PES Environmental, Inc.
Engineering & Environmental Services

April 25, 2008

881.060.03.004

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

Attention: Mr. Jerry Wickham

Transmittal
First Quarter 2008
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 first quarter 2008 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

FIRST QUARTER 2008 GROUNDWATER MONITORING REPORT SPARKLE CLEANERS EASTMONT TOWN CENTER 7000 BANCROFT AVENUE OAKLAND, CALIFORNIA

APRIL 25, 2008

By:

Gary Thomas, P.G.
Senior Geologist

William W. Mast, P.G.
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 first quarter 2008 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 (ACEH, 2007b).

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

First quarter 2008 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, naphthalene, methyl-tert-butyl ether (MTBE), gasoline oxygenates, 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 February 6, 2008. 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 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 new disposable bailer for each well. Samples were collected using a disposable bailer 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), MTBE, 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 February 6, 2008 ranged from 26.58 feet MSL in well MW-01 to 34.96 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 reports, 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 first quarter 2008 monitoring event was approximately 0.007 foot per foot to the west (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 February 6, 2008 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 2.0 μg/L in well MW-03 to 130 μg/L in well MW-01 (PCE was also detected at 130 μg/L in the duplicate sample from well MW-01). TCE was detected at concentrations of 5.8 and 0.90 μg/L in wells MW-01 and MW-02, and cis-1,2-dichloroethene (DCE) was detected at a concentration of 0.58 μg/L in well MW-01. No other VOCs were detected at concentrations exceeding laboratory reporting limits in the samples from wells MW-01 through MW-03, and no VOCs were detected in well MW-04 (Table 3).

The distribution of PCE and TCE in groundwater is consistent with the observed westerly groundwater flow direction, and with prior monitoring data.

5.2.2 Petroleum Hydrocarbons

TPHg was detected in well MW-01 at a concentration of 140 μg/L (TPHg was also detected at 140 μg/L in the duplicate sample from well MW-01). However, the laboratory qualified these data and indicated that the reported TPHg concentration is due to presence of PCE.

TPHd was detected in three of the four monitoring wells at concentrations ranging from 57 µg/L in well MW-01 (65 µg/L in the duplicate sample from this well) to 200 µg/L in well MW-02 (Table 3). The TPHd data were consistent with concentrations observed during fourth quarter 2007 monitoring.

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 0, 0.87, 0, and 6.6 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 first quarter 2008 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 first quarter 2008 sampling event is westerly (see Plate 2). The only VOC constituents detected above laboratory reporting limits in groundwater during this monitoring event were PCE, TCE and cis-1,2-DCE. The maximum concentrations of PCE and TCE were detected in well MW-01 at 130 µg/L and 5.8 µg/L, respectively. These concentrations are slightly higher than those observed during third and fourth quarter 2007 monitoring.

TPHd was detected above laboratory reporting limits in groundwater during this monitoring event in each well, except well MW-04. TPHd concentrations range from 57 µg/L in well MW-01 to 200 µg/L in well MW-02. According to the analytical laboratory, the TPHg detected in well MW-01 is due to the presence of PCE. No other petroleum hydrocarbons were detected.

The first quarter 2008 is the second of two quarters of total petroleum hydrocarbon (i.e., TPHd and TPHg) monitoring that were requested by ACEH (ACEH, 2007b). As such, no further monitoring for these constituents will be performed. Monitoring of the four wells will continue for another quarter to assess whether concentrations of VOCs in groundwater decrease as a result of the Site remediation activities. The second quarter 2008 groundwater monitoring event will be conducted in early May 2008.

7.0 REFERENCES

Alameda County Environmental Health (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-01	2/6/2008	49.51	22.93	26.58
MW-02	8/7/2007	49.07	14.30	34.77
MW-02	11/19/2007	49.07	14.83	34.24
MW-02	2/6/2008	49.07	14.11	34.96
MW-03	8/7/2007	50.43	17.82	32.61
MW-03	11/19/2007	50.43	24.70	25.73
MW-03	2/6/2008	50.43	22.86	27.57
MW-04	8/7/2007	49.81	22.43	27.38
MW-04	11/19/2007	49.81	23.81	26.00
MW-04	2/6/2008	49.81	22.80	27.01

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

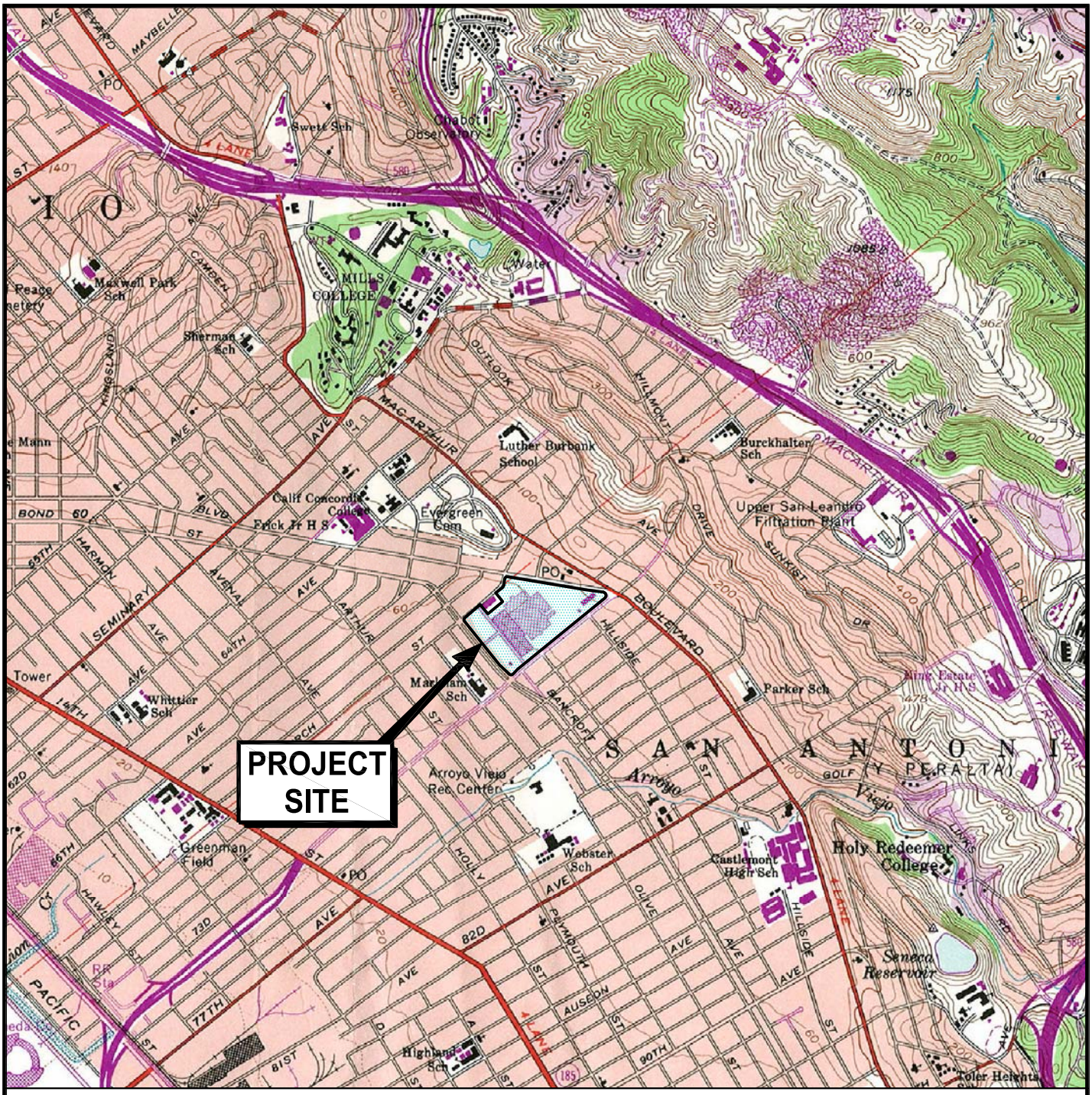
Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Sample Location	Sample Date	Petroleum Hydrocarbons		Volatile Organic Compounds									
		TPHg (µg/L)	TPHd (µg/L)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (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**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	8/7/2007	NA	NA	**71**	**3.1**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	11/19/2007	**110** (1)	**52**	**110**	**5.2**	ND (1.0)	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 (1.0)	ND (2.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01	2/6/2008	**140** (1)	**57**	**130**	**5.8**	**0.58**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	2/6/2008	**140** (1)	**65**	**130**	**5.7**	**0.60**	ND (1.0)	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**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	11/19/2007	ND (50)	**120**	**26**	**0.93**	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-02	2/6/2008	ND (50)	**200**	**25**	**0.90**	ND (0.50)	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)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	11/19/2007	ND (50)	**79**	**2.1**	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
MW-03	2/6/2008	ND (50)	**70**	**2.0**	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
MW-04	8/7/2007	NA	NA	ND (0.50)	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 (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-04	2/6/2008	ND (50)	ND (50)	ND (0.50)	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)
DCE - Dichloroethene
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.

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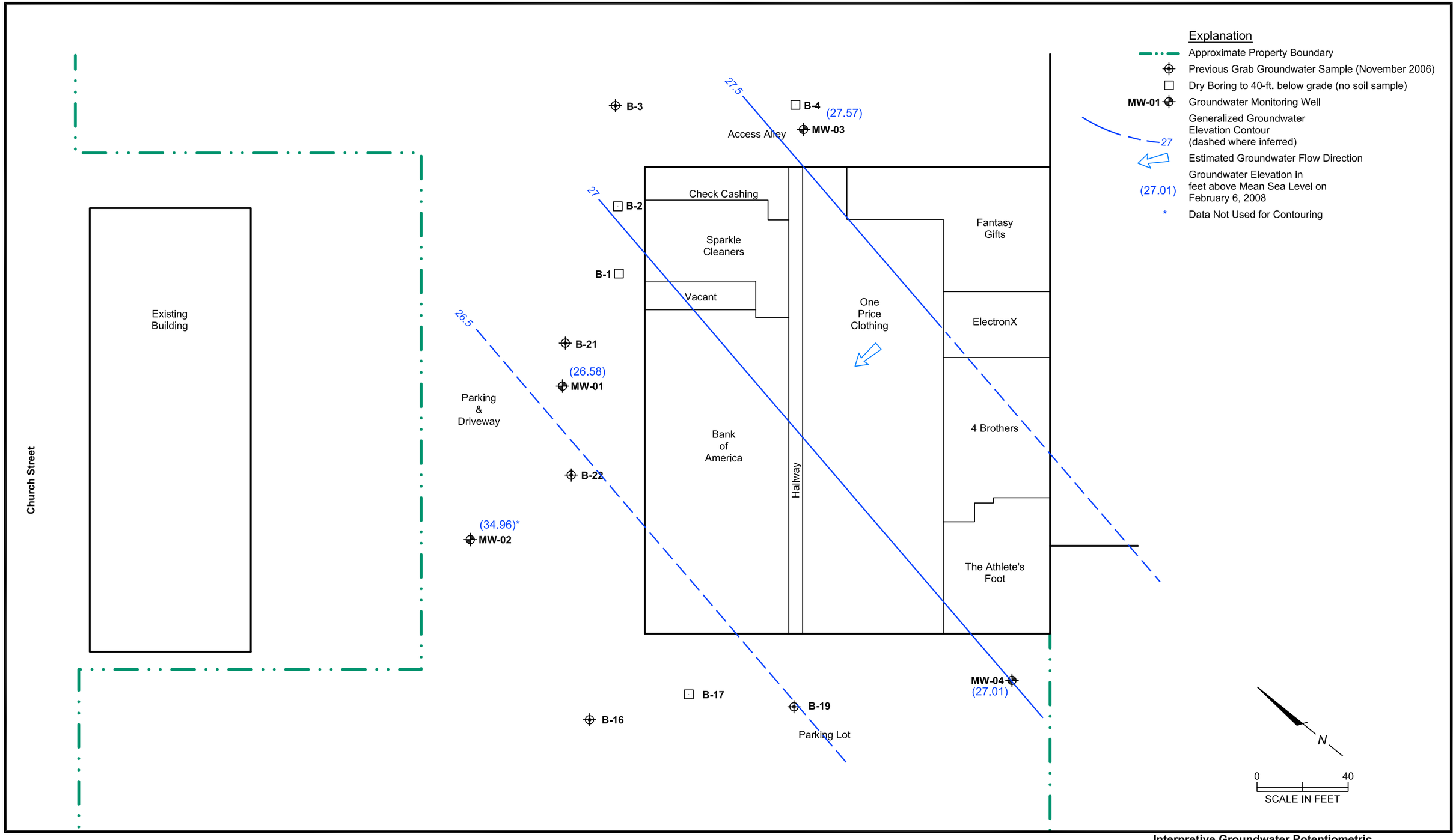
Site Location Map
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
1

881.060.03.004	881-06003-004_08-Q1_1	WWM	4/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



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Interpretive Groundwater Potentiometric Surface Map - February 6, 2008
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE 2

881.060.03.004	881-06003-004_08-Q1_2	WWM	4/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

MONITORING WELL SAMPLING FORMS

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	02/06/08		
Number of drum(s) empty:	3	1	2	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	0		
Total drum(s) on site:	6	6	7	2		
Are the drum(s) properly labeled?		Y	Y	N		
Drum ID & Contents:		Purgewater 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	02/06/08		
Number of drums empty:	1	2	2	2		
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:				1		
Number of drum(s) 3/4 full:		1				
Number of drum(s) full:	5	4	6	3		
Total drum(s) on site:	6	7	8	3		
Are the drum(s) properly labeled?	Y	Y	Y	Y		
Drum ID & Contents:	Soil/purgewater		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	1		
Date of inspection:	8-1-07	8/7/07	11/19/07	02/06/08		
Drum(s) labelled properly:	Y	Y	Y	Y		
Logged by BTS Field Tech:	DW	RC	Y	MD		
Office reviewed by:	N	N	RC	RC		

WELL GAUGING DATA

Project # 080205-M01 Date 02/06/08 Client PES

Site 7200 Bancroft, Oakland, Ca

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-1	0940	2					22.93	48.29		
MW-2	0933	2					14.11	34.64		
MW-3	0927	2	—				22.86	46.85		
MW-4	0917	2	—				22.90	44.11		

WELLHEAD INSPECTION CHECKLIST

Date 02/06/06 Client PES

Site Address 7200 Bancroft

Job Number 060206-MD1 Technician M. PIERCE

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-1	X							
MW-2		Annular	Seal	has	a hole in	it		
mw-3	X							
MW-4	X							

NOTES: 4, 3, 2, 1

V. .L MONITORING DATA SHE .

Project #: 080206-m01	Client: PES - 7200 Bancroft, Oakland, C
Sampler: MD	Date: 02/06/08
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 46.29	Depth to Water (DTW): 22.93
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]: 28.00	

Purge Method: (Disposable Bailer); Bailer, Waterra, Peristaltic, Positive Air Displacement, Extraction Pump, Electric Submersible, Other ___

Sampling Method: (Disposable Bailer); Bailer, Extraction Port, Dedicated Tubing, Other: ___

4.0 (Gals.) X 3 = 12.0 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
1115	17.6	7.90	925	235	4.0	—
1118	19.0	7.09	910	606	8.0	—
1121	18.6	7.23	920	676	12.0	—

Did well dewater? Yes (No) Gallons actually evacuated: 12.0

Sampling Date: 02/06/08 Sampling Time: 1131 Depth to Water: 27.38

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other (TT)

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: See COC

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 #: 080206-MD1	Client: PES - 7200 Bancroft, Oakland CC
Sampler: MD	Date: 02/06/08
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 34.64	Depth to Water (DTW): 14.11
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]: 18.22	

Purge Method: Bailer, ~~Disposable Bailer~~, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

3.3 (Gals.) X	3	=	9.9 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
1044	17.4	7.20	1231	620	3.3	—
1046	18.1	7.14	1199	796	6.6	—
1049	19.1	6.94	1157	813	9.9	—

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Date: 02/06/08 Sampling Time: 1101 Depth to Water: 17.21

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other ~~TR~~

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 #: 080205-MD1	Client: PES - 7200 Bancroft, Oakland
Sampler: MD	Date: 02/06/08
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 46.45	Depth to Water (DTW): 22.86
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]: 27.66	

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

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

1 Case Volume	Specified Volumes	Calculated Volume
3.8 (Gals.) X	3	= 11.4 Gals.

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
1021	17.9	8.15	525	65	3.8	—
1024	19.0	7.65	533	516	7.6	—
1028	19.3	7.40	547	746	11.4	—

Did well dewater? Yes (No) Gallons actually evacuated: 11.4

Sampling Date: 02/06/08 Sampling Time: 1031 Depth to Water: 27.72

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

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 #: 060206-MD1	Client: PES - 7200 Bancroft
Sampler: MD	Date: 02/06/08
Well I.D.: MW - 4	Well Diameter: ② 3 4 6 8 ___
Total Well Depth (TD): 99.11	Depth to Water (DTW): 22.80
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]: 27.06	

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

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

3.4 (Gals.) X	3	=	10.2 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
1000	18.8	8.44	596	811	3.4	
1003	18.9	8.00	703	>1000	6.8	
1005	19.7	7.65	681	>1000	10.2	

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Date: 02/06/08 Sampling Time: 1011 Depth to Water: 26.31

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other (TR)

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	

APPENDIX B

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-12932-1

Job Description: Eastmont Town Center

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

Attention: Mr. Miguel Rizo

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
02/18/2008
Revision: 1

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-J12932-1

Comments
No additional comments.

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

GC/MS VOA
Method(s) 8260B: Sample 720-12932-1,5 had gases hits duo to discrete peak(Tetrachloroethene).

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: 720-12932-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-12932-1	**MW-1**				
Gasoline Range Organics (GRO)-C5-C12		140	50	ug/L	8260B
Trichloroethene		5.8	0.50	ug/L	8260B
Tetrachloroethene		130	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.58	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		57	50	ug/L	8015B
720-12932-2	**MW-2**				
Trichloroethene		0.90	0.50	ug/L	8260B
Tetrachloroethene		25	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		200	50	ug/L	8015B
720-12932-3	**MW-3**				
Tetrachloroethene		2.0	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		70	50	ug/L	8015B
720-12932-5	**DUP**				
Gasoline Range Organics (GRO)-C5-C12		140	50	ug/L	8260B
Trichloroethene		5.7	0.50	ug/L	8260B
Tetrachloroethene		130	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.60	0.50	ug/L	8260B
Diesel Range Organics [C10-C28]		65	50	ug/L	8015B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-12932-1

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: 720-12932-1

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

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-12932-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-12932-1	MW-1	Water	02/06/2008 0000	02/07/2008 1405
720-12932-2	MW-2	Water	02/06/2008 0000	02/07/2008 1405
720-12932-3	MW-3	Water	02/06/2008 0000	02/07/2008 1405
720-12932-4	MW-4	Water	02/06/2008 0000	02/07/2008 1405
720-12932-5	DUP	Water	02/06/2008 0000	02/07/2008 1405
720-12932-6TB	TB	Water	02/06/2008 0000	02/07/2008 1405

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-1

Lab Sample ID: 720-12932-1 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8260B Analysis Batch: 720-31689 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/08/2008 1318 Final Weight/Volume: 40 mL
Date Prepared: 02/08/2008 1318

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
Trichloroethene	5.8		0.50
Naphthalene	ND		1.0
Chlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
Bromoform	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,2-Dichloropropane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
Methylene Chloride	ND		5.0
Chloromethane	ND		1.0
Bromomethane	ND		1.0
Chlorodibromomethane	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Chloroethane	ND		1.0
1,2-Dichlorobenzene	ND		0.50
Trichlorofluoromethane	ND		1.0
trans-1,3-Dichloropropene	ND		0.50
cis-1,2-Dichloroethene	0.58		0.50
Chloroform	ND		1.0
Vinyl chloride	ND		0.50
EDB	ND		0.50
Carbon tetrachloride	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorobromomethane	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	107	73 - 117
4-Bromofluorobenzene	115	71 - 139
1,2-Dichloroethane-d4 (Surr)	110	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-1

Lab Sample ID: 720-12932-1
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 02/15/2008 1209
Date Prepared: 02/15/2008 1209

Analysis Batch: 720-31941

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	130		1.0

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-1

Lab Sample ID: 720-12932-1 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-31788 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/12/2008 1523 Final Weight/Volume: 40 mL
Date Prepared: 02/12/2008 1523

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	140		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	92	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-2

Lab Sample ID: 720-12932-2 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8260B Analysis Batch: 720-31689 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/08/2008 1351 Final Weight/Volume: 40 mL
Date Prepared: 02/08/2008 1351

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
Trichloroethene	0.90		0.50
Naphthalene	ND		1.0
Chlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
Bromoform	ND		1.0
Tetrachloroethene	25		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,2-Dichloropropane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
Methylene Chloride	ND		5.0
Chloromethane	ND		1.0
Bromomethane	ND		1.0
Chlorodibromomethane	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Chloroethane	ND		1.0
1,2-Dichlorobenzene	ND		0.50
Trichlorofluoromethane	ND		1.0
trans-1,3-Dichloropropene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
Vinyl chloride	ND		0.50
EDB	ND		0.50
Carbon tetrachloride	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorobromomethane	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	108	73 - 117
4-Bromofluorobenzene	114	71 - 139
1,2-Dichloroethane-d4 (Surr)	111	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-2

Lab Sample ID: 720-12932-2 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-31788 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/12/2008 1549 Final Weight/Volume: 40 mL
Date Prepared: 02/12/2008 1549

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)	90	77 - 121
1,2-Dichloroethane-d4 (Surr)	99	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-3

Lab Sample ID: 720-12932-3 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8260B Analysis Batch: 720-31689 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/08/2008 1531 Final Weight/Volume: 40 mL
Date Prepared: 02/08/2008 1531

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
Trichloroethene	ND		0.50
Naphthalene	ND		1.0
Chlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
Bromoform	ND		1.0
Tetrachloroethene	2.0		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,2-Dichloropropane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
Methylene Chloride	ND		5.0
Chloromethane	ND		1.0
Bromomethane	ND		1.0
Chlorodibromomethane	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Chloroethane	ND		1.0
1,2-Dichlorobenzene	ND		0.50
Trichlorofluoromethane	ND		1.0
trans-1,3-Dichloropropene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
Chloroform	ND		1.0
Vinyl chloride	ND		0.50
EDB	ND		0.50
Carbon tetrachloride	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorobromomethane	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	107	73 - 117
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	116	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-3

Lab Sample ID: 720-12932-3 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-31788 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/12/2008 1615 Final Weight/Volume: 40 mL
Date Prepared: 02/12/2008 1615

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)	100	77 - 121
1,2-Dichloroethane-d4 (Surr)	112	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-4

Lab Sample ID: 720-12932-4 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8260B Analysis Batch: 720-31689 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/08/2008 1711 Final Weight/Volume: 40 mL
Date Prepared: 02/08/2008 1711

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

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	107	73 - 117
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	111	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-4

Lab Sample ID: 720-12932-4
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/12/2008 1942
Date Prepared: 02/12/2008 1942

Analysis Batch: 720-31788

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
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)	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	113	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: DUP

Lab Sample ID: 720-12932-5 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8260B Analysis Batch: 720-31689 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/08/2008 1851 Final Weight/Volume: 40 mL
Date Prepared: 02/08/2008 1851

Analyte	Result (ug/L)	Qualifier	RL
1,1-Dichloroethene	ND		0.50
Trichloroethene	5.7		0.50
Naphthalene	ND		1.0
Chlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
Bromoform	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,2-Dichloropropane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
Methylene Chloride	ND		5.0
Chloromethane	ND		1.0
Bromomethane	ND		1.0
Chlorodibromomethane	ND		0.50
1,2,4-Trichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Chloroethane	ND		1.0
1,2-Dichlorobenzene	ND		0.50
Trichlorofluoromethane	ND		1.0
trans-1,3-Dichloropropene	ND		0.50
cis-1,2-Dichloroethene	0.60		0.50
Chloroform	ND		1.0
Vinyl chloride	ND		0.50
EDB	ND		0.50
Carbon tetrachloride	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorobromomethane	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	108	73 - 117
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	114	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: DUP

Lab Sample ID: 720-12932-5
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 02/15/2008 1243
Date Prepared: 02/15/2008 1243

Analysis Batch: 720-31941

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	130		1.0

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: DUP

Lab Sample ID: 720-12932-5 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-31788 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/12/2008 2008 Final Weight/Volume: 40 mL
Date Prepared: 02/12/2008 2008

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	140		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	110	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: TB

Lab Sample ID: 720-12932-6TB
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/08/2008 1138
Date Prepared: 02/08/2008 1138

Analysis Batch: 720-31689

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

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

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	107	73 - 117
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	113	62 - 118

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: TB

Lab Sample ID: 720-12932-6TB
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/12/2008 1759
Date Prepared: 02/12/2008 1759

Analysis Batch: 720-31788

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
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)	91	77 - 121
1,2-Dichloroethane-d4 (Surr)	105	73 - 130

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-1

Lab Sample ID: 720-12932-1
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/11/2008 2242
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682

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]	57		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	91	50 - 150

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-2

Lab Sample ID: 720-12932-2
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/12/2008 0029
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682

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]	200		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	81	50 - 150

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-3

Lab Sample ID: 720-12932-3
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/12/2008 0056
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682

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]	70		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	91	50 - 150

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: MW-4

Lab Sample ID: 720-12932-4
Client Matrix: Water

Date Sampled: 02/06/2008 0000
Date Received: 02/07/2008 1405

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

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/12/2008 0122
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682

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]	ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	91	50 - 150

Client: PES Environmental, Inc. Job Number: 720-12932-1

Client Sample ID: DUP

Lab Sample ID: 720-12932-5 Date Sampled: 02/06/2008 0000
Client Matrix: Water Date Received: 02/07/2008 1405

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

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/12/2008 0149
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682

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]	65		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	85	50 - 150

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QUALITY CONTROL RESULTS

Client: PES Environmental, Inc. Job Number: 720-12932-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-31689					
LCS 720-31689/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31689/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31689/3	Method Blank	T	Water	8260B	
720-12932-1	MW-1	T	Water	8260B	
720-12932-2	MW-2	T	Water	8260B	
720-12932-2MS	Matrix Spike	T	Water	8260B	
720-12932-2MSD	Matrix Spike Duplicate	T	Water	8260B	
720-12932-3	MW-3	T	Water	8260B	
720-12932-4	MW-4	T	Water	8260B	
720-12932-5	DUP	T	Water	8260B	
720-12932-6TB	TB	T	Water	8260B	
Analysis Batch:720-31788					
LCS 720-31788/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31788/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31788/3	Method Blank	T	Water	8260B	
720-12932-1	MW-1	T	Water	8260B	
720-12932-1MS	Matrix Spike	T	Water	8260B	
720-12932-1MSD	Matrix Spike Duplicate	T	Water	8260B	
720-12932-2	MW-2	T	Water	8260B	
720-12932-3	MW-3	T	Water	8260B	
720-12932-4	MW-4	T	Water	8260B	
720-12932-5	DUP	T	Water	8260B	
720-12932-6TB	TB	T	Water	8260B	
Analysis Batch:720-31941					
LCS 720-31941/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31941/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31941/3	Method Blank	T	Water	8260B	
720-12932-1	MW-1	T	Water	8260B	
720-12932-5	DUP	T	Water	8260B	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-12932-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-31682					
LCS 720-31682/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31682/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31682/1-A	Method Blank	T	Water	3510C	
720-12932-1	MW-1	T	Water	3510C	
720-12932-2	MW-2	T	Water	3510C	
720-12932-3	MW-3	T	Water	3510C	
720-12932-4	MW-4	T	Water	3510C	
720-12932-5	DUP	T	Water	3510C	
Analysis Batch:720-31887					
LCS 720-31682/2-A	Lab Control Spike	T	Water	8015B	720-31682
LCSD 720-31682/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-31682
MB 720-31682/1-A	Method Blank	T	Water	8015B	720-31682
720-12932-1	MW-1	T	Water	8015B	720-31682
720-12932-2	MW-2	T	Water	8015B	720-31682
720-12932-3	MW-3	T	Water	8015B	720-31682
720-12932-4	MW-4	T	Water	8015B	720-31682
720-12932-5	DUP	T	Water	8015B	720-31682

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-12932-1

Method Blank - Batch: 720-31689

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31689/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2008 1105
Date Prepared: 02/08/2008 1105

Analysis Batch: 720-31689
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	110	73 - 117
4-Bromofluorobenzene	116	71 - 139
1,2-Dichloroethane-d4 (Surr)	114	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31689

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31689/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2008 0957
Date Prepared: 02/08/2008 0957

Analysis Batch: 720-31689
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31689/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2008 1032
Date Prepared: 02/08/2008 1032

Analysis Batch: 720-31689
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
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	99	96	65 - 125	3	20		
Trichloroethene	89	91	74 - 134	3	20		
Chlorobenzene	101	104	61 - 121	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	105	107	73 - 117
4-Bromofluorobenzene	112	114	71 - 139
1,2-Dichloroethane-d4 (Surr)	110	107	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31689

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-12932-2	Analysis Batch: 720-31689	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/08/2008 1424		Final Weight/Volume: 40 mL
Date Prepared:	02/08/2008 1424		

MSD Lab Sample ID:	720-12932-2	Analysis Batch: 720-31689	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/08/2008 1458		Final Weight/Volume: 40 mL
Date Prepared:	02/08/2008 1458		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	108	105	65 - 125	3	20		
Trichloroethene	92	90	74 - 134	2	20		
Chlorobenzene	105	108	61 - 121	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	106	108	73 - 117
4-Bromofluorobenzene	109	114	71 - 139
1,2-Dichloroethane-d4 (Surr)	113	115	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Method Blank - Batch: 720-31788

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31788/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2008 1214
Date Prepared: 02/12/2008 1214

Analysis Batch: 720-31788
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
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)	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	95	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31788

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31788/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2008 1332
Date Prepared: 02/12/2008 1332

Analysis Batch: 720-31788
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31788/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2008 1357
Date Prepared: 02/12/2008 1357

Analysis Batch: 720-31788
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	78	64 - 140	15	20		
MTBE	91	92	44 - 134	1	20		
Toluene	101	89	52 - 109	12	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	101	96	77 - 121
1,2-Dichloroethane-d4 (Surr)	108	108	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31788

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-12932-1	Analysis Batch:	720-31788	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200802\(
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	02/12/2008 1641			Final Weight/Volume:	40 mL
Date Prepared:	02/12/2008 1641				

MSD Lab Sample ID:	720-12932-1	Analysis Batch:	720-31788	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200802\02
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	02/12/2008 1707			Final Weight/Volume:	40 mL
Date Prepared:	02/12/2008 1707				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	86	96	64 - 140	11	20		
MTBE	95	98	44 - 134	4	20		
Toluene	96	96	52 - 109	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	101	94	77 - 121
1,2-Dichloroethane-d4 (Surr)	114	100	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Method Blank - Batch: 720-31941

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31941/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/15/2008 1029
Date Prepared: 02/15/2008 1029

Analysis Batch: 720-31941
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	108	73 - 117
4-Bromofluorobenzene	110	71 - 139
1,2-Dichloroethane-d4 (Surr)	96	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31941

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-31941/2	Analysis Batch: 720-31941	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 40 mL
Date Analyzed:	02/15/2008 0922		Final Weight/Volume: 40 mL
Date Prepared:	02/15/2008 0922		

LCSD Lab Sample ID:	LCSD 720-31941/1	Analysis Batch: 720-31941	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\021
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 40 mL
Date Analyzed:	02/15/2008 0955		Final Weight/Volume: 40 mL
Date Prepared:	02/15/2008 0955		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	99	95	65 - 125	5	20		
Trichloroethene	90	89	74 - 134	2	20		
Chlorobenzene	103	103	61 - 121	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	92	73 - 117
4-Bromofluorobenzene	106	97	71 - 139
1,2-Dichloroethane-d4 (Surr)	92	87	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-12932-1

Method Blank - Batch: 720-31682

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-31682/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2008 2215
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682
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	86	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31682

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31682/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2008 2121
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682
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 720-31682/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2008 2148
Date Prepared: 02/08/2008 1230

Analysis Batch: 720-31887
Prep Batch: 720-31682
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]	77	73	50 - 130	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	88	83	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

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: TA - San Francisco DHS #

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

109330

02/18/2008

SPECIAL INSTRUCTIONS

Invoice and Report to : PES

Attn: Gary Thomas

720-12932

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	VOCs including BTEX, Fuel Oxys, Napthalene (EPA 8260B)	TPH-G (8260B)	TPH-D (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	02/06	1131	W	7	X	X	X				
MW-2	"	1101	"	"	X	X	X				
MW-3	"	1031	"	"	X	X	X				
MW-4	"	1011	"	"	X	X	X				
DUP	"	1111	"	8	X	X	X				
TB	02/06		W	2	X	X					

SAMPLING COMPLETED: DATE 02/06 TIME 1240

SAMPLING PERFORMED BY: M. PIERCE

RESULTS NEEDED NO LATER THAN: STANDARD TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	02/06/08	1732	BTS Courier	2/6/08	1732
(Sample Custody)	2/7/08	1225		2/7/08	1225
	2/7/08	1401	FedEx TAR-SF	2/7/08	1405

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

Temp 2.4° C

Login Sample Receipt Check List

Client: PES Environmental, Inc. Job Number: 720-12932-1

Login Number: 12932 **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.	True	
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	True	
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

FIRST QUARTER 2008
GROUNDWATER MONITORING REPORT
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7000 BANCROFT AVENUE
OAKLAND, CALIFORNIA

APRIL 25, 2008

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