PES Environmental, Inc.
Engineering & Environmental Services

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Alameda County
Environmental Health

September 30, 2008

881.060.03.004

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

Attention: Mr. Jerry Wickham

Transmittal
Second 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 second 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

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

SEPTEMBER 29, 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 second 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

Second 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), and gasoline oxygenates. Field activities were conducted by Blaine Tech Services (BTS) of San Jose, California on May 15, 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 off-Site 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.

5.0 GROUNDWATER MONITORING RESULTS

5.1 Groundwater Elevation Measurements

Groundwater elevations measured on May 15, 2008 ranged from 25.99 feet MSL in well MW-01 to 36.00 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 second quarter 2008 monitoring event was approximately 0.015 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 May 15, 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 1.5 μg/L in well MW-03 to 130 μg/L in well MW-01 (PCE was detected at 140 μg/L in the duplicate sample from well MW-01). TCE was detected at concentrations of 5.5 and 0.91 μg/L in wells MW-01 and MW-02, respectively, and cis-1,2-dichloroethene (DCE) was detected at concentrations of 0.53 and 0.50 μg/L in wells MW-01 and MW-03. 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

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, and cis-1,2-DCE detected in both the regular and duplicate sample. The relative percent differences for the PCE, TCE, and cis-1,2-DCE concentrations detected in this sample are 3,7, 0.92, and 0.93 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 HYDROGEOLOGIC EVALUATION

Groundwater monitoring data collected since removal of the vadose zone source area in 2007 indicate that VOC concentrations are fairly stable in downgradient monitoring wells MW-01 and MW-02. Assuming complete removal of the vadose zone source area, the time required to observe a reduction in VOC concentrations in downgradient groundwater is dependent on several factors including groundwater flow velocities, sorption, biodegradation, and natural attenuation of the chemicals.

The groundwater flow velocity indicates the rate at which groundwater is moving beneath the site, but likely does not represent the rate at which the dissolved-phase VOCs are migrating within the groundwater. Because of retardation factors, the estimated groundwater velocity may be significantly greater than the dissolved-phase VOC velocity, and resulting groundwater travel times will be faster than the VOC travel times. However, estimations of groundwater travel times are useful in providing a timeframe for the minimum amount of time required for groundwater to travel from a removed source area to a downgradient area.

An estimation of the time required for groundwater to travel from the former source area to approximately 190 feet in the downgradient direction is presented herein. A distance of 190 feet was selected because it represents the approximate distance (perpendicular to groundwater contour lines) between the former source area and the vicinity of well MW-02 (the most downgradient well).

The following equation was utilized for this estimation:

$$\textbf{Velocity} = \mathbf{K/n_e * i}$$

Where:
K = Hydraulic conductivity (feet/day)
n_e = Effective porosity, or specific yield (percent)
i = Horizontal hydraulic gradient (feet/feet)

Because site-specific hydraulic conductivities are not available, lithologic logs for wells within the plume area (MW-01 and MW-02) were reviewed to identify the predominant water-bearing zones in the screened portions of wells. The predominant water-bearing zones in the screened intervals are poorly- and well-graded sands (SP and SW, respectively) at MW-01, and clayey sand (SC) at MW-02. Finer-grained sediments (silty clay and clay [CL]) are observed in the screened intervals at both wells; however, these units most likely have significantly lower permeabilities than the coarser-grained sediments and therefore were not evaluated.

6.1 Equation Variables

Hydraulic conductivities calculated at an environmental site in Oakland with similar lithologies to the site (primarily clayey sand) range from approximately 0.00136 centimeters per second (cm/s) (3.9 feet/day) to 0.00779 cm/s (22.1 feet/d) (Chemical Processors, Inc. 1990). These values are not inconsistent with the average hydraulic conductivity (2.5 meters per day [m/d] [8.2 feet/day]) described for a fine sand by Morris and Johnson (Morris and Johnson, 1967). The average effective porosity, or specific yield, for a fine sand is 21 percent (Johnson, 1967). The site-specific horizontal hydraulic gradient based on the May 2008 groundwater elevation data is approximately 0.0146 feet/feet.

6.2 Estimated Groundwater Velocity

Based on the data presented above, the estimated groundwater velocity ranges from approximately 0.3 to 1.5 feet per day. Using this range, a constituent in groundwater undergoing no retardation could theoretically travel the 190 feet between the former source area and well MW-02 in approximately 0.3 to 1.9 years. As discussed previously, retardation factors for chemicals such as PCE and TCE could increase the travel time from the source area to well MW-02. Additionally, the presence of fine-grained silty clay and clay sediments in the present in the saturated and not accounted for in the velocity calculations may further retard travel times of dissolved constituents in groundwater.

6.3 Discussion

The lack of a decreasing trend in VOC concentrations in downgradient groundwater one year following source removal is not inconsistent with the estimated minimum groundwater travel times (approximately 0.3 to 1.9 years) for the site. When retardation of the plume is considered, VOC travel times may be longer than the estimated groundwater travel times.

7.0 SUMMARY

The second quarter 2008 groundwater monitoring event has been conducted in accordance with the RAW. Groundwater flow at the Site continues to be westerly. The only VOC constituents detected above laboratory reporting limits in groundwater during this monitoring event were PCE, TCE, and cis-1,2-DCE. Concentrations of these chemicals are generally consistent with

those observed over the past two quarters of monitoring, but slightly higher than those observed during the third quarter 2007 monitoring.

Because the VOC plume is stable and a significant decrease in VOC concentrations may not occur for at least one more year, PES recommends a reduction of the current quarterly monitoring program to semi-annual monitoring. Semi-annual monitoring should provide sufficient data to evaluate concentration trends over time, and monitoring of plume stability. In addition, because naphthalene and fuel oxygenates have not been detected during the four quarters of groundwater monitoring, PES recommends eliminating these analyses from future groundwater monitoring. The next monitoring event will be conducted during fourth quarter 2008 and samples will be analyzed for halogenated VOCs (8010 list) using U.S. Environmental Protection Agency (EPA) Test Method 8260B.

8.0 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.

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Chemical Processors, Inc. 1990. Remedial Investigation Report. Chevron Service Station No. 9-8139, 16304 Foothill Boulevard, San Leandro, California. November 7.

Johnson, A.I. 1967. Specific Yield - compilation of specific yields for various materials. U.S. Geological Survey Water Supply Paper 1662-D. 74p.

Morris, D.A. and A.I. Johnson. 1967. Summary of hydrologic and physical properties of rock and soil materials as analyzed by the Hydrologic Laboratory of the U.S. Geological Survey 1948-1960. U.S. Geological Survey Water Supply Paper 1839-D. 42p.

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-01	5/15/2008	49.51	23.52	25.99
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-02	5/15/2008	49.07	13.07	36.00
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-03	5/15/2008	50.43	22.27	28.16
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
MW-04	5/15/2008	49.81	22.32	27.49

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-01	5/15/2008	NA	NA	**130**	**5.5**	**0.53**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	5/15/2008	NA	NA	**140**	**5.4**	**0.54**	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-02	5/15/2008	NA	NA	**20**	**0.91**	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-03	5/15/2008	NA	NA	**1.5**	ND (0.50)	**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
MW-04	5/15/2008	NA	NA	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

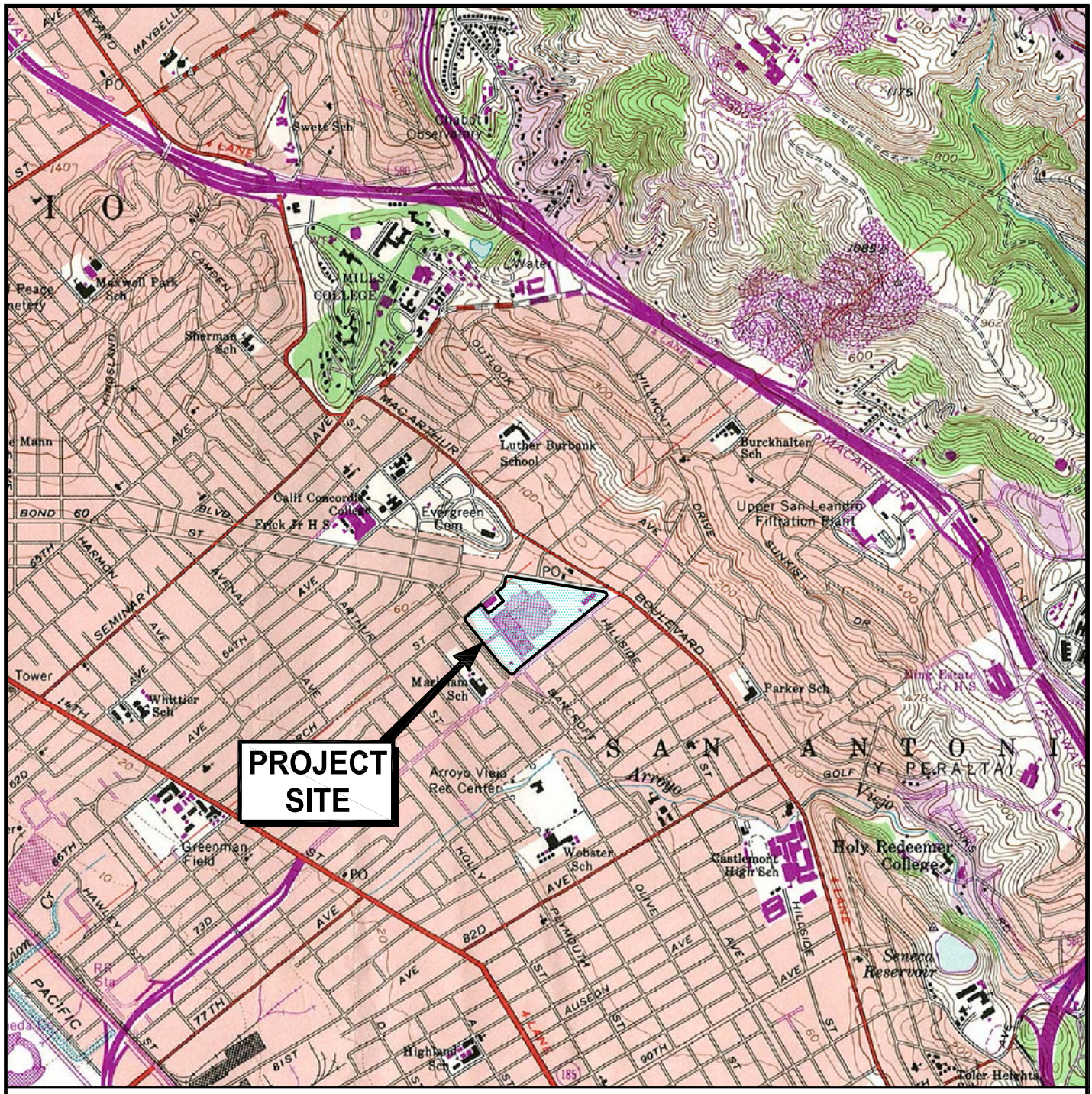
Notes:

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



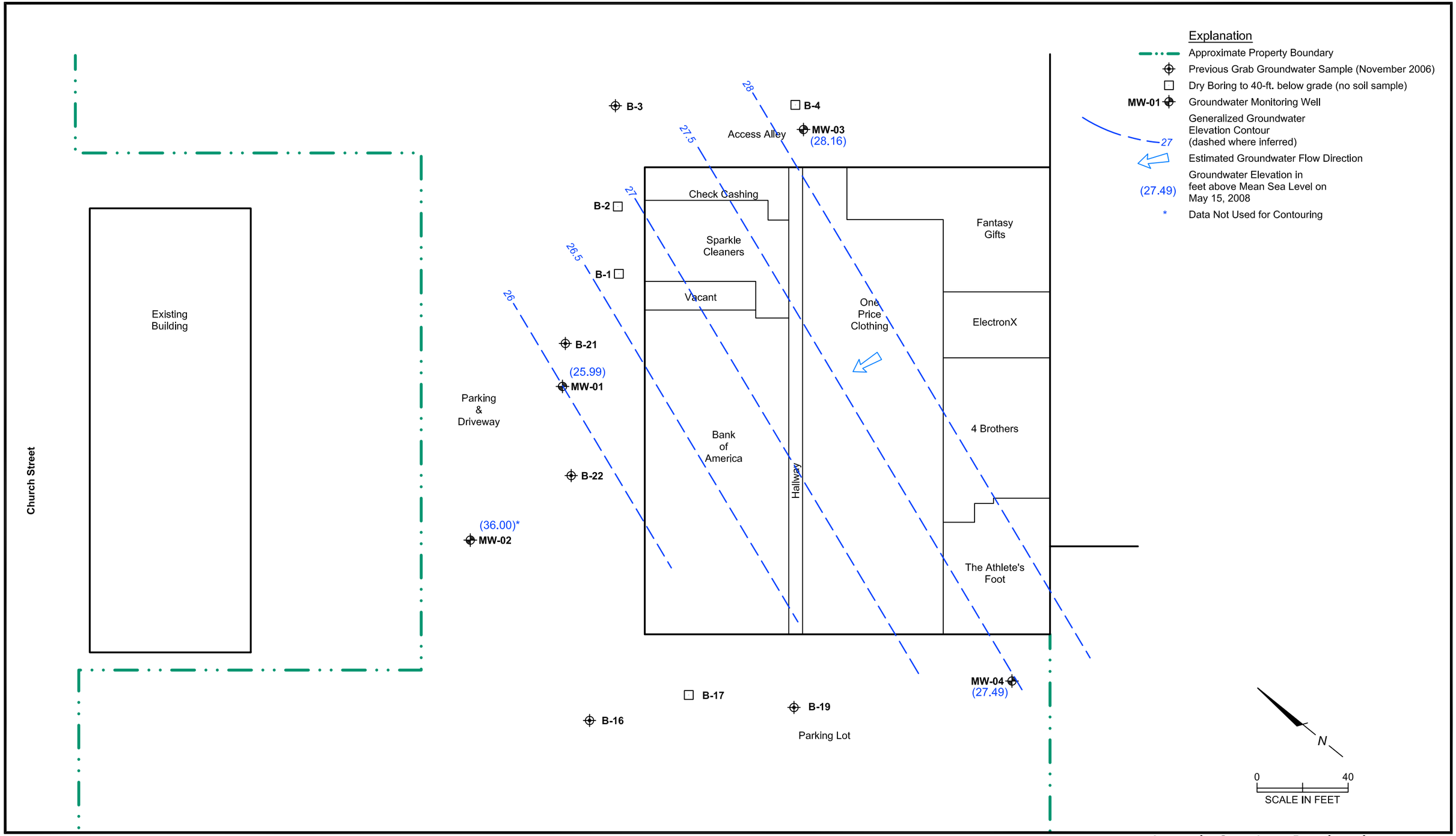
U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle. Map version 1959; current as of 1980.

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
1

881.060.03.004	881-06003-004_08-Q2_1	WWM	9/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Interpretive Groundwater Potentiometric Surface Map - May 15, 2008
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE 2

881.060.03.004	881-06003-004_08-Q2_2	WWM	9/08
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	05/15/08	
Number of drum(s) empty:	3	1	2	2	2 1	
Number of drum(s) 1/4 full:	1				1-soil	
Number of drum(s) 1/2 full:					1	
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	3	
Are the drum(s) properly labeled?		Y	Y	N	N.	
Drum ID & Contents:		Purge water Soil cuttings	Purge H_2O	—	purge H_2O	
If any drum(s) are partially or totally filled, what is the first use date:	—	—	—		NA	

- 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	05/15/8	
Number of drums empty:	1	2	2	2	1 Bad top	
Number of drum(s) 1/4 full:					1-soil	
Number of drum(s) 1/2 full:				1		
Number of drum(s) 3/4 full:		1			0	
Number of drum(s) full:	5	4	6	3	0	
Total drum(s) on site:	6	7	8	3	2	
Are the drum(s) properly labeled?	Y	Y	Y	Y	yes	
Drum ID & Contents:	Soil/purgewater	Purge water	~~Purge water~~		purge H_2O	

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	0	
Date of inspection:	8-1-07	8/7/07	11/19/07	02/06/08	05/15/08	
Drum(s) labelled properly:	Y	Y	Y	Y	Y	
Logged by BTS Field Tech:	DW	PC	ALTER	MD	WW	
Office reviewed by:						

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 7200 BANCROFT AVE, OAKLAND, CA				PROJECT NUMBER 05515-WW1			
EQUIPMENT NAME HYDRONL	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. C°	INITIALS
ULTRAMETER 2	~~609~~ (WW) 609554	05/15/08 0930	pH: 4,7,10 cond: 3900	pH: 7.00, 4.00 10.00 cond: 3900	yes	20.96	WW
2100P TURBIDIMETER	08030C28731	05/15/08 0925	NTU: <0.1 20, 100, 800	<0.1, 20 800, 100	yes	NA	WW

WELLHEAD INSPECTION CHECKLIST

Date 05-15-08 Client PES

Site Address 7200 BANCROFT AVE, OAKLAND, CA

Job Number 080515-MW1 Technician MW

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-01	X							
MW-02	~~X~~ (MW)	ANNULAR		SEAL	HOLE			
MW-03	X							
MW-04	X							

NOTES:

WELL GAUGING DATA

Project # 080515-WW1 Date 05-15-08 Client PES

Site 7200 BANCROFT. AVE, 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-01	0911	2	odor				23.52	46.96	TOB	
MW-02	0915	2	odor				13.07	34.73		
MW-03	0921	2	odor				22.27	44.00		
MW-04	0931	2	odor				22.32	48.44	↓	

WELL MONITORING DATA SHEET

Project #: 080515-MW1	Client: PES
Sampler: MW	Date: 05-15-08
Well I.D.: MW-01	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 46.96	Depth to Water (DTW): 23.52
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]: 28.21	

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

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

3.8	(Gals.) X	3	=	11.4	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
1050	23.1	6.65	956	102	3.8	
1053	22.1	6.64	944	294	7.6	
1055	21.2	6.69	933	478	11.4	

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

Sampling Date: 05/15/08 Sampling Time: 1101 Depth to Water: 23.88

Sample I.D.: MW-01 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 @ 1100 *

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 #: ~~08~~ 080515-MW1	Client: PES
Sampler: MW	Date: 05-15-08
Well I.D.: MW-02	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 34.73	Depth to Water (DTW): 13.07
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]: 17.40	

Purge Method: Bailer / (X) 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
1118	24.4	6.76	1203	275	3.5	
1121	24.7	6.63	1203	>1000	7	
1124	24.5	6.56	1185	>1000	10.5	

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

Sampling Date: 05/15/08 Sampling Time: 1129 Depth to Water: 14.03

Sample I.D.: MW-02 Laboratory: Kiff CalScience Other TA-SF

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

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

W. LL MONITORING DATA SHE. T

Project #: 080515-MW1	Client: PES
Sampler: MW	Date: 05-15-08
Well I.D.: MW-03	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 44.00	Depth to Water (DTW): 22.27
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]: 26.62	

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

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

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

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	(MW) Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1017	(20.3)	7.04	529	610	3.5	
1020	21.3	6.89	542	>1000	7	
1023	22.6	6.81	583	>1000	10.5	

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

Sampling Date: 05/15/08 Sampling Time: 1033 Depth to Water: 26.50

Sample I.D.: MW-03 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

WELL MONITORING DATA SHEET

Project #: 080515-WW1	Client: PES
Sampler: MW	Date: 05/15/08
Well I.D.: MW-04	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 48.44	Depth to Water (DTW): 22.32
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]: 27.54	

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

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

1 Case Volume		Specified Volumes		Calculated Volume
4.2	(Gals.) X	3	=	12.6 Gals.

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
0945	22.5	7.11	620	788	4.2	
0948	22.2	6.95	621	>1000	8.4	
0951	22.2	6.80	669	>1000	12.6	

Did well dewater? Yes (No) Gallons actually evacuated: 12.6

Sampling Date: 05/15/08 Sampling Time: 0956 Depth to Water: 22.32

Sample I.D.: MW-04 Laboratory: Kiff CalScience Other TA-SF

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

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: 720-14376-1

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
05/27/2008

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-J14376-1

Comments
No additional comments.

Receipt
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): RECEIVED SAMPLE ID DUP 6 VOAS SAMPLED AT 11:06 5-15-2008, SAMPLE NOT LISTED ON COC. SAMPLE LOGGED IN AND PUT ON HOLD.

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 the following sample is due to the presence of discrete peaks: MW-01 (720-14376-1).

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample is due to the presence of discrete peaks: DUP (720-14376-6).

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-14376-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-14376-1	**MW-01**				
cis-1,2-Dichloroethene		0.53	0.50	ug/L	8260B
Trichloroethene		5.5	0.50	ug/L	8260B
Tetrachloroethene		130	1.0	ug/L	8260B
720-14376-2	**MW-02**				
Trichloroethene		0.91	0.50	ug/L	8260B
Tetrachloroethene		20	0.50	ug/L	8260B
720-14376-3	**MW-03**				
cis-1,2-Dichloroethene		0.50	0.50	ug/L	8260B
Tetrachloroethene		1.5	0.50	ug/L	8260B
720-14376-6	**DUP**				
cis-1,2-Dichloroethene		0.54	0.50	ug/L	8260B
Trichloroethene		5.4	0.50	ug/L	8260B
Tetrachloroethene		140	1.0	ug/L	8260B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-14376-1

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

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: 720-14376-1

Method	Analyst	Analyst ID
SW846 8260B	Ali, Badri	BA
SW846 8260B	Chen, Amy	AC

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-14376-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-14376-1	MW-01	Water	05/15/2008 1101	05/16/2008 1520
720-14376-2	MW-02	Water	05/15/2008 1129	05/16/2008 1520
720-14376-3	MW-03	Water	05/15/2008 1033	05/16/2008 1520
720-14376-4	MW-04	Water	05/15/2008 0956	05/16/2008 1520
720-14376-5TB	TB-1	Water	05/15/2008 0712	05/16/2008 1520
720-14376-6	DUP	Water	05/15/2008 1106	05/16/2008 1520

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-01

Lab Sample ID: 720-14376-1 Date Sampled: 05/15/2008 1101
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-35994 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 1222 Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 1222

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	0.53		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	5.5		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
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)	97	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	101	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-01

Lab Sample ID: 720-14376-1
Client Matrix: Water

Date Sampled: 05/15/2008 1101
Date Received: 05/16/2008 1520

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

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 05/27/2008 1229
Date Prepared: 05/27/2008 1229

Analysis Batch: 720-36035

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

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

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	97	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-01

Lab Sample ID: 720-14376-1
Client Matrix: Water

Date Sampled: 05/15/2008 1101
Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/20/2008 2232
Date Prepared: 05/20/2008 2232

Analysis Batch: 720-35848

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	107	73 - 130

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-02

Lab Sample ID: 720-14376-2 Date Sampled: 05/15/2008 1129
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-35994 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 1904 Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 1904

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	0.91		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	20		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)	93	73 - 117
4-Bromofluorobenzene	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	97	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-02

Lab Sample ID: 720-14376-2
Client Matrix: Water

Date Sampled: 05/15/2008 1129
Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/20/2008 2255
Date Prepared: 05/20/2008 2255

Analysis Batch: 720-35848

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-03

Lab Sample ID: 720-14376-3 Date Sampled: 05/15/2008 1033
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-35994 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 1937 Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 1937

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	0.50		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	1.5		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)	95	73 - 117
4-Bromofluorobenzene	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-03

Lab Sample ID: 720-14376-3
Client Matrix: Water

Date Sampled: 05/15/2008 1033
Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/20/2008 2318
Date Prepared: 05/20/2008 2318

Analysis Batch: 720-35848

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	111	73 - 130

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-04

Lab Sample ID: 720-14376-4 Date Sampled: 05/15/2008 0956
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-35994 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2011 Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2011

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)	94	73 - 117
4-Bromofluorobenzene	103	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: MW-04

Lab Sample ID: 720-14376-4
Client Matrix: Water

Date Sampled: 05/15/2008 0956
Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/20/2008 2341
Date Prepared: 05/20/2008 2341

Analysis Batch: 720-35848

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	73 - 130

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: TB-1

Lab Sample ID: 720-14376-5TB
Client Matrix: Water

Date Sampled: 05/15/2008 0712
Date Received: 05/16/2008 1520

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

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/25/2008 1256
Date Prepared: 05/25/2008 1256

Analysis Batch: 720-35994

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\05
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)	97	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	103	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: TB-1

Lab Sample ID: 720-14376-5TB
Client Matrix: Water

Date Sampled: 05/15/2008 0712
Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/20/2008 2208
Date Prepared: 05/20/2008 2208

Analysis Batch: 720-35848

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	110	77 - 121
1,2-Dichloroethane-d4 (Surr)	108	73 - 130

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: DUP

Lab Sample ID: 720-14376-6 Date Sampled: 05/15/2008 1106
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-35994 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2118 Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2118

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	0.54		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	5.4		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
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)	96	73 - 117
4-Bromofluorobenzene	101	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: DUP

Lab Sample ID: 720-14376-6 Date Sampled: 05/15/2008 1106
Client Matrix: Water Date Received: 05/16/2008 1520

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

Method: 8260B Analysis Batch: 720-36035 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200805\05
Dilution: 2.0 Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1302 Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1302

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	140		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	73 - 117
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	62 - 118

Client: PES Environmental, Inc. Job Number: 720-14376-1

Client Sample ID: DUP

Lab Sample ID: 720-14376-6 Date Sampled: 05/15/2008 1106
Client Matrix: Water Date Received: 05/16/2008 1520

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-35848 Instrument ID: Varian 3900E
Preparation: 5030B Lab File ID: c:\varianws\data\200805\05
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/21/2008 0004 Final Weight/Volume: 10 mL
Date Prepared: 05/21/2008 0004

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
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	110	73 - 130

DATA REPORTING QUALIFIERS

Client: PES Environmental, Inc. Job Number: 720-14376-1

Lab Section	Qualifier	Description
GC/MS VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Client: PES Environmental, Inc. Job Number: 720-14376-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-35848					
LCS 720-35848/2	Lab Control Spike	T	Water	8260B	
LCSD 720-35848/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-35848/3	Method Blank	T	Water	8260B	
720-14373-A-12 MS	Matrix Spike	T	Water	8260B	
720-14373-A-12 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-14376-1	MW-01	T	Water	8260B	
720-14376-2	MW-02	T	Water	8260B	
720-14376-3	MW-03	T	Water	8260B	
720-14376-4	MW-04	T	Water	8260B	
720-14376-5TB	TB-1	T	Water	8260B	
720-14376-6	DUP	T	Water	8260B	
Analysis Batch:720-35994					
LCS 720-35994/2	Lab Control Spike	T	Water	8260B	
LCSD 720-35994/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-35994/3	Method Blank	T	Water	8260B	
720-14376-1	MW-01	T	Water	8260B	
720-14376-1MS	Matrix Spike	T	Water	8260B	
720-14376-1MSD	Matrix Spike Duplicate	T	Water	8260B	
720-14376-2	MW-02	T	Water	8260B	
720-14376-3	MW-03	T	Water	8260B	
720-14376-4	MW-04	T	Water	8260B	
720-14376-5TB	TB-1	T	Water	8260B	
720-14376-6	DUP	T	Water	8260B	
Analysis Batch:720-36035					
LCS 720-36035/2	Lab Control Spike	T	Water	8260B	
LCSD 720-36035/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-36035/3	Method Blank	T	Water	8260B	
720-14376-1	MW-01	T	Water	8260B	
720-14376-6	DUP	T	Water	8260B	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-14376-1

Method Blank - Batch: 720-35848

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-35848/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2008 2018
Date Prepared: 05/20/2008 2018

Analysis Batch: 720-35848
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 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
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	77 - 121
1,2-Dichloroethane-d4 (Surr)	94	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-35848

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-35848/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2008 2049
Date Prepared: 05/20/2008 2049

Analysis Batch: 720-35848
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-35848/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2008 2112
Date Prepared: 05/20/2008 2112

Analysis Batch: 720-35848
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200805\052
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	83	83	64 - 140	0	20		
MTBE	108	97	44 - 134	11	20		
Toluene	89	100	52 - 120	12	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	89	98	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-35848

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-14373-A-12 MS	Analysis Batch: 720-35848	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200805\(
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/21/2008 0249		Final Weight/Volume: 10 mL
Date Prepared:	05/21/2008 0249		

MSD Lab Sample ID:	720-14373-A-12 MSD	Analysis Batch: 720-35848	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200805\05
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/21/2008 0312		Final Weight/Volume: 10 mL
Date Prepared:	05/21/2008 0312		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	94	90	64 - 140	5	20		
MTBE	184	238	44 - 134	3	20	4	4
Toluene	108	108	52 - 120	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	115	113	77 - 121
1,2-Dichloroethane-d4 (Surr)	99	98	73 - 130

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Method Blank - Batch: 720-35994

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-35994/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1149
Date Prepared: 05/25/2008 1149

Analysis Batch: 720-35994
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\05
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)	95	73 - 117
4-Bromofluorobenzene	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-35994

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-35994/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1042
Date Prepared: 05/25/2008 1042

Analysis Batch: 720-35994
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-35994/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1115
Date Prepared: 05/25/2008 1115

Analysis Batch: 720-35994
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\052
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	88	65 - 125	2	20		
Trichloroethene	81	80	74 - 134	2	20		
Chlorobenzene	98	97	61 - 121	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	90	96	73 - 117
4-Bromofluorobenzene	99	104	71 - 139
1,2-Dichloroethane-d4 (Surr)	95	100	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-35994

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-14376-1	Analysis Batch:	720-35994	Instrument ID:	Varian 3900G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200805\(
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	05/25/2008 1436			Final Weight/Volume:	40 mL
Date Prepared:	05/25/2008 1436				

MSD Lab Sample ID:	720-14376-1	Analysis Batch:	720-35994	Instrument ID:	Varian 3900G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200805\05
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	05/25/2008 1510			Final Weight/Volume:	40 mL
Date Prepared:	05/25/2008 1510				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	92	92	65 - 125	0	20		
Trichloroethene	83	83	74 - 134	1	20		
Chlorobenzene	102	99	61 - 121	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	95	93	73 - 117
4-Bromofluorobenzene	104	104	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	97	62 - 118

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

Client: PES Environmental, Inc. Job Number: 720-14376-1

Method Blank - Batch: 720-36035

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36035/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1049
Date Prepared: 05/27/2008 1049

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
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)	98	73 - 117
4-Bromofluorobenzene	107	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: 720-14376-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-36035

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-36035/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 0942
Date Prepared: 05/27/2008 0942

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-36035/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1015
Date Prepared: 05/27/2008 1015

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\052
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	85	83	65 - 125	2	20		
Trichloroethene	87	86	74 - 134	1	20		
Chlorobenzene	102	96	61 - 121	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	97	73 - 117
4-Bromofluorobenzene	103	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	91	95	62 - 118

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

720-14376

CHAIN OF CUSTODY BTS # 080515-WW1

CLIENT: PES

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

LAB: TA - San Francisco

DHS #

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

10782

05/27/2008

SPECIAL INSTRUCTIONS

Invoice and Report to : PES
Attn: Gary Thomas

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	CONTAINERS HCl vials	C = COMPOSITE ALL CONTAINERS	Napthalene (EPA 8260B) - 5 MTBE; Fuel Oxys,	TPH-G (8015)	TPH-D (8015)	Halogenated VOCs (8010)					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-01	05/15/08	1101	W	6			X			X								
MW-02		1129					X			X								
MW-03		1033					X			X								
MW-04		0956					X			X								
TB-1		0712		2			X			X								

SAMPLING COMPLETED DATE 05/15/08 TIME 1129

SAMPLING PERFORMED BY WILL/HM WONG

RESULTS NEEDED NO LATER THAN STANDARD TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	05/15/08	1653	SAMPLE CUSTODIAN	05/15/08	1653
(SAMPLE CUST.)	5/16/08	1400		5/16/08	1400
	5/16/08	1520		5/16/08	1520

SHIPPED VIA | DATE SENT | TIME SENT | COOLER # | 1.7°C

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Login Sample Receipt Check List

Client: PES Environmental, Inc. Job Number: 720-14376-1

Login Number: 14376 **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.	False	SEE NCM
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

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

SEPTEMBER 29, 2008

COPY NO. ____

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1 Copy	SKB – Eastmont Oakland Associates, LLC 1211 SW Fifth Avenue, Suite 2600 Portland, Oregon 97204 Attention: Ms. Kathleen Schultz	1
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