PES Environmental, Inc.
Engineering & Environmental Services

January 30, 2008

881.060.03.004

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

Transmittal
Fourth Quarter 2007
Groundwater Monitoring Report
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California
SLIC Case RO0002942

Dear Mr. Wickham:

On behalf of SKB-Eastmont Oakland Associates, LLC, attached please find our report documenting the results of the fourth quarter 2007 groundwater monitoring event at the Sparkle Cleaners facility. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

We trust that this is the information that you require at this time. Please contact us with any further questions.

Yours very truly,

PES ENVIRONMENTAL, INC.

William W. Mast, P.G.
Associate Engineer

cc: Ms. Kathleen Schulz - SKB – Eastmont Oakland Associates, LLC

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PES Environmental, Inc.
Engineering & Environmental Services

A Report Prepared for:

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

FOURTH QUARTER 2007 GROUNDWATER MONITORING REPORT SPARKLE CLEANERS EASTMONT TOWN CENTER 7000 BANCROFT AVENUE OAKLAND, CALIFORNIA

JANUARY 29, 2008

By:

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Senior Geologist

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Associate Engineer

881.060.03.004

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring activities conducted during the fourth quarter 2007 monitoring event at the Sparkle Cleaners facility (Site). The Site is located at 7000 Bancroft Avenue, Oakland, California and is situated in the northwest portion of Eastmont Town Center (Plates 1 and 2). Sparkle Cleaners is an active dry-cleaning facility that uses tetrachloroethene (PCE) as a dry-cleaning solvent. This report has been prepared for the Alameda County Environmental Health Department (ACEH) by PES Environmental, Inc. (PES) on behalf of SKB – Eastmont Oakland Associates, LLC (SKBEOA), the property owner.

2.0 BACKGROUND INFORMATION

The groundwater monitoring activities were conducted in accordance with PES' Remedial Action Workplan (RAW) that was approved by ACEH in a letter dated February 27, 2007 (PES, 2007a; ACEH, 2007a). The RAW's scope of work also included removing the source of PCE soil contamination beneath Sparkle Cleaners and installing four groundwater monitoring wells. Excavation activities to remove the source of PCE in soil were successfully completed in July 2007 and documented in the report titled *Post-Remediation Report, Voluntary Soil Remediation, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California* (PES, 2007b) that was previously submitted to ACEH. The groundwater monitoring wells were installed in July 2007 and the baseline groundwater sampling event was conducted in August 2007. The details of the well installations and the results of the baseline sampling event are presented in the *Third Quarter 2007 Groundwater Monitoring Report* (PES, 2007c). In a letter dated October 4, 2007, ACEH provided comments on the Post-Remediation Report and requested additional analytical testing during two quarters of groundwater monitoring.

As described in the RAW, the purpose of the groundwater monitoring is to: (1) document the initial concentrations of volatile organic compounds (VOCs) in the newly installed wells at the Site; (2) monitor groundwater flow directions(s), gradient, and seasonal fluctuations; (3) evaluate the groundwater chemical response to the removal of the source of contamination; and (4) verify that groundwater quality down gradient of Sparkle Cleaners are not declining.

3.0 SITE DESCRIPTION

The Sparkle Cleaners tenant space (Suite 11) covers approximately 1,800 square feet in the northwest portion of Eastmont Town Center (Plate 2). The area in front (north) of Sparkle Cleaners includes storefront parking and a mall driveway. The rear (south) of the tenant space opens into a common hallway that traverses the width of the building from east to west. An alleyway is located approximately 20 feet to the east.

The ground surface elevation at Sparkle Cleaners is approximately 60 feet above mean seal level (MSL). The site topography slopes gently to the southwest. To the east and northeast of the site, the topography steepens and continues to rise to approximately 360 feet MSL (Plate 1).

4.0 GROUNDWATER MONITORING WELL SAMPLING ACTIVITIES

Fourth quarter 2007 groundwater monitoring activities consisted of: (1) collection of depth to groundwater measurements and calculation of groundwater elevations; (2) groundwater sample collection; and (3) laboratory analysis of the samples for halogenated VOCs, total petroleum hydrocarbons quantified as gasoline (TPHg), and TPH quantified as diesel (TPHd). Field activities were conducted by Blaine Tech Services (BTS) of San Jose, California on November 19, 2007. Construction details for the four monitoring wells are provided in Table 1.

4.1 Depth to Groundwater Measurements

Depth-to-groundwater measurements were obtained for the monitoring wells using an electronic water-level indicator and recorded to the nearest 0.01-foot. The portion of the water-level indicator that was submerged in the wells was cleaned with a solution of Alconox and deionized (DI) water, and then rinsed with DI water between well measurements. Decontamination fluids were stored temporarily on site in a DOT-approved 55-gallon drum pending offsite disposal. Depth-to-groundwater data were converted to groundwater elevations referenced to mean sea level and are presented in Table 2. Groundwater elevation contours are presented on Plate 2.

4.2 Monitoring Well Sampling

After collecting water-level data, BTS sampled the four monitoring wells. Three casing volumes of groundwater were purged from each well prior to collecting the samples. The wells were purged using a bailer that was decontaminated prior to each use. All samples were collected using disposable bailers and decanted into laboratory provided sample containers. Groundwater temperature, pH, conductivity, and turbidity were monitored during purging. The BTS monitoring well sampling forms are presented in Appendix A.

The samples were transported to TestAmerica Laboratories, Inc. (TestAmerica) under chain-of-custody protocol and analyzed for:

- Halogenated VOCs (8010 list), fuel oxygenates, and naphthalene by U.S. Environmental Protection Agency (EPA) Test Method 8260B;
- TPHg by U.S. EPA Test Method 8260B; and
- TPHd by U.S. EPA Test Method 8015B.

5.0 GROUNDWATER MONITORING RESULTS

5.1 Groundwater Elevation Measurements

Groundwater elevations measured on November 19, 2007 ranged from 24.66 feet MSL in well MW-01 to 34.24 feet MSL in well MW-02 (see Table 2 and Plate 2). As indicated on Plate 2, the elevation data from well MW-02 is not used for contouring because the groundwater elevation in this well is significantly higher than the elevations in the other wells. As described in the previous monitoring report, the cause of the higher water-level elevation at Well MW-02 appears to be from a screen interval that is at least 9 feet shallower (i.e., relative to the ground surface) than the other three wells. Well MW-2 was constructed in this manner because groundwater was detected at a shallower depth while drilling the borehole for this well.

Based on the groundwater elevation data from wells MW-01, MW-03, and MW-04, the hydraulic gradient during the fourth quarter 2007 monitoring event was approximately 0.008 foot per foot to the northwest (see Plate 2). In addition, the analytical results discussed below suggest a westerly to northwesterly direction for groundwater flow.

5.2 Groundwater Sample Analytical Results

The analytical results for the groundwater samples collected on November 19, 2007 are summarized below and presented in Table 3. The laboratory analytical report and chain-of-custody documentation are provided in Appendix B.

5.2.1 Volatile Organic Compounds

PCE was detected in three of the four monitoring wells at concentrations ranging from 2.1 μg/L in well MW-03 to 110 μg/L in well MW-01 (PCE was detected at 100 μg/L in the duplicate sample from well MW-01). TCE was detected at concentrations of 5.2 μg/L in well MW-01 and 0.93 μg/L in well MW-02. No other VOCs were detected at concentrations exceeding the respective laboratory reporting limits in the samples from wells MW-01 through MW-03, and no VOCs were detected at concentrations exceeding the respective laboratory reporting limits in well MW-04 (Table 3).

The distribution of PCE and TCE in groundwater is consistent with the observed westerly to northwesterly groundwater flow direction, and with the concentrations and distribution of these chemicals observed during the fall 2006 investigations and the third quarter 2007 groundwater monitoring event.

5.2.2 Petroleum Hydrocarbons

TPHg was detected in well MW-01 at a concentration of 110 µg/L (TPHg was also detected at 110 µg/L in the duplicate sample from well MW-01). However, the laboratory qualified these TPHg results and indicated that the reported TPHg concentration "is due to the presence of PCE."

TPHd was detected in each of the four monitoring wells at concentrations ranging from 52 µg/L in well MW-01 (TPHd was detected at 79 µg/L in the duplicate sample from well MW-01) to 120 µg/L in well MW-02 (Table 3).

BTEX compounds, fuel oxygenates, and naphthalene were not detected in the water samples.

5.3 Quality Assurance/Quality Control Assessment of Chemical Data

The quality of the chemical data reported by TestAmerica was assessed from the results of internal laboratory spike and method blank. The data are within acceptable recovery limits. The results for the duplicate sample collected at MW-01 indicate good reproducibility with PCE, TCE, TPHg, and TPHd detected in both the regular and duplicate sample. The relative percent differences for the PCE, TCE, TPHg, and TPHd concentrations detected in this sample are 4.8, 2.0, 0 and 20.6 percent, respectively. The water samples were analyzed within acceptable EPA holding times. The data from TestAmerica are considered to be representative and of good quality.

6.0 SUMMARY

The fourth quarter 2007 groundwater monitoring event has been conducted in accordance with the RAW.

Based on the groundwater elevation data from wells MW-01, MW-03, and MW-04, groundwater flow at the Site during the fourth quarter 2007 sampling event is northwesterly (see Plate 2). The only VOC constituents detected above laboratory reporting limits in groundwater during this monitoring event were PCE and TCE. The maximum concentrations of PCE and TCE were detected in well MW-01 at 110 µg/L and 5.2 µg/L, respectively. These concentrations are generally consistent with those observed during third quarter 2007 monitoring.

TPHd was detected above laboratory reporting limits in groundwater during this monitoring event in each well. TPHd concentrations range from 52 µg/L in well MW-01 to 120 µg/L in well MW-02.

TPHg was detected in well MW-01 at a concentration of 110 µg/L, but the laboratory stated that the reported TPHg concentration "is due to the presence of PCE."

Monitoring of the four wells will continue for another two quarters to assess whether concentrations of VOCs in groundwater decrease as a result of the recently completed remedial activities at the Site. The first quarter 2008 groundwater monitoring event will be conducted in early February 2008.

7.0 REFERENCES

Alameda County Environmental Health (ACEH), 1995. *Remedial Action Completion Certification, J.C. Penney Store, 1 Eastmont Mall, Oakland, CA*. February 10.

ACEH, 1998. *Remedial Action Completion Certification, 1 Eastmont Mall, Oakland, CA (1-500 gallon waste oil tank removed in October 23, 1995)*. April 16.

ACEH, 2007a. *SLIC Case RO0002942 and Geotracker Global ID SLT19735483, Sparkle Cleaners, 7000 Bancroft Avenue, Oakland, CA 94605 – Work Plan Approval*. February 27.

ACEH, 2007b. *SLIC Case RO0002942 and Geotracker Global ID SLT19735483, Sparkle Cleaners, 7000 Bancroft Avenue, Oakland, CA 94605 – Post-Remediation Report Review*. . October 4.

PES Environmental, Inc. (PES), 2007a. *Remedial Action Workplan, Voluntary Soil Remediation, Sparkle Cleaner, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. January 5.

PES, 2007b. *Post-Remediation Report, Voluntary Soil Remediation, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. September 9.

PES, 2007c. *Third Quarter 2007 Groundwater Monitoring Report, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. October 8.

TABLES

Table 1
Groundwater Monitoring Well Construction Details
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Well ID	Date Completed	Top of Casing Elevation (feet MSL)	Borehole Diameter (inches)	Borehole Depth (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Sand Filter Interval (feet bgs)	Screen Slot Size (inches)
MW-01	7/23/2007	49.51	8	47	47	2	31.5 to 46.5	29.5 to 47	0.020
MW-02	7/24/2007	49.07	8	36.5	35	2	19.5 to 34.5	17.5 to 36.5	0.020
MW-03	7/24/2007	50.43	8	44	44	2	28.5 to 43.5	26.5 to 44	0.020
MW-04	7/23/2007	49.81	8	48.5	48.5	2	33 to 48	31 to 48.5	0.020

Note:

bgs - Below ground surface
MSL - Mean sea level

Table 2
Groundwater Elevation Data
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Well ID	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-01	8/7/2007	49.51	23.62	25.89
MW-01	11/19/2007	49.51	24.85	24.66
MW-02	8/7/2007	49.07	14.30	34.77
MW-02	11/19/2007	49.07	14.83	34.24
MW-03	8/7/2007	50.43	17.82	32.61
MW-03	11/19/2007	50.43	24.70	25.73
MW-04	8/7/2007	49.81	22.43	27.38
MW-04	11/19/2007	49.81	23.81	26.00

Note:
MSL - Mean sea level
BTOC - Below top of casing

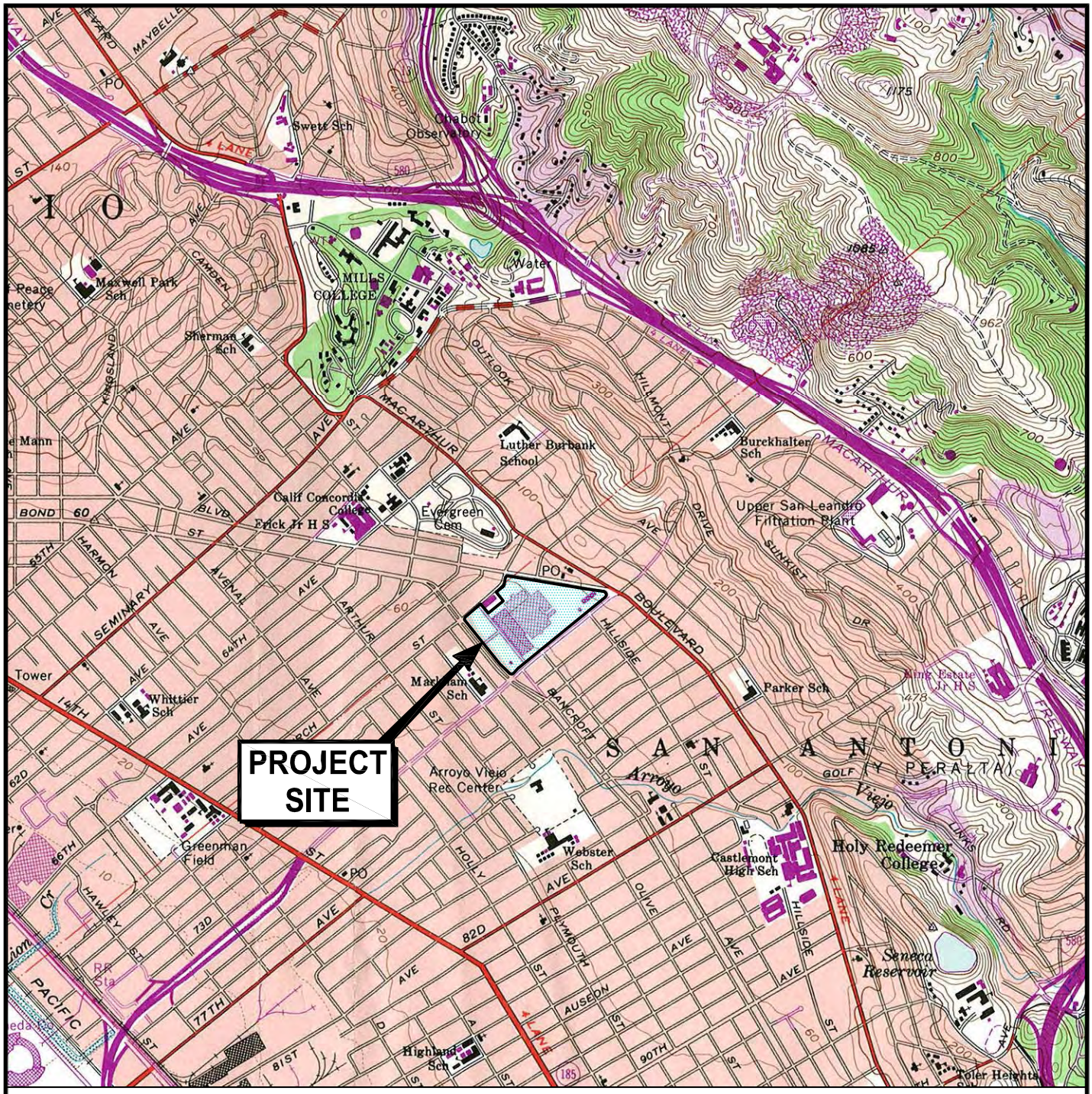
Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Sample Location	Sample Date	Petroleum Hydrocarbons		Volatile Organic Compounds								
		TPHg (µg/L)	TPHd (µg/L)	PCE (µg/L)	TCE (µg/L)	Naphthalene (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	Other VOCs (µg/L)
MW-01	8/7/2007	NA	NA	**60**	**3.1**	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	8/7/2007	NA	NA	**71**	**3.1**	NA	NA	NA	NA	NA	NA	ND
MW-01	11/19/2007	**110** (1)	**52**	**110**	**5.2**	ND (2.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	11/19/2007	**110** (1)	**79**	**100**	**5.0**	ND (2.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-02	8/7/2007	NA	NA	**25**	**1.2**	NA	NA	NA	NA	NA	NA	ND
MW-02	11/19/2007	ND (50)	**120**	**26**	**0.93**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-03	8/7/2007	NA	NA	**1.6**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	11/19/2007	ND (50)	**79**	**2.1**	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-04	8/7/2007	NA	NA	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	11/19/2007	ND (50)	**69**	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND

Notes:

TPHg - Gasoline range organics (C5-C12)
TPHd - Diesel range organics (C10-C28)
PCE - Tetrachloroethene
TCE - Trichloroethene
MTBE - Methyl tert-butyl ether
TAME - Tert-amyl methyl ether
TBA - Tert-butyl alcohol
DIPE - Diisopropyl ether
ETBE - Ethyl tert-butyl ether
µg/L - Micrograms per liter
NA - Not Analyzed
ND (0.5) - Not detected at or above indicated laboratory reporting limit
ND - Not detected at or above the laboratory reporting limit (varies by analyte)
(D) - Field duplicate sample
(1) - The analytical laboratory narrative states that the reported gasoline range organics concentration is due to the presence of PCE.

ILLUSTRATIONS



U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle. Map version 1959; current as of 1980.

PES Environmental, Inc.
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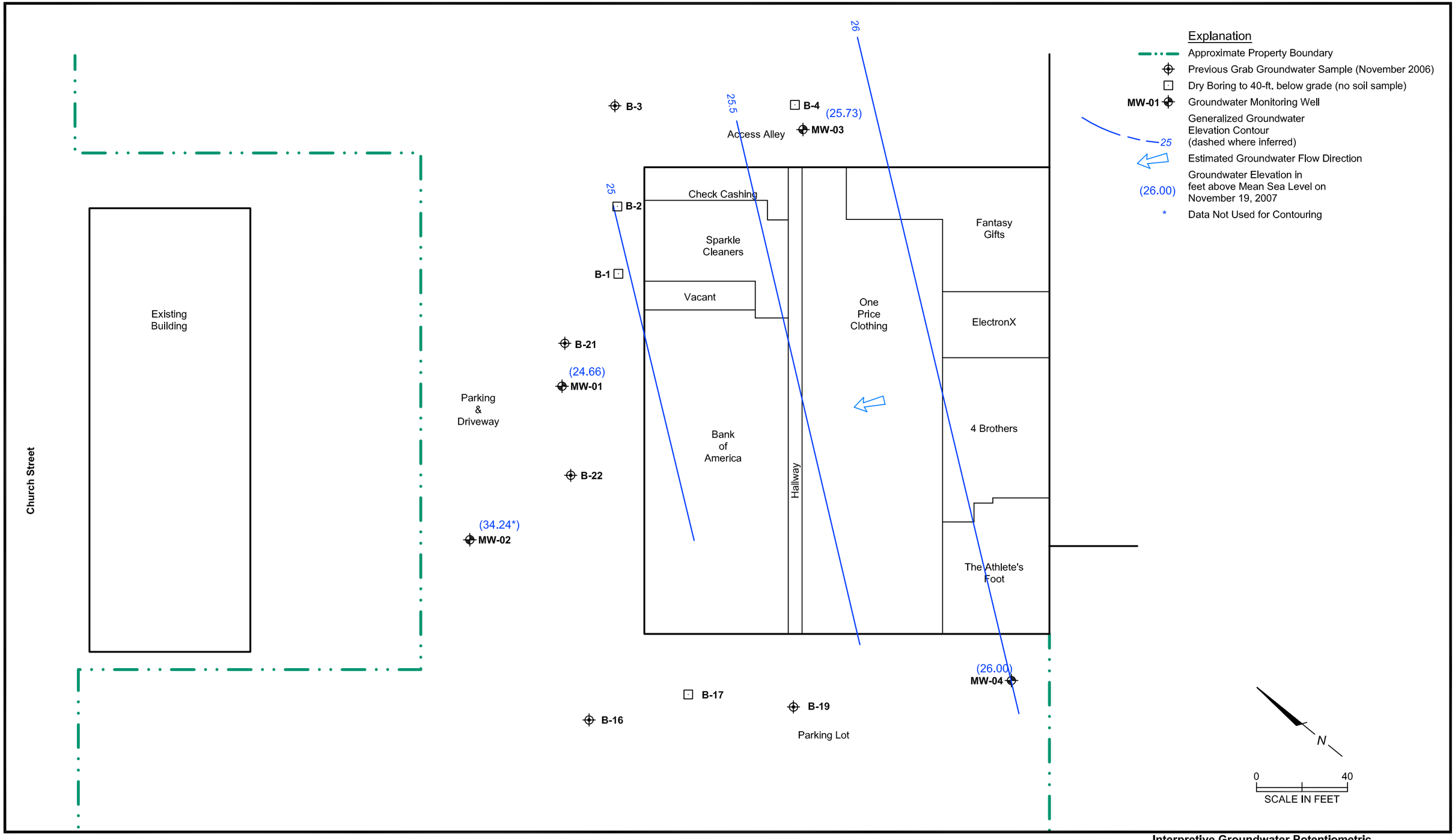
Site Location Map
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
1

881.060.03.004	881-06003-004_Q4-07_1	WWM	1/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Interpretive Groundwater Potentiometric Surface Map - November 19, 2007
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
2

881.060.03.004	881-06003-004_Q4-07_2	WWM	1/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

MONITORING WELL SAMPLING FORMS

WELLHEAD INSPECTION CHECKLIST

Date 11.19.07 Client PES

Site Address 7200 BANCROFT AVE OAKLAND

Job Number 071119-KR1 Technician KR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-4	X							
MW-2				X	cement around PVC damaged			
MW-1	X							
MW-3	X	a lot of			pressure in well			

NOTES:

WELL GAUGING DATA

Project # 071119-KR1 Date 11.19.07 Client PES

Site 7200 BANCROFT AVE, OAKLAND

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-4	830	2					23.81	48.40	TOC	
MW-2	1000	↓					14.83	34.73	↓	
MW-1	1008	↓					24.85	46.96	↓	
MW-3	1100	↓					24.70	44.00	↓	

WELL MONITORING DATA SHEET

Project #: 071119-KR1	Client: PES
Sampler: KR	Date: 11.19.07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 46.96	Depth to Water (DTW): 24.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: (X) Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (X) Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3.5 (Gals.) X	3	=	10.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1018	19.7	7.02	926	71000	3.5	brown
1025	19.2	7.10	947	↓	7.0	↓
1029	19.4	7.10	956	↓	10.5	↓

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 11.19.07 Sampling Time: 1030 Depth to Water: 25.93

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other TA ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): DUP

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 071119-KK1	Client: PES
Sampler: KK	Date: 11.19.07
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.73	Depth to Water (DTW): 14.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3.2 (Gals.) X 3 = 9.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1155	20.2	6.88	1234	661	3.2	Grey
1201	19.4	6.92	1233	>1000	6.4	"
1208	19.4	6.91	1231	>1000	9.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Date: 11.19.07 Sampling Time: 1210 Depth to Water: 14.52

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other TA SF

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

V. .L MONITORING DATA SHL

Project #: 071119-KR1	Client: PES
Sampler: KL	Date: 11.19.07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 44.00	Depth to Water (DTW): 24.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3 (Gals.) X	3	=	9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1112	18.9	7.20	567.8	71000	3	brown
1119	19.1	7.25	570.6	↓	6	↓
1126	18.8	7.23	594.3	↓	9	↓

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Date: 11.19.07 Sampling Time: 1130 Depth to Water: 30.40

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other TA ST

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 071119-KR1	Client: PES
Sampler: KR	Date: 11.19.07
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 43.40	Depth to Water (DTW): 23.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3.9 (Gals.) X 3 = 11.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
850	20.3	7.57	600.5	>1000	3.9	brown
901	20.1	7.53	672.1	↓	7.8	↓
915	20.0	7.55	696.7	↓	11.7	↓

Did well dewater? Yes (No) Gallons actually evacuated: 11.7

Sampling Date: 11.19.07 Sampling Time: 921 Depth to Water: 24.34

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other TA SF

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): ~~DUP~~ FR

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Easmont Town Center				PROJECT NUMBER 071119-KR1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	°C TEMP.	INITIALS
Ultrameter II 6P	6208730	11/19/07	pH 4.0 7.0 10.0	4.05 6.93 10.00	Y	19.7 (F)	KR
			Conductivity 3000 µS	3041			KR
HACH Turbidimeter	4860000	11/19/07	<.1 100 800	<.1 102 815	↓	19.4	KR

SPH or Purge Water Drum Log

Client: PES

Site Address: 7200 Bancroft Ave Oakland

STATUS OF DRUM(S) UPON ARRIVAL						
Date	8-1-07	8/7/07	11/19/07			
Number of drum(s) empty:	3	1	2			
Number of drum(s) 1/4 full:	1					
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:		1				
Number of drum(s) full:	2	B4	5			
Total drum(s) on site:	6	6	7			
Are the drum(s) properly labeled?		Y	Y			
Drum ID & Contents:		Purge water Soil cuttings	Purge H_2O			
If any drum(s) are partially or totally filled, what is the first use date:	—	—	—			

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	8-1-07	8/7/07	11/19/07			
Number of drums empty:	1	2	2			
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:		1				
Number of drum(s) full:	5	4	6			
Total drum(s) on site:	6	7	8			
Are the drum(s) properly labeled?	Y	Y	Y			
Drum ID & Contents:	Soil/purge water		Purge water			

LOCATION OF DRUM(S)	
Describe location of drum(s):	In Storage area next to cleaners / Rm # 15

FINAL STATUS						
Number of new drum(s) left on site this event	0	1	1			
Date of inspection:	8-1-07	8/7/07	11/19/07			
Drum(s) labelled properly:	Y	Y	Y			
Logged by BTS Field Tech:	DW	PE	Y			
Office reviewed by:	N	N				

APPENDIX B

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-11871-1

Job Description: Eastmont Town Center

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
01/14/2008
Revision: 1

cc: Mr. Miguel Rizo

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Job Narrative
720-J11871-1

Comments
No additional comments.

Receipt
Insufficient sample volume was provided for the following sample(s) for the TB. Received only 1-40ml amber w/Hcl. logged for 8260 only.

No sample time provided for DUP sample

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for 720-11871-5 is due to the presence of PCE.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for 720-11871-1 is due to the presence of PCE.

Method(s) 8260B: Surrogate recovery for the following sample (trip Blank) is below the control limit due to archon error stopped. Only one vial.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-11871-1	**MW-1**				
Gasoline Range Organics (GRO)-C5-C12		110	50	ug/L	8260B
Trichloroethene		5.2	1.0	ug/L	8260B
Tetrachloroethene		110	1.0	ug/L	8260B
Diesel Range Organics [C10-C28]		52	50	ug/L	8015B
720-11871-2	**MW-2**				
Trichloroethene		0.93	0.50	ug/L	8260B
Tetrachloroethene		26	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		120	50	ug/L	8015B
720-11871-3	**MW-3**				
Tetrachloroethene		2.1	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		79	50	ug/L	8015B
720-11871-4	**MW-4**				
Diesel Range Organics [C10-C28]		69	50	ug/L	8015B
720-11871-5	**DUP**				
Gasoline Range Organics (GRO)-C5-C12		110	50	ug/L	8260B
Trichloroethene		5.0	1.0	ug/L	8260B
Tetrachloroethene		100	1.0	ug/L	8260B
Diesel Range Organics [C10-C28]		79	50	ug/L	8015B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-11871-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-11871-1

Method	Analyst	Analyst ID
SW846 8260B	Ali, Badri	BA
SW846 8260B	Le, Lien	LL
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-11871-1	MW-1	Water	11/19/2007 1030	11/20/2007 1520
720-11871-2	MW-2	Water	11/19/2007 1210	11/20/2007 1520
720-11871-3	MW-3	Water	11/19/2007 1130	11/20/2007 1520
720-11871-4	MW-4	Water	11/19/2007 0921	11/20/2007 1520
720-11871-5	DUP	Water	11/19/2007 0000	11/20/2007 1520
720-11871-6TB	TB	Water	11/19/2007 0000	11/20/2007 1520

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-1

Lab Sample ID: 720-11871-1 Date Sampled: 11/19/2007 1030
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29132 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 2.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/01/2007 1243 Final Weight/Volume: 40 mL
Date Prepared: 12/01/2007 1243

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
Vinyl chloride	ND		1.0
Chloroethane	ND		2.0
Trichlorofluoromethane	ND		2.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
Chloroform	ND		2.0
1,1,1-Trichloroethane	ND		1.0
Carbon tetrachloride	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	5.2		1.0
1,2-Dichloropropane	ND		1.0
Dichlorobromomethane	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	110		1.0
Chlorodibromomethane	ND		1.0
Chlorobenzene	ND		1.0
Bromoform	ND		2.0
1,1,2,2-Tetrachloroethane	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
Chloromethane	ND		2.0
Bromomethane	ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
EDB	ND		1.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	104	73 - 117
4-Bromofluorobenzene	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-1

Lab Sample ID: 720-11871-1
Client Matrix: Water

Date Sampled: 11/19/2007 1030
Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/21/2007 1647
Date Prepared: 11/21/2007 1647

Analysis Batch: 720-28915

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	110		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	108	77 - 121
1,2-Dichloroethane-d4 (Surr)	97	73 - 130

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-2

Lab Sample ID: 720-11871-2 Date Sampled: 11/19/2007 1210
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29115 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/30/2007 1730 Final Weight/Volume: 40 mL
Date Prepared: 11/30/2007 1730

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	0.93		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	26		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	110	73 - 117
4-Bromofluorobenzene	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	94	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-2

Lab Sample ID: 720-11871-2 Date Sampled: 11/19/2007 1210
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28915 Instrument ID: Saturn 3900B
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/21/2007 1714 Final Weight/Volume: 40 mL
Date Prepared: 11/21/2007 1714

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	77 - 121
1,2-Dichloroethane-d4 (Surr)	111	73 - 130

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-3

Lab Sample ID: 720-11871-3 Date Sampled: 11/19/2007 1130
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29115 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/30/2007 1803 Final Weight/Volume: 40 mL
Date Prepared: 11/30/2007 1803

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	2.1		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	73 - 117
4-Bromofluorobenzene	103	71 - 139
1,2-Dichloroethane-d4 (Surr)	96	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-3

Lab Sample ID: 720-11871-3
Client Matrix: Water

Date Sampled: 11/19/2007 1130
Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/21/2007 1741
Date Prepared: 11/21/2007 1741

Analysis Batch: 720-28915

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	106	77 - 121
1,2-Dichloroethane-d4 (Surr)	117	73 - 130

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-4

Lab Sample ID: 720-11871-4 Date Sampled: 11/19/2007 0921
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29115 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/30/2007 1836 Final Weight/Volume: 40 mL
Date Prepared: 11/30/2007 1836

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	108	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-4

Lab Sample ID: 720-11871-4
Client Matrix: Water

Date Sampled: 11/19/2007 0921
Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/21/2007 1808
Date Prepared: 11/21/2007 1808

Analysis Batch: 720-28915

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	77 - 121
1,2-Dichloroethane-d4 (Surr)	110	73 - 130

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: DUP

Lab Sample ID: 720-11871-5 Date Sampled: 11/19/2007 0000
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-29132 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200712\12
Dilution: 2.0 Initial Weight/Volume: 40 mL
Date Analyzed: 12/01/2007 1457 Final Weight/Volume: 40 mL
Date Prepared: 12/01/2007 1457

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
Vinyl chloride	ND		1.0
Chloroethane	ND		2.0
Trichlorofluoromethane	ND		2.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
Chloroform	ND		2.0
1,1,1-Trichloroethane	ND		1.0
Carbon tetrachloride	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	5.0		1.0
1,2-Dichloropropane	ND		1.0
Dichlorobromomethane	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	100		1.0
Chlorodibromomethane	ND		1.0
Chlorobenzene	ND		1.0
Bromoform	ND		2.0
1,1,2,2-Tetrachloroethane	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
Chloromethane	ND		2.0
Bromomethane	ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
EDB	ND		1.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	103	73 - 117
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: DUP

Lab Sample ID: 720-11871-5 Date Sampled: 11/19/2007 0000
Client Matrix: Water Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-28915 Instrument ID: Saturn 3900B
Preparation: 5030B Lab File ID: c:\saturnws\data\200711\11
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 11/21/2007 1834 Final Weight/Volume: 40 mL
Date Prepared: 11/21/2007 1834

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	110		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	105	77 - 121
1,2-Dichloroethane-d4 (Surr)	110	73 - 130

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: TB

Lab Sample ID: 720-11871-6TB
Client Matrix: Water

Date Sampled: 11/19/2007 0000
Date Received: 11/20/2007 1520

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/30/2007 1445
Date Prepared: 11/30/2007 1445

Analysis Batch: 720-29115

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	105		73 - 117
4-Bromofluorobenzene	110		71 - 139
1,2-Dichloroethane-d4 (Surr)	59	X	62 - 118

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-1

Lab Sample ID: 720-11871-1
Client Matrix: Water

Date Sampled: 11/19/2007 1030
Date Received: 11/20/2007 1520

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/21/2007 1911
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	52		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	73	50 - 150

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-2

Lab Sample ID: 720-11871-2
Client Matrix: Water

Date Sampled: 11/19/2007 1210
Date Received: 11/20/2007 1520

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/21/2007 1938
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	120		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	71	50 - 150

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-3

Lab Sample ID: 720-11871-3
Client Matrix: Water

Date Sampled: 11/19/2007 1130
Date Received: 11/20/2007 1520

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/21/2007 2005
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	79		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	76	50 - 150

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: MW-4

Lab Sample ID: 720-11871-4
Client Matrix: Water

Date Sampled: 11/19/2007 0921
Date Received: 11/20/2007 1520

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/21/2007 2032
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	69		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	74	50 - 150

Client: PES Environmental, Inc. Job Number: 720-11871-1

Client Sample ID: DUP

Lab Sample ID: 720-11871-5
Client Matrix: Water

Date Sampled: 11/19/2007 0000
Date Received: 11/20/2007 1520

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 11/21/2007 2059
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	79		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	68	50 - 150

DATA REPORTING QUALIFIERS

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Section	Qualifier	Description
GC/MS VOA		
	X	Surrogate exceeds the control limits

Client: PES Environmental, Inc. Job Number: 720-11871-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-28915					
LCS 720-28915/10	Lab Control Spike	T	Water	8260B	
LCSD 720-28915/7	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-28915/11	Method Blank	T	Water	8260B	
720-11871-1	MW-1	T	Water	8260B	
720-11871-2	MW-2	T	Water	8260B	
720-11871-3	MW-3	T	Water	8260B	
720-11871-4	MW-4	T	Water	8260B	
720-11871-5	DUP	T	Water	8260B	
Analysis Batch:720-29115					
LCS 720-29115/2	Lab Control Spike	T	Water	8260B	
LCSD 720-29115/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-29115/3	Method Blank	T	Water	8260B	
720-11871-C-1 MS	Matrix Spike	T	Water	8260B	
720-11871-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-11871-2	MW-2	T	Water	8260B	
720-11871-3	MW-3	T	Water	8260B	
720-11871-4	MW-4	T	Water	8260B	
720-11871-6TB	TB	T	Water	8260B	
Analysis Batch:720-29132					
LCS 720-29132/2	Lab Control Spike	T	Water	8260B	
LCSD 720-29132/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-29132/3	Method Blank	T	Water	8260B	
720-11871-1	MW-1	T	Water	8260B	
720-11871-5	DUP	T	Water	8260B	
720-11884-B-12 MS	Matrix Spike	T	Water	8260B	
720-11884-C-12 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-11871-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-28822					
LCS 720-28822/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-28822/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-28822/1-A	Method Blank	T	Water	3510C	
720-11871-1	MW-1	T	Water	3510C	
720-11871-2	MW-2	T	Water	3510C	
720-11871-3	MW-3	T	Water	3510C	
720-11871-4	MW-4	T	Water	3510C	
720-11871-5	DUP	T	Water	3510C	
Analysis Batch:720-29039					
LCS 720-28822/2-A	Lab Control Spike	T	Water	8015B	720-28822
LCSD 720-28822/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-28822
MB 720-28822/1-A	Method Blank	T	Water	8015B	720-28822
720-11871-1	MW-1	T	Water	8015B	720-28822
720-11871-2	MW-2	T	Water	8015B	720-28822
720-11871-3	MW-3	T	Water	8015B	720-28822
720-11871-4	MW-4	T	Water	8015B	720-28822
720-11871-5	DUP	T	Water	8015B	720-28822

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-11871-1

Method Blank - Batch: 720-28915

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-28915/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/21/2007 1357
Date Prepared: 11/21/2007 1357

Analysis Batch: 720-28915
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	102	77 - 121
1,2-Dichloroethane-d4 (Surr)	113	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28915

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-28915/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/21/2007 1227
Date Prepared: 11/21/2007 1227

Analysis Batch: 720-28915
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\1
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-28915/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/21/2007 1253
Date Prepared: 11/21/2007 1253

Analysis Batch: 720-28915
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200711\112
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	107	100	69 - 129	6	20		
MTBE	99	94	65 - 165	5	20		
Toluene	111	102	70 - 130	8	20		
Gasoline Range Organics (GRO)-C5-C12	69	62	50 - 99	10	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	108	106	77 - 121
1,2-Dichloroethane-d4 (Surr)	121	105	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Method Blank - Batch: 720-29115

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-29115/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1114
Date Prepared: 11/30/2007 1114

Analysis Batch: 720-29115
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\11
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	62 - 118

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-29115

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-29115/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1008
Date Prepared: 11/30/2007 1008

Analysis Batch: 720-29115
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\1
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-29115/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2007 1041
Date Prepared: 11/30/2007 1041

Analysis Batch: 720-29115
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200711\113
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	90	90	65 - 125	0	20		
Trichloroethene	82	81	74 - 134	1	20		
Chlorobenzene	103	96	61 - 121	7	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	88	82 - 126
4-Bromofluorobenzene	97	91	83 - 127
1,2-Dichloroethane-d4 (Surr)	88	87	86 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-29115

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-11871-C-1 MS	Analysis Batch: 720-29115	Instrument ID: Varian 3900D
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200711\
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/30/2007 1624		Final Weight/Volume: 40 mL
Date Prepared:	11/30/2007 1624		

MSD Lab Sample ID:	720-11871-D-1 MSD	Analysis Batch: 720-29115	Instrument ID: Varian 3900D
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200711\1
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	11/30/2007 1657		Final Weight/Volume: 40 mL
Date Prepared:	11/30/2007 1657		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	94	99	65 - 125	5	20		
Trichloroethene	90	89	74 - 134	1	20		
Chlorobenzene	109	109	61 - 121	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	110	105	82 - 126
4-Bromofluorobenzene	112	110	83 - 127
1,2-Dichloroethane-d4 (Surr)	95	95	86 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Method Blank - Batch: 720-29132

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-29132/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2007 1156
Date Prepared: 12/01/2007 1156

Analysis Batch: 720-29132
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\12
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
Vinyl chloride	ND		0.50
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		1.0
Methylene Chloride	ND		5.0
trans-1,2-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		0.50
Carbon tetrachloride	ND		0.50
1,2-Dichloroethane	ND		0.50
Trichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
Dichlorobromomethane	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Chlorodibromomethane	ND		0.50
Chlorobenzene	ND		0.50
Bromoform	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,2-Dichlorobenzene	ND		0.50
Chloromethane	ND		1.0
Bromomethane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
EDB	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
Naphthalene	ND		1.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	104	73 - 117
4-Bromofluorobenzene	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	62 - 118

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-29132

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-29132/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2007 1049
Date Prepared: 12/01/2007 1049

Analysis Batch: 720-29132
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\1
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-29132/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/01/2007 1122
Date Prepared: 12/01/2007 1122

Analysis Batch: 720-29132
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200712\12
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	88	83	65 - 125	6	20		
Trichloroethene	82	77	74 - 134	7	20		
Chlorobenzene	96	93	61 - 121	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	103	91	82 - 126
4-Bromofluorobenzene	108	100	83 - 127
1,2-Dichloroethane-d4 (Surr)	101	93	86 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-29132

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-11884-B-12 MS	Analysis Batch: 720-29132	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200712\
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/01/2007 1350		Final Weight/Volume: 40 mL
Date Prepared:	12/01/2007 1350		

MSD Lab Sample ID:	720-11884-C-12 MSD	Analysis Batch: 720-29132	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200712\12
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	12/01/2007 1424		Final Weight/Volume: 40 mL
Date Prepared:	12/01/2007 1424		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	81	81	65 - 125	0	20		
Trichloroethene	77	84	74 - 134	5	20		
Chlorobenzene	96	95	61 - 121	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	105	82 - 126
4-Bromofluorobenzene	107	107	83 - 127
1,2-Dichloroethane-d4 (Surr)	100	102	86 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-11871-1

Method Blank - Batch: 720-28822

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-28822/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2007 1612
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	82	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-28822

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-28822/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/21/2007 1751
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-28822/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/21/2007 1817
Date Prepared: 11/21/2007 0752

Analysis Batch: 720-29039
Prep Batch: 720-28822
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	57	57	50 - 130	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	65	63	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

BLAINE
TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

BTS #

CLIENT: PES

SITE: Eastmont Town Center
7200 Bancroft Ave.
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: TA - San Francisco

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

108272

SPECIAL INSTRUCTIONS

Invoice and Report to : PES
Attn: Gary Thomas

720-11871

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	VOCs including Fuel Oxys (EPA 8260)	TPH-G (8015)	TPH-D (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	11-14-07	1030	W	7		X	X	X				
MW-2		1210				X	X	X				
MW-3		1130				X	X	X				
MW-4		921				X	X	X				
DUP		~~1035~~				X	X	X				
TB	11/14/07		W	1		X	X	X				

SAMPLING COMPLETED	DATE	TIME
	11/19/07	1300

SAMPLING PERFORMED BY: Kenneth Rogalski

RESULTS NEEDED NO LATER THAN: STANDARD TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	11/19/07	1300		11/19/07	1538
	11/20/07	1200		11/20/07	1200
	11/20/07	1520		11/20/07	1520

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
			2.6°C

01/14/2008

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Login Sample Receipt Check List

Client: PES Environmental, Inc.

Job Number: 720-11871-1

Login Number: 11871
List Source: TestAmerica San Francisco
Creator: Bullock, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	TB 1-amber 40ml Hcl
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

DISTRIBUTION

FOURTH QUARTER 2007
GROUNDWATER MONITORING REPORT
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7000 BANCROFT AVENUE
OAKLAND, CALIFORNIA

JANUARY 29, 2008

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