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
Plate 1 - Site Location
Plate 2 - Site Plan with Boring Locations
Plate 3 - Groundwater Analytical Results
Appendix A - Laboratory Analytical Report and Chain-of-Custody Forms
(Provided on CD-ROM)

TABLES

Table 1
Summary of Analytical Results for Soil - Organics
Limited Soil and Groundwater Characterization
611 Florida Street and 2813-2815 18th Street
San Francisco, California

Boring Identification	Sample Identification	Sample Depth (Feet bgs)	Date Collected	Petroleum Hydrocarbons			VOCs
				TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	
B-14	B-14-2	2.0	3/1/2014	ND (0.18)	1.4 Y	10	All ND
	B-14-4	4.0	3/1/2014	ND (0.18)	1.3 Y	8.3	All ND
B-15	B-15-2	2.0	3/1/2014	ND (0.21)	ND (1.0)	ND (5.0)	All ND
	B-15-4	4.0	3/1/2014	ND (0.21)	ND (0.99)	ND (5.0)	All ND
B-16	B-16-2	2.0	3/1/2014	ND (0.21)	ND (0.99)	ND (5.0)	All ND
	B-16-4	4.0	3/1/2014	ND (0.18)	1.0 Y	7.3	All ND
Shallow (<3 meters bgs) Soil ESL⁽¹⁾				100	100	100	Varies
Direct Exposure ESL⁽²⁾				2,700	900	28,000	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.

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⁾ = December 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⁾ = December 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for construction/trench worker exposure scenario (Table K-3) (mg/kg).

Table 2
Summary of Analytical Results for Soil - Metals
 Limited Soil and Groundwater Characterization
 611 Florida Street and 2813-2815 18th 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-14	B-14-2	2.0	3/1/2014	1.1	6.9	340	0.29	1.3	47	10	48	48	0.15	ND (0.25)	80	ND (0.51)	ND (0.25)	ND (0.51)	42	70
	B-14-4	4.0	3/1/2014	ND (0.46)	1.8	96	0.16	0.63	45	6.0	17	43	0.24	0.63	36	ND (0.46)	ND (0.23)	ND (0.46)	31	70
B-15	B-15-2	2.0	3/1/2014	ND (0.50)	3.1	120	0.32	1.1	20	18	26	13	0.031	ND (0.25)	41	ND (0.50)	ND (0.25)	ND (0.50)	29	60
	B-15-4	4.0	3/1/2014	ND (0.48)	2.2	49	0.11	0.86	81	20	6.4	6.6	ND (0.016)	ND (0.24)	360	ND (0.48)	ND (0.24)	ND (0.48)	43	28
B-16	B-16-2	2.0	3/1/2014	ND (0.52)	3.5	71	0.16	0.58	31	6.4	13	8.1	0.036	ND (0.26)	30	ND (0.52)	ND (0.26)	ND (0.52)	31	28
	B-16-4	4.0	3/1/2014	ND (0.54)	3.7	180	0.31	1.3	92	28	16	13	0.028	ND (0.27)	440	ND (0.54)	ND (0.27)	ND (0.54)	46	34
Shallow (<3 meters bgs) Soil ESL ⁽¹⁾				20	0.39	780	4.0	12	1000	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	NV	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⁾ = December 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⁾ = December 2013 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental 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
Limited Soil and Groundwater Characterization
611 Florida Street and 2813-2815 18th Street
San Francisco, California

Boring Identification	Date Collected	Petroleum Hydrocarbons			VOCs		
		TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	TCE (µg/L)	PCE (µg/L)	Other VOCs (µg/L)
B-12-W	3/1/2014	ND (50)	310 Y	ND (300)	0.6	ND (0.5)	All ND
B-13-W	3/1/2014	ND (50)	600 Y	1,200	ND (0.5)	ND (0.5)	All ND
B-14-W	3/1/2014	ND (50)	ND (50)	ND (300)	1.4	0.5	All ND
Groundwater ESL ⁽¹⁾		100	100	100	5.0	0.55	Varies
Groundwater ESL for Evaluation of Potential Vapor Intrusion Concerns at Residential Site ⁽²⁾		NV	NV	NV	5.2	2.3	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).

TCE = Trichloroethene.

PCE = Tetrachloroethene.

VOCs = Volatile organic compounds.

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.

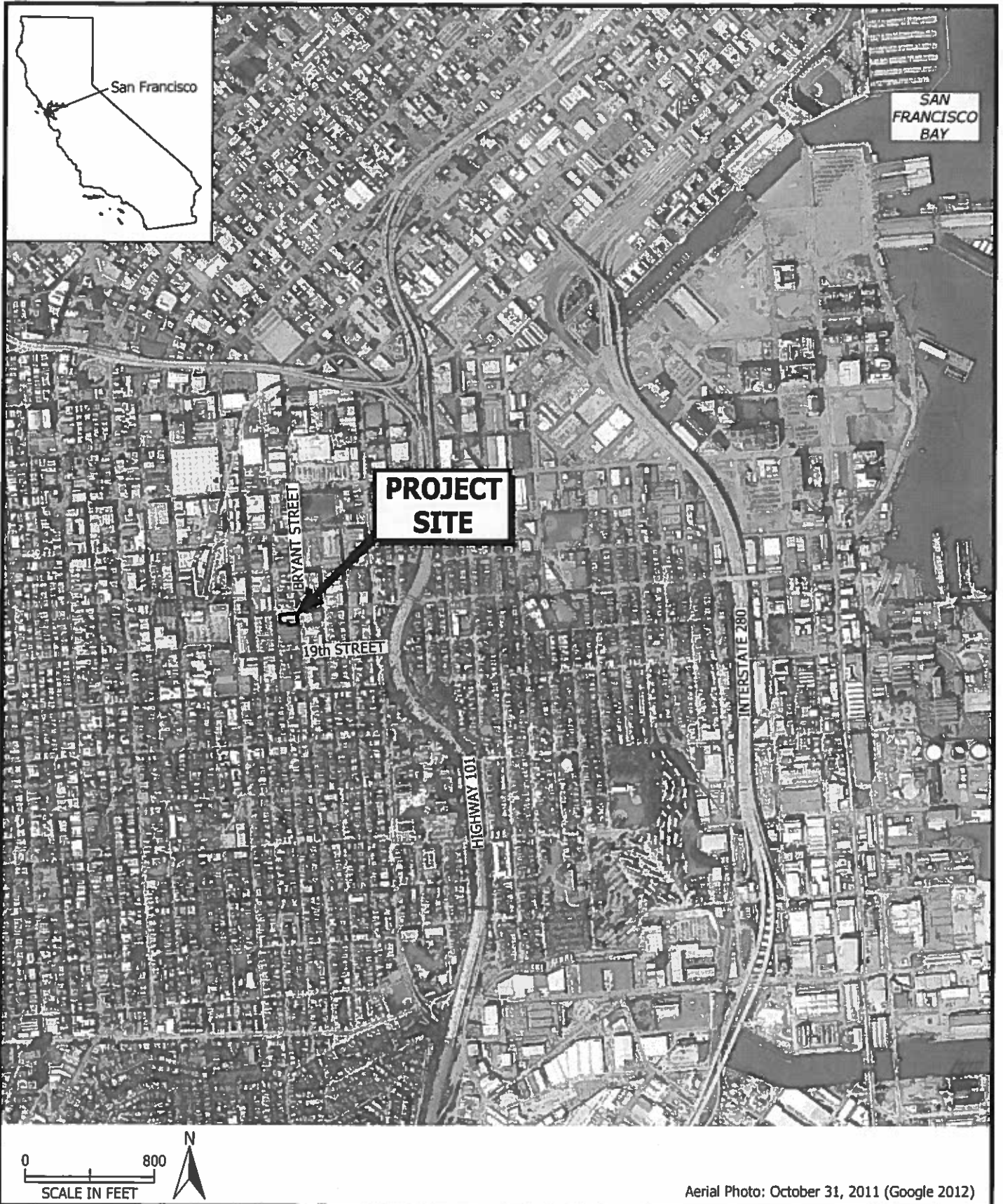
NV = No value.

⁽¹⁾ = December 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⁾ = December 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.

PLATES



PES Environmental, Inc.
Engineering & Environmental Services




Site Location
Limited Soil and Groundwater Characterization
611 Florida Street and 2813-2815 18th Street
San Francisco, California

PLATE
1



Explanation

-  Approximate Property Boundary
-  Site Address Boundary

- B-15  Soil Sample Location
- B-12  Groundwater Sample Location
- B-14  Soil and Groundwater Sample Location



Aerial Photo: October 31, 2011 (Google 2013)

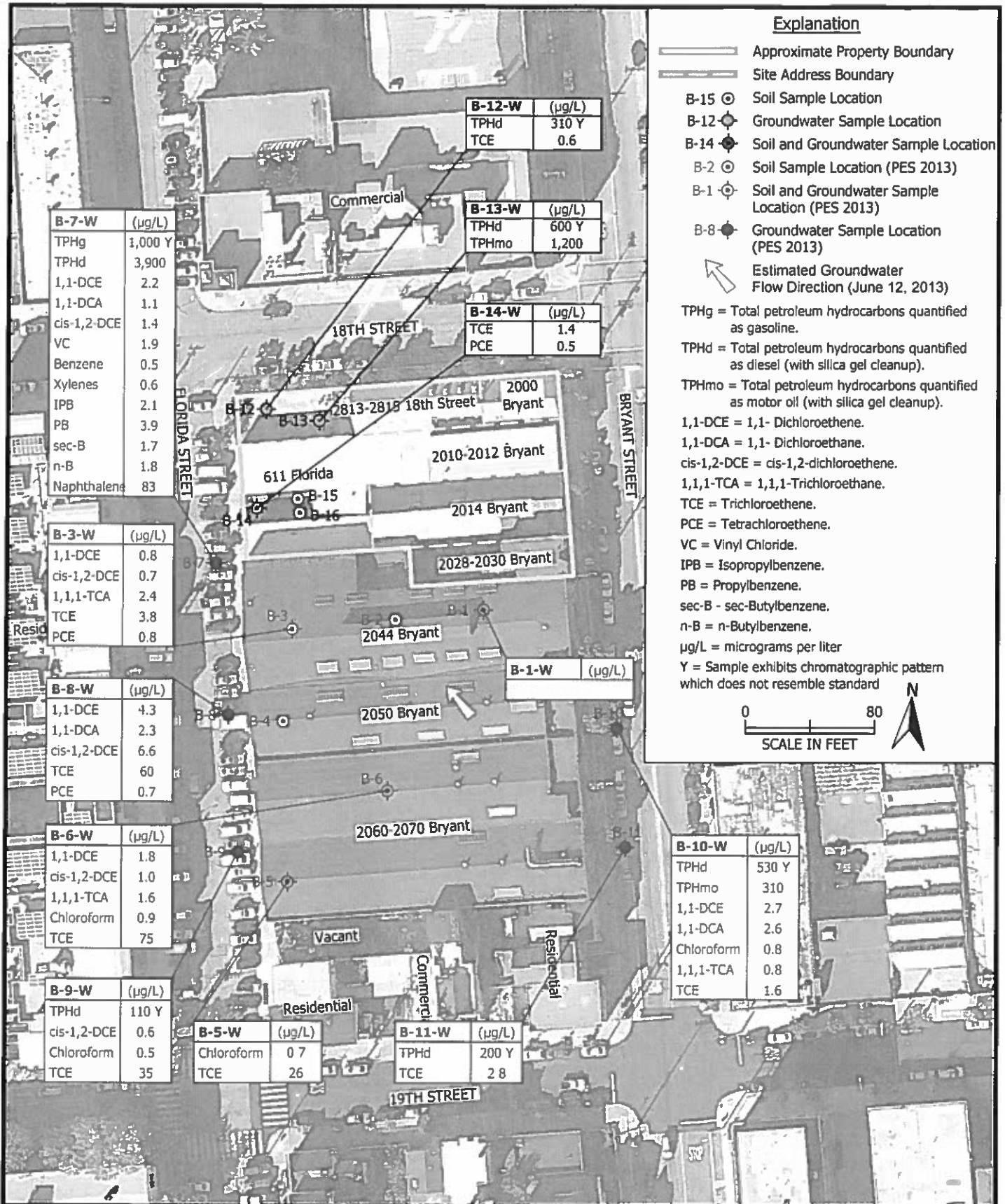


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan with Boring Locations
Limited Soil and Groundwater Characterization
611 Florida Street and 2813-2815 18th Street
San Francisco, California

PLATE

2



APPENDIX A

**LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY FORMS
(PROVIDED ON CD-ROM)**

A black and white photograph of a landscape. In the foreground, there are rolling hills with a winding road that curves through them. The middle ground shows more hills with scattered trees. In the background, a city skyline is visible through a hazy atmosphere, with a prominent tower on the right side. The overall scene is serene and scenic.

ct 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 253959
ANALYTICAL REPORT

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

Project : 390.024.02.002
Location : 611 Florida & 2813-2815 18th
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
TRIPBLANK	253959-001
B-14-2	253959-002
B-14-4	253959-003
B-15-2	253959-004
B-15-4	253959-005
B-16-2	253959-006
B-16-4	253959-007
B-14-W	253959-008
B-13-W	253959-009
B-12-W	253959-010

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: 03/11/2014

Will S Rice
Project Manager
will.rice@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

Laboratory number: 253959
Client: PES Environmental, Inc.
Project: 390.024.02.002
Location: 611 Florida & 2813-2815 18th
Request Date: 03/03/14
Samples Received: 03/03/14

This data package contains sample and QC results for six soil samples and four water samples, requested for the above referenced project on 03/03/14. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

B-14-W (lab # 253959-008) had multiple vials combined due to sediment. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

Matrix spikes were not performed for this analysis in batch 208533 due to insufficient sample amount. No other analytical problems were encountered.

Metals (EPA 6010B):

Low recovery was observed for beryllium in the MS for batch 208672; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. High RPD was observed for antimony in the MS/MSD for batch 208672; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 253155 Date Received B14103 03/03/11 Number of coolers 1
 Client PCS Project 611 Florida

Date Opened 2/03 By (print) S. M. (sign) [Signature]
 Date Logged in 6 By (print) S (sign) [Signature]

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

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) 4.7

- 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? B15

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

Total Volatile Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/01/14
Units:	ug/L	Received:	03/03/14
Diln Fac:	1.000	Analyzed:	03/06/14
Batch#:	208677		

Field ID: TRIPBLANK Lab ID: 253959-001
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	90	77-128

Field ID: B-14-W Lab ID: 253959-008
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	77-128

Field ID: B-13-W Lab ID: 253959-009
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	77-128

Field ID: B-12-W Lab ID: 253959-010
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	77-128

Type: BLANK Lab ID: QC730504

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	93	77-128

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC730503	Batch#:	208677
Matrix:	Water	Analyzed:	03/06/14
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	938.5	94	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	86	77-128

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	208677
MSS Lab ID:	254026-007	Sampled:	03/03/14
Matrix:	Water	Received:	03/04/14
Units:	ug/L	Analyzed:	03/07/14
Diln Fac:	1.000		

Type: MS Lab ID: QC730505

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	21.60	2,000	1,750	86	74-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	77-128

Type: MSD Lab ID: QC730506

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,781	88	74-120	2	27

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	77-128

Gasoline by GC/FID (5035 Prep)

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	208562
Units:	mg/Kg	Sampled:	03/01/14
Basis:	as received	Received:	03/03/14
Diln Fac:	1.000		

Field ID: B-14-2 Lab ID: 253959-002
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.18

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	123	67-137

Field ID: B-14-4 Lab ID: 253959-003
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.18

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	67-137

Field ID: B-15-2 Lab ID: 253959-004
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	123	67-137

Field ID: B-15-4 Lab ID: 253959-005
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	115	67-137

Field ID: B-16-2 Lab ID: 253959-006
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	67-137

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Gasoline by GC/FID (5035 Prep)			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	208562
Units:	mg/Kg	Sampled:	03/01/14
Basis:	as received	Received:	03/03/14
Diln Fac:	1.000		

Field ID: B-16-4 Lab ID: 253959-007
 Type: SAMPLE Analyzed: 03/05/14

Analyte	Result	RL
Gasoline C7-C12	ND	0.18

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	119	67-137

Type: BLANK Analyzed: 03/04/14
 Lab ID: QC730025

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	93	67-137

Batch QC Report

Gasoline by GC/FID (5035 Prep)

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC730024	Batch#:	208562
Matrix:	Soil	Analyzed:	03/04/14
Units:	mg/Kg		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.000	0.9536	95	80-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	67-137

Batch QC Report

Gasoline by GC/FID (5035 Prep)			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	253992-001	Batch#:	208562
Matrix:	Soil	Sampled:	02/27/14
Units:	mg/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Type: MS Lab ID: QC730026

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.08232	10.31	9.183	89	42-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	114	67-137

Type: MSD Lab ID: QC730027

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.20	9.469	93	42-120	4	44

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	120	67-137

RPD= Relative Percent Difference

Total Extractable Hydrocarbons

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/01/14
Units:	ug/L	Received:	03/03/14
Diln Fac:	1.000	Prepared:	03/04/14
Batch#:	208553		

Field ID: B-14-W Analyzed: 03/06/14
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 253959-008

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

Surrogate	%REC	Limits
o-Terphenyl	88	66-129

Field ID: B-13-W Analyzed: 03/06/14
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 253959-009

Analyte	Result	RL
Diesel C10-C24	600 Y	50
Motor Oil C24-C36	1,200	300

Surrogate	%REC	Limits
o-Terphenyl	80	66-129

Field ID: B-12-W Analyzed: 03/06/14
 Type: SAMPLE Cleanup Method: EPA 3630C
 Lab ID: 253959-010

Analyte	Result	RL
Diesel C10-C24	310 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	90	66-129

Type: BLANK Analyzed: 03/05/14
 Lab ID: QC729996 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
o-Terphenyl	119	66-129

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	208553
Units:	ug/L	Prepared:	03/04/14
Diln Fac:	1.000	Analyzed:	03/05/14

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC729997

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,274	91	61-120

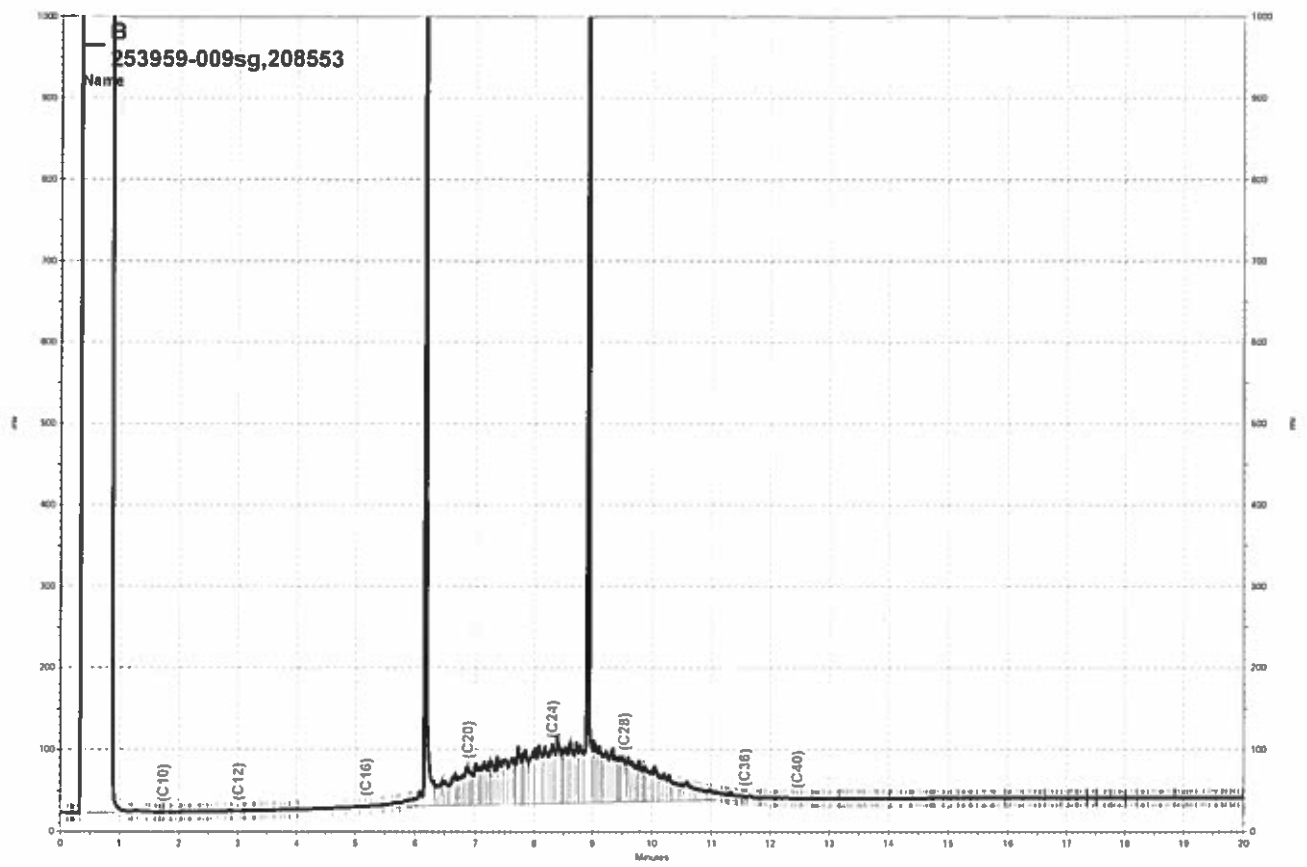
Surrogate	%REC	Limits
o-Terphenyl	104	66-129

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC729998

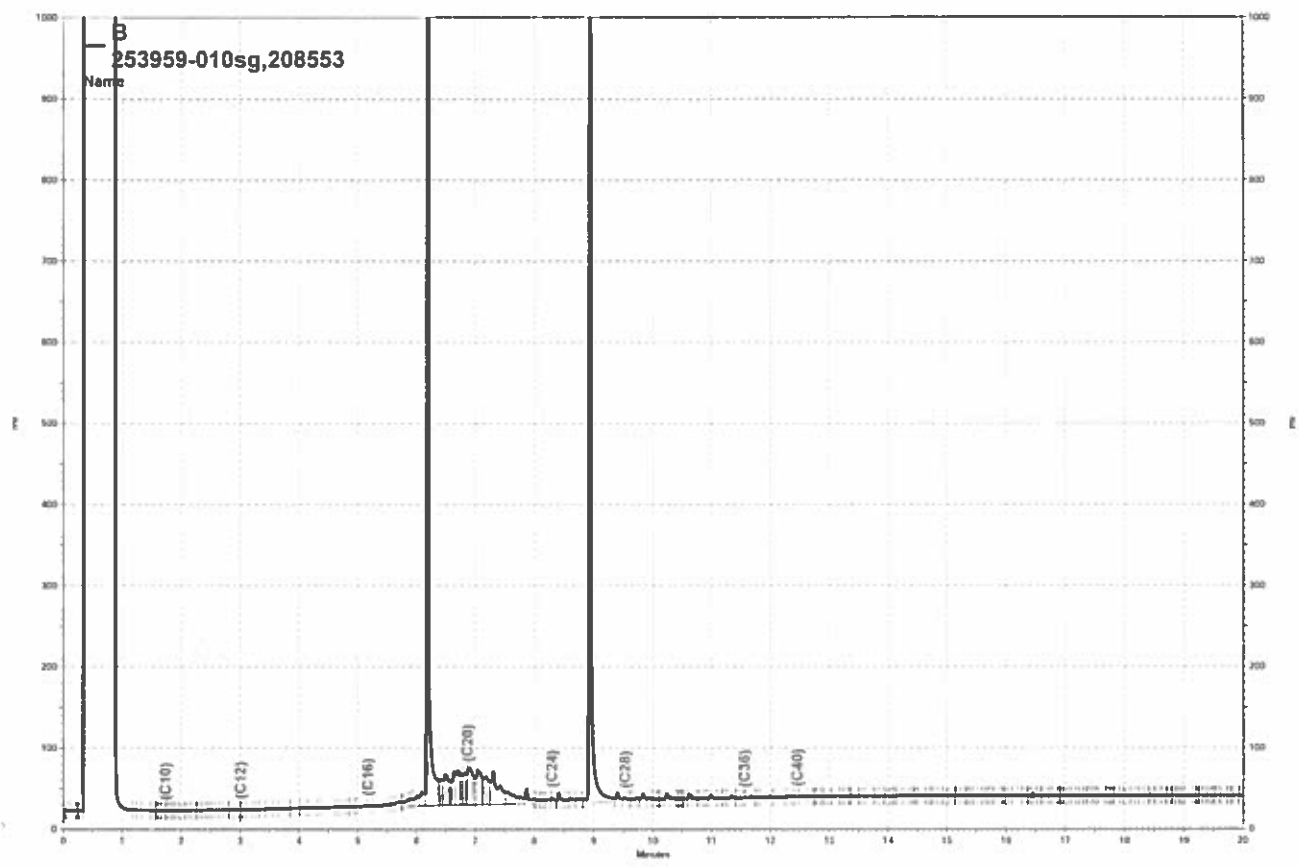
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,120	85	61-120	7	45

Surrogate	%REC	Limits
o-Terphenyl	97	66-129

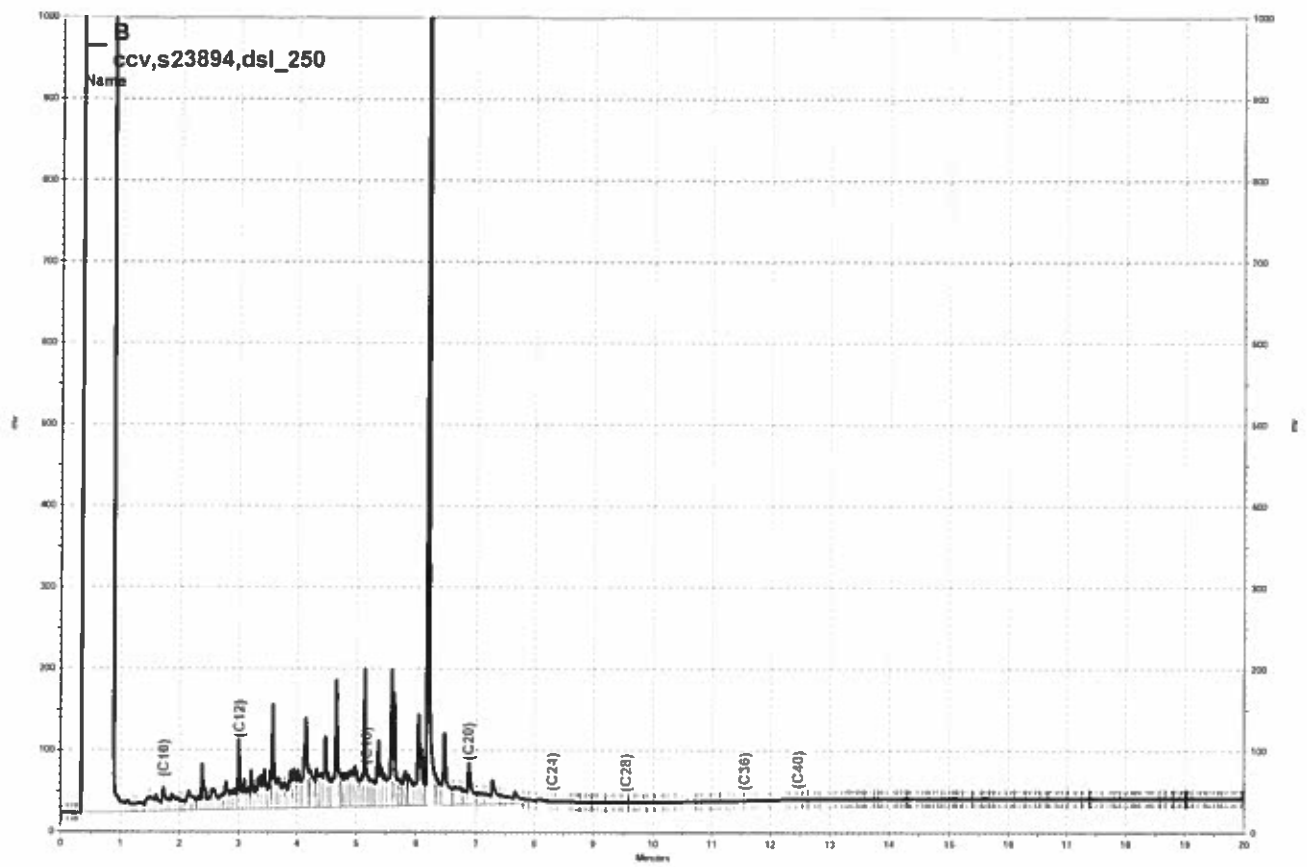
RPD= Relative Percent Difference



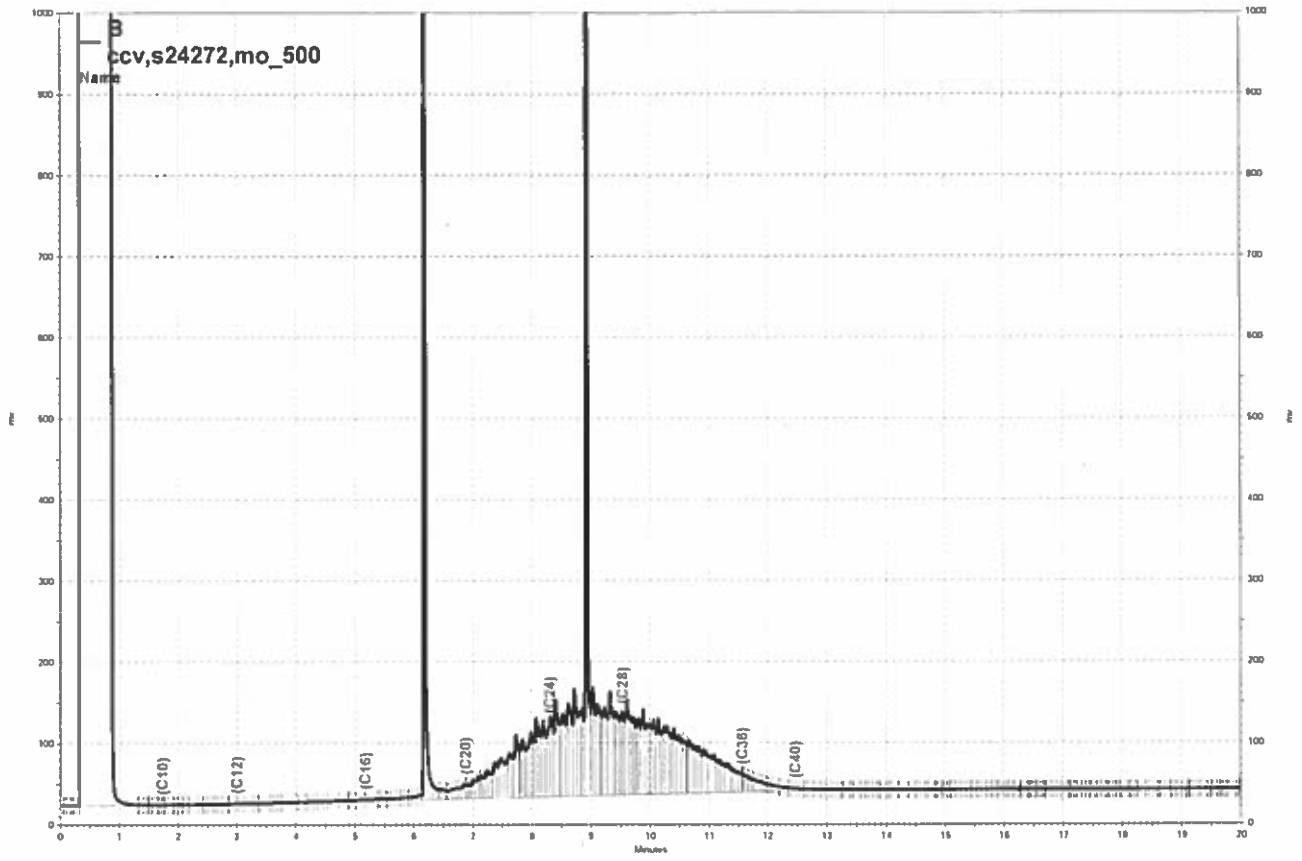
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Total Extractable Hydrocarbons

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14
Basis:	as received	Prepared:	03/05/14
Diln Fac:	1.000	Analyzed:	03/05/14
Batch#:	208587		

Field ID: B-14-2 Lab ID: 253959-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.4 Y	1.0
Motor Oil C24-C36	10	5.0

Surrogate	%REC	Limits
o-Terphenyl	109	64-136

Field ID: B-14-4 Lab ID: 253959-003
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0
Motor Oil C24-C36	8.3	5.0

Surrogate	%REC	Limits
o-Terphenyl	91	64-136

Field ID: B-15-2 Lab ID: 253959-004
 Type: SAMPLE 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	97	64-136

Field ID: B-15-4 Lab ID: 253959-005
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	91	64-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Total Extractable Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14
Basis:	as received	Prepared:	03/05/14
Diln Fac:	1.000	Analyzed:	03/05/14
Batch#:	208587		

Field ID: B-16-2 Lab ID: 253959-006
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	112	64-136

Field ID: B-16-4 Lab ID: 253959-007
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.0 Y	0.99
Motor Oil C24-C36	7.3	5.0

Surrogate	%REC	Limits
o-Terphenyl	93	64-136

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC730124

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

Surrogate	%REC	Limits
o-Terphenyl	104	64-136

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC730125	Batch#:	208587
Matrix:	Soil	Prepared:	03/05/14
Units:	mg/Kg	Analyzed:	03/05/14

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.07	44.45	89	61-132

Surrogate	%REC	Limits
o-Terphenyl	104	64-136

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	390.024.02.002	Analysis:	EPA 8015B
Field ID:	B-15-4	Batch#:	208587
MSS Lab ID:	253959-005	Sampled:	03/01/14
Matrix:	Soil	Received:	03/03/14
Units:	mg/Kg	Prepared:	03/05/14
Basis:	as received	Analyzed:	03/05/14
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC730126

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.3045	49.62	41.62	84	40-146

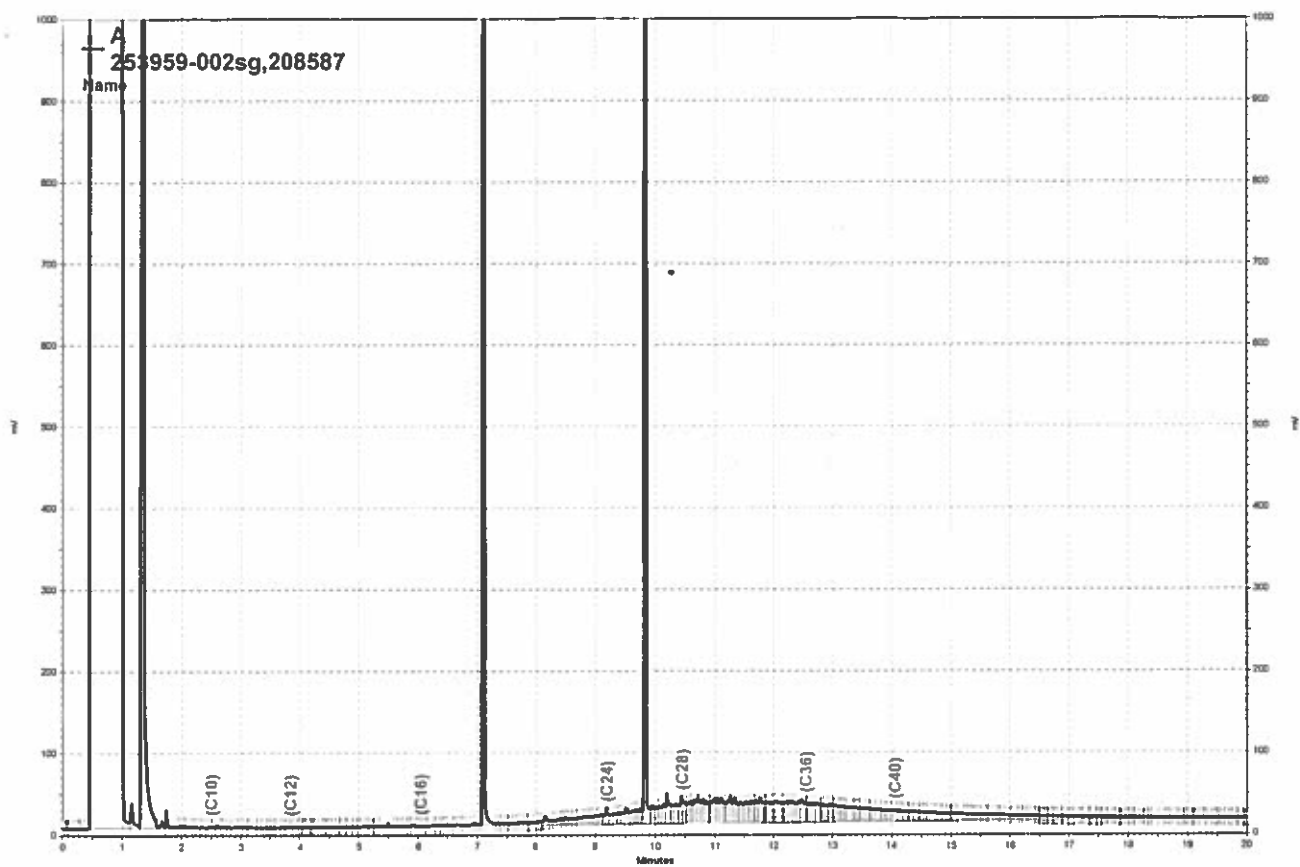
Surrogate	%REC	Limits
o-Terphenyl	99	64-136

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC730127

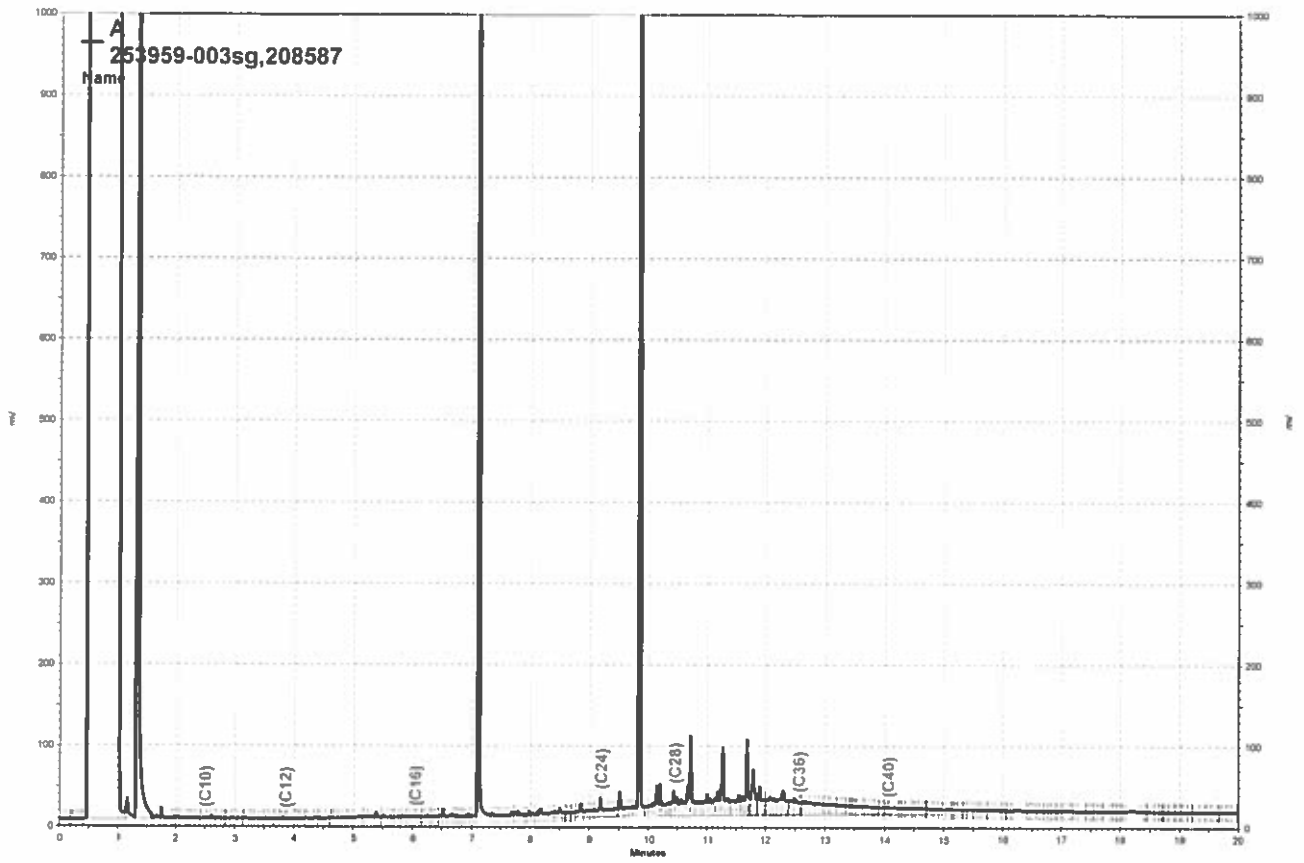
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.25	42.83	85	40-146	2	56

Surrogate	%REC	Limits
o-Terphenyl	100	64-136

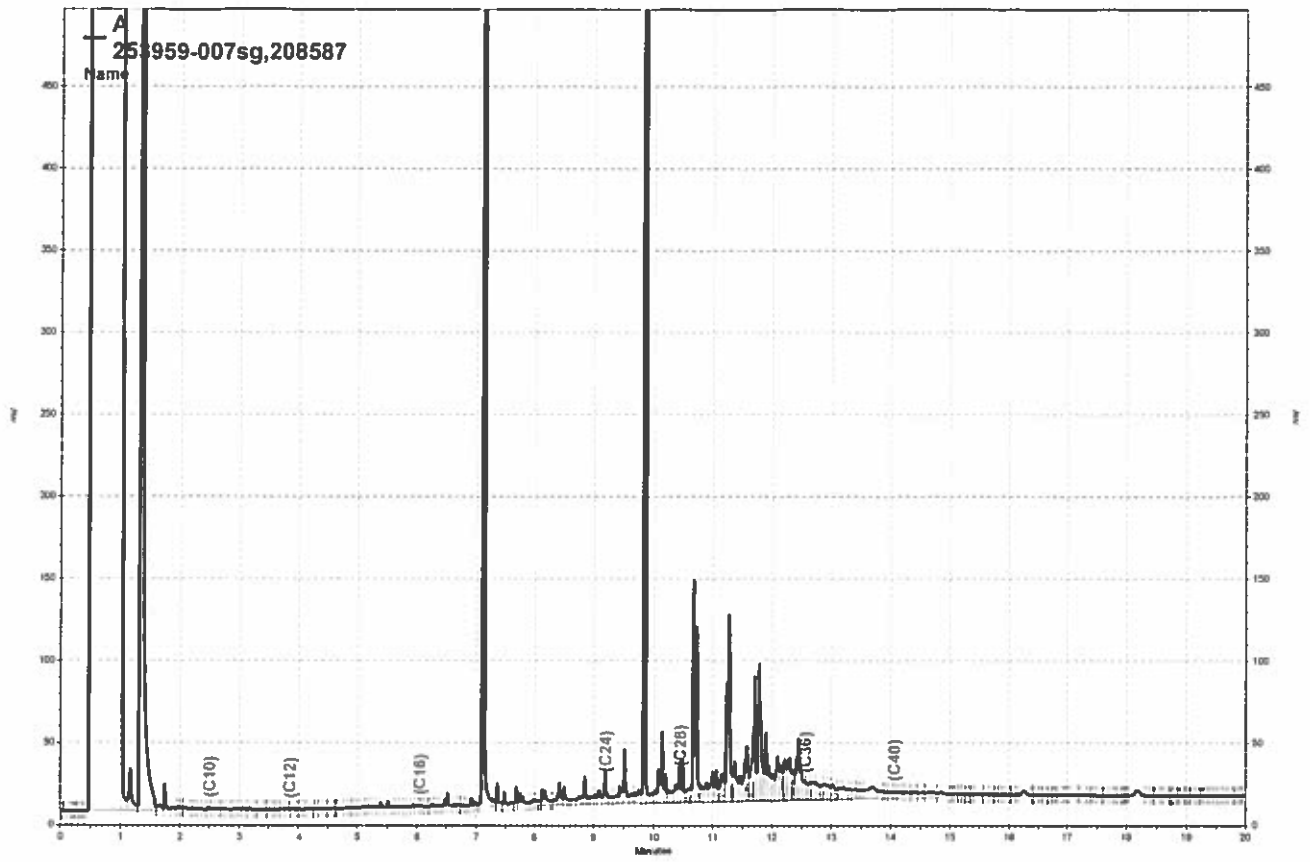
RPD= Relative Percent Difference



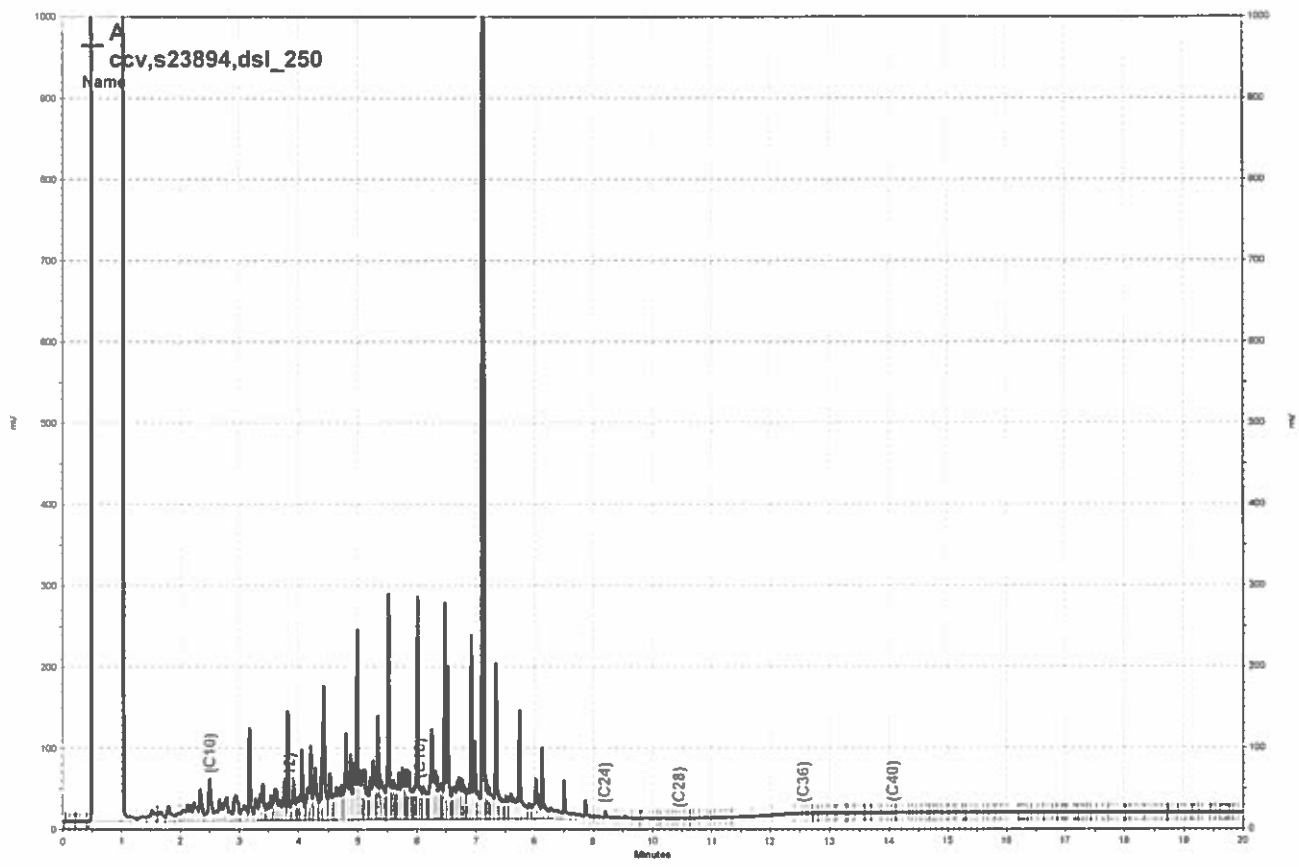
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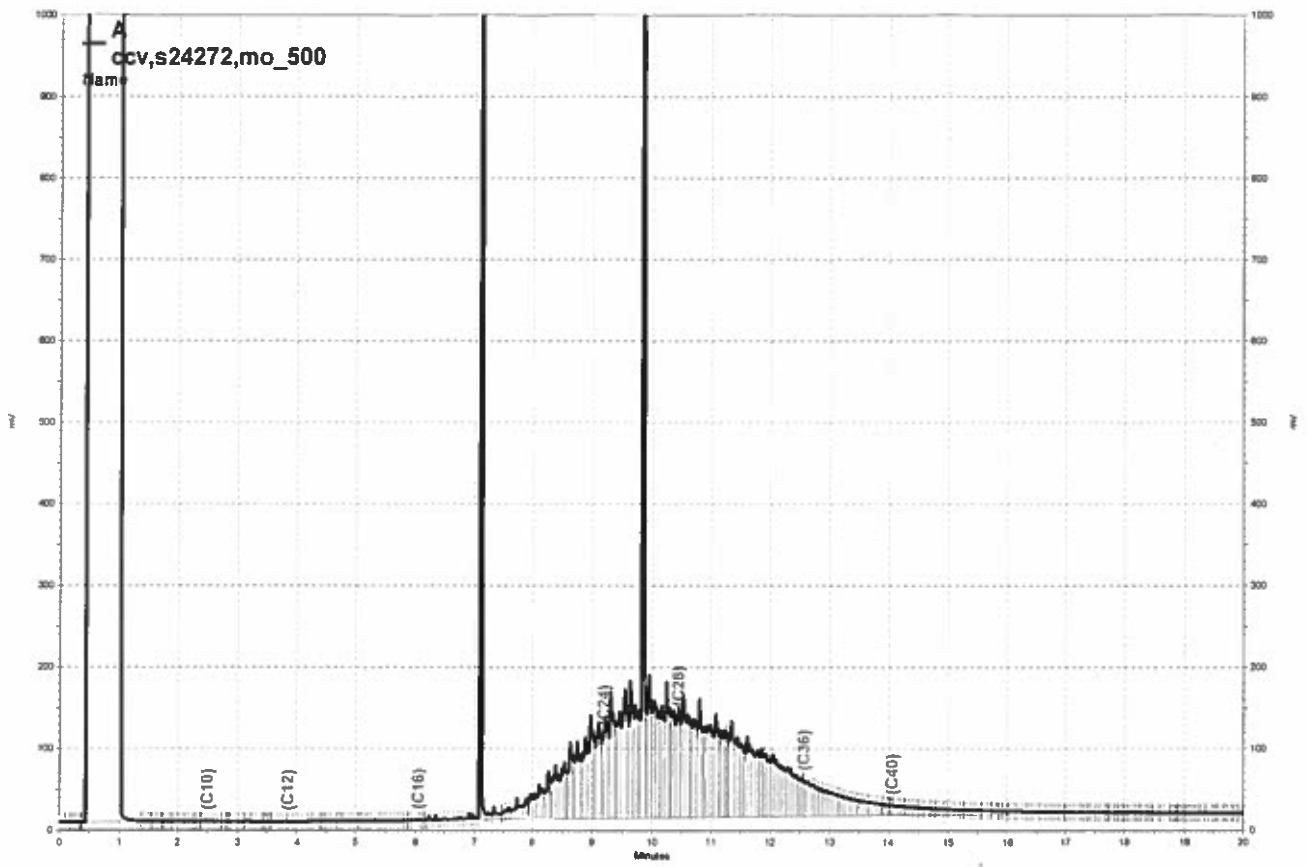
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Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	TRIPBLANK	Batch#:	208532
Lab ID:	253959-001	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/04/14
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

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	TRIPBLANK	Batch#:	208532
Lab ID:	253959-001	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/04/14
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	77-136
1,2-Dichloroethane-d4	94	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-W	Batch#:	208641
Lab ID:	253959-008	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/06/14
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	1.4	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	0.5	0.5

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-W	Batch#:	208641
Lab ID:	253959-008	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/06/14
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	107	77-136
1,2-Dichloroethane-d4	106	75-139
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-13-W	Batch#:	208538
Lab ID:	253959-009	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/04/14
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

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-13-W	Batch#:	208538
Lab ID:	253959-009	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/04/14
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	103	77-136
1,2-Dichloroethane-d4	108	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-12-W	Batch#:	208591
Lab ID:	253959-010	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/05/14
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	0.6	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
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Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-12-W	Batch#:	208591
Lab ID:	253959-010	Sampled:	03/01/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/05/14
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	97	77-136
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	208532
Units:	ug/L	Analyzed:	03/04/14
Diln Fac:	1.000		

Type: BS Lab ID: QC729916

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	10.99	88	65-134
Benzene	12.50	12.39	99	80-124
Trichloroethene	12.50	12.93	103	80-120
Toluene	12.50	13.02	104	80-122
Chlorobenzene	12.50	12.07	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	77-136
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC729917

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.13	89	65-134	1	20
Benzene	12.50	12.22	98	80-124	1	20
Trichloroethene	12.50	12.45	100	80-120	4	20
Toluene	12.50	12.71	102	80-122	2	20
Chlorobenzene	12.50	11.91	95	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	77-136
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729918	Batch#:	208532
Matrix:	Water	Analyzed:	03/04/14
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

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729918	Batch#:	208532
Matrix:	Water	Analyzed:	03/04/14
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	77-136
1,2-Dichloroethane-d4	95	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	208538
Units:	ug/L	Analyzed:	03/04/14
Diln Fac:	1.000		

Type: BS Lab ID: QC729939

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	10.66	85	65-134
Benzene	12.50	12.75	102	80-124
Trichloroethene	12.50	12.38	99	80-120
Toluene	12.50	12.13	97	80-122
Chlorobenzene	12.50	11.78	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	77-136
1,2-Dichloroethane-d4	98	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	90	80-120

Type: BSD Lab ID: QC729940

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	10.84	87	65-134	2	20
Benzene	12.50	12.25	98	80-124	4	20
Trichloroethene	12.50	12.13	97	80-120	2	20
Toluene	12.50	11.54	92	80-122	5	20
Chlorobenzene	12.50	11.05	88	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	77-136
1,2-Dichloroethane-d4	100	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	93	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729941	Batch#:	208538
Matrix:	Water	Analyzed:	03/04/14
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

Batch QC Report
Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729941	Batch#:	208538
Matrix:	Water	Analyzed:	03/04/14
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	95	77-136
1,2-Dichloroethane-d4	108	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	208591
Units:	ug/L	Analyzed:	03/05/14
Diln Fac:	1.000		

Type: BS Lab ID: QC730138

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.91	95	65-134
Benzene	12.50	11.56	92	80-124
Trichloroethene	12.50	11.29	90	80-120
Toluene	12.50	12.31	99	80-122
Chlorobenzene	12.50	11.78	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-136
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-120

Type: BSD Lab ID: QC730139

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.57	93	65-134	3	20
Benzene	12.50	11.30	90	80-124	2	20
Trichloroethene	12.50	10.81	86	80-120	4	20
Toluene	12.50	11.53	92	80-122	7	20
Chlorobenzene	12.50	11.44	92	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-136
1,2-Dichloroethane-d4	92	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC730140	Batch#:	208591
Matrix:	Water	Analyzed:	03/05/14
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

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC730140	Batch#:	208591
Matrix:	Water	Analyzed:	03/05/14
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	105	77-136
1,2-Dichloroethane-d4	91	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	208641
Units:	ug/L	Analyzed:	03/06/14
Diln Fac:	1.000		

Type: BS Lab ID: QC730342

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.89	95	65-134
Benzene	12.50	13.00	104	80-124
Trichloroethene	12.50	12.95	104	80-120
Toluene	12.50	12.93	103	80-122
Chlorobenzene	12.50	11.77	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	77-136
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-120

Type: BSD Lab ID: QC730343

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	12.17	97	65-134	2	20
Benzene	12.50	12.45	100	80-124	4	20
Trichloroethene	12.50	12.22	98	80-120	6	20
Toluene	12.50	12.76	102	80-122	1	20
Chlorobenzene	12.50	11.62	93	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	77-136
1,2-Dichloroethane-d4	105	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC730344	Batch#:	208641
Matrix:	Water	Analyzed:	03/06/14
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

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC730344	Batch#:	208641
Matrix:	Water	Analyzed:	03/06/14
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	105	77-136
1,2-Dichloroethane-d4	104	75-139
Toluene-d8	104	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	208641
MSS Lab ID:	253985-003	Sampled:	03/03/14
Matrix:	Water	Received:	03/03/14
Units:	ug/L	Analyzed:	03/06/14
Diln Fac:	2.000		

Type: MS Lab ID: QC730427

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2234	25.00	26.33	105	69-129
Benzene	<0.2000	25.00	26.27	105	80-127
Trichloroethene	<0.2000	25.00	25.13	101	70-127
Toluene	<0.2000	25.00	26.00	104	80-123
Chlorobenzene	<0.2000	25.00	23.74	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	77-136
1,2-Dichloroethane-d4	110	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-120

Type: MSD Lab ID: QC730428

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.56	106	69-129	1	26
Benzene	25.00	25.88	104	80-127	2	23
Trichloroethene	25.00	24.81	99	70-127	1	21
Toluene	25.00	25.64	103	80-123	1	22
Chlorobenzene	25.00	23.54	94	80-120	1	22

Surrogate	%REC	Limits
Dibromofluoromethane	109	77-136
1,2-Dichloroethane-d4	110	75-139
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-2	Diln Fac:	0.7849
Lab ID:	253959-002	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-2	Diln Fac:	0.7849
Lab ID:	253959-002	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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	107	76-128
1,2-Dichloroethane-d4	110	80-137
Toluene-d8	104	80-120
Bromofluorobenzene	108	79-128

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-4	Diln Fac:	0.8157
Lab ID:	253959-003	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Freon 12	ND	8.2
Chloromethane	ND	8.2
Vinyl Chloride	ND	8.2
Bromomethane	ND	8.2
Chloroethane	ND	8.2
Trichlorofluoromethane	ND	4.1
Acetone	ND	16
Freon 113	ND	4.1
1,1-Dichloroethene	ND	4.1
Methylene Chloride	ND	16
Carbon Disulfide	ND	4.1
MTBE	ND	4.1
trans-1,2-Dichloroethene	ND	4.1
Vinyl Acetate	ND	41
1,1-Dichloroethane	ND	4.1
2-Butanone	ND	8.2
cis-1,2-Dichloroethene	ND	4.1
2,2-Dichloropropane	ND	4.1
Chloroform	ND	4.1
Bromochloromethane	ND	4.1
1,1,1-Trichloroethane	ND	4.1
1,1-Dichloropropene	ND	4.1
Carbon Tetrachloride	ND	4.1
1,2-Dichloroethane	ND	4.1
Benzene	ND	4.1
Trichloroethene	ND	4.1
1,2-Dichloropropane	ND	4.1
Bromodichloromethane	ND	4.1
Dibromomethane	ND	4.1
4-Methyl-2-Pentanone	ND	8.2
cis-1,3-Dichloropropene	ND	4.1
Toluene	ND	4.1
trans-1,3-Dichloropropene	ND	4.1
1,1,2-Trichloroethane	ND	4.1
2-Hexanone	ND	8.2
1,3-Dichloropropane	ND	4.1
Tetrachloroethene	ND	4.1

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-14-4	Diln Fac:	0.8157
Lab ID:	253959-003	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Dibromochloromethane	ND	4.1
1,2-Dibromoethane	ND	4.1
Chlorobenzene	ND	4.1
1,1,1,2-Tetrachloroethane	ND	4.1
Ethylbenzene	ND	4.1
m,p-Xylenes	ND	4.1
o-Xylene	ND	4.1
Styrene	ND	4.1
Bromoform	ND	4.1
Isopropylbenzene	ND	4.1
1,1,2,2-Tetrachloroethane	ND	4.1
1,2,3-Trichloropropane	ND	4.1
Propylbenzene	ND	4.1
Bromobenzene	ND	4.1
1,3,5-Trimethylbenzene	ND	4.1
2-Chlorotoluene	ND	4.1
4-Chlorotoluene	ND	4.1
tert-Butylbenzene	ND	4.1
1,2,4-Trimethylbenzene	ND	4.1
sec-Butylbenzene	ND	4.1
para-Isopropyl Toluene	ND	4.1
1,3-Dichlorobenzene	ND	4.1
1,4-Dichlorobenzene	ND	4.1
n-Butylbenzene	ND	4.1
1,2-Dichlorobenzene	ND	4.1
1,2-Dibromo-3-Chloropropane	ND	4.1
1,2,4-Trichlorobenzene	ND	4.1
Hexachlorobutadiene	ND	4.1
Naphthalene	ND	4.1
1,2,3-Trichlorobenzene	ND	4.1

Surrogate	%REC	Limits
Dibromofluoromethane	107	76-128
1,2-Dichloroethane-d4	114	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	103	79-128

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-15-2	Diln Fac:	0.9709
Lab ID:	253959-004	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Freon 12	ND	9.7
Chloromethane	ND	9.7
Vinyl Chloride	ND	9.7
Bromomethane	ND	9.7
Chloroethane	ND	9.7
Trichlorofluoromethane	ND	4.9
Acetone	ND	19
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.7
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.7
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.7
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-15-2	Diln Fac:	0.9709
Lab ID:	253959-004	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	107	76-128
1,2-Dichloroethane-d4	112	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	102	79-128

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-15-4	Diln Fac:	1.018
Lab ID:	253959-005	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-15-4	Diln Fac:	1.018
Lab ID:	253959-005	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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	107	76-128
1,2-Dichloroethane-d4	110	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	103	79-128

ND= Not Detected
 RL= Reporting Limit
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Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-16-2	Diln Fac:	0.8818
Lab ID:	253959-006	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-16-2	Diln Fac:	0.8818
Lab ID:	253959-006	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

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	106	76-128
1,2-Dichloroethane-d4	113	80-137
Toluene-d8	104	80-120
Bromofluorobenzene	107	79-128

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-16-4	Diln Fac:	1.035
Lab ID:	253959-007	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.2
Acetone	ND	21
Freon 113	ND	5.2
1,1-Dichloroethene	ND	5.2
Methylene Chloride	ND	21
Carbon Disulfide	ND	5.2
MTBE	ND	5.2
trans-1,2-Dichloroethene	ND	5.2
Vinyl Acetate	ND	52
1,1-Dichloroethane	ND	5.2
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.2
2,2-Dichloropropane	ND	5.2
Chloroform	ND	5.2
Bromochloromethane	ND	5.2
1,1,1-Trichloroethane	ND	5.2
1,1-Dichloropropene	ND	5.2
Carbon Tetrachloride	ND	5.2
1,2-Dichloroethane	ND	5.2
Benzene	ND	5.2
Trichloroethene	ND	5.2
1,2-Dichloropropane	ND	5.2
Bromodichloromethane	ND	5.2
Dibromomethane	ND	5.2
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.2
Toluene	ND	5.2
trans-1,3-Dichloropropene	ND	5.2
1,1,2-Trichloroethane	ND	5.2
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.2
Tetrachloroethene	ND	5.2

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Field ID:	B-16-4	Diln Fac:	1.035
Lab ID:	253959-007	Batch#:	208533
Matrix:	Soil	Sampled:	03/01/14
Units:	ug/Kg	Received:	03/03/14
Basis:	as received	Analyzed:	03/04/14

Analyte	Result	RL
Dibromochloromethane	ND	5.2
1,2-Dibromoethane	ND	5.2
Chlorobenzene	ND	5.2
1,1,1,2-Tetrachloroethane	ND	5.2
Ethylbenzene	ND	5.2
m,p-Xylenes	ND	5.2
o-Xylene	ND	5.2
Styrene	ND	5.2
Bromoform	ND	5.2
Isopropylbenzene	ND	5.2
1,1,2,2-Tetrachloroethane	ND	5.2
1,2,3-Trichloropropane	ND	5.2
Propylbenzene	ND	5.2
Bromobenzene	ND	5.2
1,3,5-Trimethylbenzene	ND	5.2
2-Chlorotoluene	ND	5.2
4-Chlorotoluene	ND	5.2
tert-Butylbenzene	ND	5.2
1,2,4-Trimethylbenzene	ND	5.2
sec-Butylbenzene	ND	5.2
para-Isopropyl Toluene	ND	5.2
1,3-Dichlorobenzene	ND	5.2
1,4-Dichlorobenzene	ND	5.2
n-Butylbenzene	ND	5.2
1,2-Dichlorobenzene	ND	5.2
1,2-Dibromo-3-Chloropropane	ND	5.2
1,2,4-Trichlorobenzene	ND	5.2
Hexachlorobutadiene	ND	5.2
Naphthalene	ND	5.2
1,2,3-Trichlorobenzene	ND	5.2

Surrogate	%REC	Limits
Dibromofluoromethane	109	76-128
1,2-Dichloroethane-d4	110	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	103	79-128

ND= Not Detected
 RL= Reporting Limit

Batch QC Report
Purgeable Organics by GC/MS

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	208533
Units:	ug/Kg	Analyzed:	03/04/14
Diln Fac:	1.000		

Type: BS Lab ID: QC729919

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.78	103	68-135
Benzene	25.00	26.36	105	80-127
Trichloroethene	25.00	27.24	109	77-129
Toluene	25.00	26.72	107	79-125
Chlorobenzene	25.00	24.88	100	78-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	76-128
1,2-Dichloroethane-d4	105	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	100	79-128

Type: BSD Lab ID: QC729920

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	23.40	94	68-135	10	35
Benzene	25.00	24.89	100	80-127	6	20
Trichloroethene	25.00	25.33	101	77-129	7	20
Toluene	25.00	25.18	101	79-125	6	23
Chlorobenzene	25.00	23.94	96	78-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	76-128
1,2-Dichloroethane-d4	106	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	101	79-128

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729921	Batch#:	208533
Matrix:	Soil	Analyzed:	03/04/14
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

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 5035
Project#:	390.024.02.002	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC729921	Batch#:	208533
Matrix:	Soil	Analyzed:	03/04/14
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	76-128
1,2-Dichloroethane-d4	104	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	102	79-128

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-14-2	Basis:	as received
Lab ID:	253959-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.1	0.51	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	5.9	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	340	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.29	0.10	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	1.3	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	47	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	10	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	48	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	48	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	0.15	0.016	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	ND	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	50	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.51	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.51	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	42	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	70	1.0	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

ND= Not Detected
 RL= Reporting Limit
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California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-14-4	Basis:	as received
Lab ID:	253959-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.46	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	1.9	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	95	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.16	0.093	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	0.63	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	45	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	6.0	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	17	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	43	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	0.24	0.018	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	0.63	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	36	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.46	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.46	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	31	0.23	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	70	0.93	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-15-2	Basis:	as received
Lab ID:	253959-004	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	3.1	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	120	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.32	0.10	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	1.1	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	20	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	18	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	26	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	13	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	0.031	0.017	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	ND	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	41	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.50	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.50	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	29	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	60	1.0	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

ND= Not Detected
 RL= Reporting Limit
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California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-15-4	Basis:	as received
Lab ID:	253959-005	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.48	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	2.2	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	49	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.11	0.096	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	0.85	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	81	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	20	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	6.4	0.25	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	6.6	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	ND	0.016	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	ND	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	360	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.48	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.48	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	43	0.24	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	28	0.96	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-16-2	Basis:	as received
Lab ID:	253959-006	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.52	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	3.5	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	71	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.16	0.10	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	0.58	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	31	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	6.4	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	13	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	8.1	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	0.036	0.018	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	ND	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	30	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.52	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.52	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	31	0.26	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	28	1.0	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

ND= Not Detected
 RL= Reporting Limit
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California Title 22 Metals

Lab #:	253959	Project#:	390.024.02.002
Client:	PES Environmental, Inc.	Location:	611 Florida & 2813-2815 18th
Field ID:	B-16-4	Basis:	as received
Lab ID:	253959-007	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/01/14
Units:	mg/Kg	Received:	03/03/14

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.54	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Arsenic	3.7	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Barium	160	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Beryllium	0.31	0.11	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cadmium	1.3	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Chromium	92	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Cobalt	26	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Copper	16	0.28	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Lead	13	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Mercury	0.028	0.018	208828	03/11/14	03/11/14	METHOD	EPA 7471A
Molybdenum	ND	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Nickel	440	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Selenium	ND	0.54	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Silver	ND	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Thallium	ND	0.54	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Vanadium	46	0.27	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B
Zinc	34	1.1	208672	03/06/14	03/07/14	EPA 3050B	EPA 6010B

ND= Not Detected
 RL= Reporting Limit
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Batch QC Report

California Title 22 Metals			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.024.02.002	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC730480	Batch#:	208672
Matrix:	Soil	Prepared:	03/06/14
Units:	mg/Kg	Analyzed:	03/07/14

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
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Batch QC Report

California Title 22 Metals

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.024.02.002	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	208672
Units:	mg/Kg	Prepared:	03/06/14
Diln Fac:	1.000	Analyzed:	03/07/14

Type: BS

Lab ID: QC730481

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	100.2	100	80-120
Arsenic	50.00	50.58	101	80-120
Barium	100.0	98.31	98	80-120
Beryllium	2.500	2.431	97	80-120
Cadmium	10.00	10.28	103	80-120
Chromium	100.0	98.16	98	80-120
Cobalt	25.00	24.42	98	80-120
Copper	12.50	11.80	94	80-120
Lead	100.0	97.10	97	80-120
Molybdenum	20.00	19.91	100	80-120
Nickel	25.00	25.20	101	80-120
Selenium	50.00	51.25	103	80-120
Silver	10.00	9.635	96	80-120
Thallium	50.00	49.82	100	80-120
Vanadium	25.00	24.87	99	80-120
Zinc	25.00	25.17	101	80-120

Type: BSD

Lab ID: QC730482

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	94.75	95	80-120	6	20
Arsenic	50.00	47.46	95	80-120	6	20
Barium	100.0	93.47	93	80-120	5	20
Beryllium	2.500	2.284	91	80-120	6	20
Cadmium	10.00	9.716	97	80-120	6	20
Chromium	100.0	92.60	93	80-120	6	20
Cobalt	25.00	23.24	93	80-120	5	20
Copper	12.50	11.46	92	80-120	3	20
Lead	100.0	91.15	91	80-120	6	20
Molybdenum	20.00	18.78	94	80-120	6	20
Nickel	25.00	23.62	94	80-120	6	20
Selenium	50.00	47.64	95	80-120	7	20
Silver	10.00	9.176	92	80-120	5	20
Thallium	50.00	47.06	94	80-120	6	20
Vanadium	25.00	23.49	94	80-120	6	20
Zinc	25.00	23.66	95	80-120	6	20

RPD= Relative Percent Difference

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38.0

Batch QC Report

California Title 22 Metals			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	390.024.02.002	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	208672
MSS Lab ID:	254103-001	Sampled:	03/06/14
Matrix:	Soil	Received:	03/06/14
Units:	mg/Kg	Prepared:	03/06/14
Basis:	as received	Analyzed:	03/07/14
Diln Fac:	1.000		

Type: MS Lab ID: QC730483

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.1458	108.7	33.44	31	9-120
Arsenic	2.695	54.35	46.28	80	72-120
Barium	186.8	108.7	295.1	100	50-133
Beryllium	0.6000	2.717	2.757	79 *	80-120
Cadmium	0.7162	10.87	10.23	87	72-120
Chromium	12.28	108.7	102.2	83	61-120
Cobalt	7.865	27.17	30.61	84	60-120
Copper	10.60	13.59	24.29	101	47-149
Lead	9.271	108.7	100.4	84	52-122
Molybdenum	<0.05151	21.74	16.94	78	68-120
Nickel	26.91	27.17	50.56	87	46-135
Selenium	<0.1342	54.35	42.92	79	70-120
Silver	<0.06858	10.87	8.921	82	67-120
Thallium	<0.1496	54.35	44.21	81	64-120
Vanadium	19.36	27.17	41.93	83	54-137
Zinc	37.81	27.17	61.15	86	39-141

Type: MSD Lab ID: QC730484

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	92.59	41.90	45	9-120	38 *	26
Arsenic	46.30	40.32	81	72-120	1	30
Barium	92.59	285.0	106	50-133	2	43
Beryllium	2.315	2.581	86	80-120	6	20
Cadmium	9.259	8.937	89	72-120	1	22
Chromium	92.59	92.35	86	61-120	4	31
Cobalt	23.15	27.10	83	60-120	0	39
Copper	11.57	22.40	102	47-149	1	32
Lead	92.59	86.87	84	52-122	0	49
Molybdenum	18.52	15.08	81	68-120	4	23
Nickel	23.15	48.34	93	46-135	3	37
Selenium	46.30	37.35	81	70-120	2	26
Silver	9.259	7.892	85	67-120	4	25
Thallium	46.30	37.21	80	64-120	1	20
Vanadium	23.15	42.05	98	54-137	9	31
Zinc	23.15	58.81	91	39-141	3	37

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

California Title 22 Metals

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.024.02.002	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	208828
Lab ID:	QC731113	Prepared:	03/11/14
Matrix:	Soil	Analyzed:	03/11/14
Units:	mg/Kg		

Result	RL
ND	0.017

Batch QC Report

California Title 22 Metals			
Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.024.02.002	Analysis:	EPA 7471A
Analyte:	Mercury	Batch#:	208828
Matrix:	Soil	Prepared:	03/11/14
Units:	mg/Kg	Analyzed:	03/11/14
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC731114	0.2083	0.1898	91	80-120		
BSD	QC731115	0.2083	0.1873	90	80-120	1	20

RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals

Lab #:	253959	Location:	611 Florida & 2813-2815 18th
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	390.024.02.002	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	208828
MSS Lab ID:	254210-001	Sampled:	03/07/14
Matrix:	Soil	Received:	03/07/14
Units:	mg/Kg	Prepared:	03/11/14
Basis:	as received	Analyzed:	03/11/14

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC731116	0.01161	0.2049	0.2115	98	69-136		
MSD	QC731117		0.2155	0.2218	98	69-136	0	35

RPD= Relative Percent Difference

