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

Attention: Mr. Robert Schultz

**Transmittal
Groundwater Monitoring Report, First Semi-Annual 2017 Event
Sparkle Cleaners
Eastmont Town Center
7200 Bancroft Avenue
Oakland, California
SLIC Case RO0002942**

Dear Mr. Schultz:

Submitted herewith for your review is the Groundwater Monitoring Report for the First Semi-Annual 2017 Event, prepared by PES Environmental, Inc.

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.

Yours very truly,

Palm Peninsula, LLC and 7200 Bancroft LLC



Jacob Levy

cc: William W. Mast – PES Environmental, Inc.



A Report Prepared for:

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

Attention: Mr. Robert Schultz

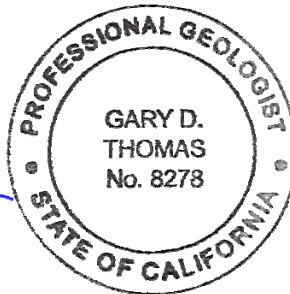
**GROUNDWATER MONITORING REPORT
FIRST SEMI-ANNUAL 2017 EVENT
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7200 BANCROFT AVENUE
OAKLAND, CALIFORNIA**

JULY 17, 2017

By:

A handwritten signature in blue ink that reads "Gary Thomas".

Gary Thomas, P.G.
Associate Geologist



A handwritten signature in blue ink that reads "William W. Mast".

William W. Mast, P.G.
Principal Engineer

1488.001.01.006

TABLE OF CONTENTS

LIST OF TABLES	iii
LIST OF ILLUSTRATIONS	iii
1.0 INTRODUCTION	1
2.0 BACKGROUND INFORMATION	1
3.0 SITE DESCRIPTION	2
4.0 GROUNDWATER MONITORING WELL SAMPLING ACTIVITIES	2
4.1 Depth to Groundwater Measurements	2
4.2 Monitoring Well Sampling	2
5.0 GROUNDWATER MONITORING RESULTS	3
5.1 Groundwater Elevation Measurements	3
5.2 Groundwater Sample Analytical Results	3
5.3 Quality Assurance/Quality Control Assessment of Chemical Data.....	4
6.0 SUMMARY	4
7.0 REFERENCES	4

TABLES

ILLUSTRATIONS

APPENDICES	A	MONITORING WELL SAMPLING FORMS
	B	LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

DISTRIBUTION

LIST OF TABLES

Table 1	Groundwater Monitoring Well Construction Details
Table 2	Groundwater Elevation Data
Table 3	Summary of Analytical Results for Groundwater Monitoring Well Samples

LIST OF ILLUSTRATIONS

Plate 1	Site Location Map
Plate 2	Interpretive Groundwater Potentiometric Surface Map – June 21, 2017

1.0 INTRODUCTION

This report presents the results of groundwater monitoring activities conducted during the first semi-annual 2017 monitoring event at the Sparkle Cleaners facility (Site). The Site is located at 7200 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. Until December 2008, tetrachloroethene (PCE) was used as the dry-cleaning solvent. At that time the PCE-based equipment was decommissioned, removed from the property, and replaced with new clothes cleaning equipment that utilizes “wet-cleaning” technology with a soy-based cleaner (i.e., no hazardous chemicals are used or stored on the Site). This report has been prepared for the Alameda County Environmental Health Department (ACEH) by PES Environmental, Inc. (PES) on behalf of Palm Peninsula, LLC and 7200 Bancroft LLC, the tenants-in-common owners of the subject property (collectively, Owner).

In a letter dated June 20, 2017, ACEH requested that a monitoring event be conducted in June 2017 to evaluate current conditions (ACEH, 2017). The last monitoring event was conducted in March 2015. The results of this monitoring event were presented in the *Groundwater Monitoring Report, First Semi-Annual 2015 Event* (PES, 2015).

2.0 BACKGROUND INFORMATION

The groundwater monitoring activities were conducted in accordance with the Remedial Action Workplan (RAW) that was approved by ACEH in a letter dated February 27, 2007 (PES, 2007a; ACEH, 2007a). The scope of work in the RAW 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). After four quarters of groundwater monitoring were completed in June 2008, PES recommended that the frequency of monitoring be reduced to a semi-annual basis (PES, 2008). ACEH agreed with this recommendation in a letter dated October 23, 2008 (ACEH, 2008).

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 is 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

Groundwater monitoring activities for the current event 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. Field activities were conducted by Blaine Tech Services (BTS) of San Jose, California on June 21 and 22, 2017. 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 the 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 collected monitoring well samples for laboratory analysis. A minimum of three casing volumes of groundwater were purged from the wells

with a disposable bailer prior to collecting the samples. 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) using U.S. Environmental Protection Agency (EPA) Test Method 8260B.

5.0 GROUNDWATER MONITORING RESULTS

5.1 Groundwater Elevation Measurements

Groundwater elevations measured during the current monitoring event ranged from 28.38 feet MSL in well MW-01 to 39.13 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-02 was constructed in this manner because groundwater was observed 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 current monitoring event was approximately 0.039-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 during the current monitoring event are summarized below and presented in Table 3. The laboratory analytical report and chain-of-custody documentation are provided in Appendix B.

PCE was detected in three of the four monitoring wells at concentrations ranging from 0.86 micrograms per liter ($\mu\text{g/L}$) in well MW-03 to 88 $\mu\text{g/L}$ in well MW-01 (PCE was also detected at 87 $\mu\text{g/L}$ in the duplicate sample from well MW-01). TCE was detected at concentrations of 1.9 $\mu\text{g/L}$ and 0.56 $\mu\text{g/L}$ in wells MW-01 and MW-02, respectively. 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.

5.3 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 and TCE detected in both the regular and duplicate sample. The relative percent differences for the PCE and TCE concentrations detected in this sample are 1.14 percent and 0 percent, respectively. The water samples were analyzed within acceptable EPA holding times and there were not VOC constituents detected in the trip blank. The data from TestAmerica are considered to be representative and of good quality.

6.0 SUMMARY

The first semi-annual 2017 groundwater monitoring event has been conducted in accordance with approved procedures.

Based on the groundwater elevation data from wells MW-01, MW-03, and MW-04, groundwater flow at the Site during this sampling event continues to be westerly (see Plate 2). The only VOC constituents detected above laboratory reporting limits in groundwater during this monitoring event were PCE and TCE. The maximum concentrations of PCE and TCE were detected in well MW-01 at 88 $\mu\text{g/L}$ and 1.9 $\mu\text{g/L}$, respectively. These concentrations are slightly lower than those observed during previous monitoring events. 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.

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.
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- ACEH, 2009. *Site Cleanup Program (SCP) Case RO0002942 and Geotracker Global ID SLT19735483, Sparkle Cleaners, 7200 Bancroft Avenue, Oakland, CA 94605 – Request for Technical Reports*. June 20.

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- 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.
- PES, 2008. *Second Quarter 2008 Groundwater Monitoring Report, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California.* September 29.
- PES, 2015. *Groundwater Monitoring Report, First Semi-Annual 2015 Event, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California.* June 5.

TABLES

Table 1
Groundwater Monitoring Well Construction Details
Sparkle Cleaners
Eastmont Town Center
7200 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 Pack 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
7200 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-01	11/19/2008	49.51	26.80	22.71
MW-01	5/14/2009	49.51	23.92	25.59
MW-01	1/5/2010	49.51	25.64	23.87
MW-01	5/20/2011	49.51	21.02	28.49
MW-01	3/18/2013	49.51	23.40	26.11
MW-01	9/27/2013	49.51	25.69	23.82
MW-01	3/12/2014	49.51	26.52	22.99
MW-01	11/21/2014	49.51	27.41	22.10
MW-01	3/31/2015	49.51	25.09	24.42
MW-01	6/21/2017	49.51	21.13	28.38
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-02	11/19/2008	49.07	17.57	31.50
MW-02	5/14/2009	49.07	14.21	34.86
MW-02	1/5/2010	49.07	15.05	34.02
MW-02	5/20/2011	49.07	10.28	38.79
MW-02	3/18/2013	49.07	13.02	36.05
MW-02	10/4/2013	49.07	15.00	34.07
MW-02	3/12/2014	49.07	14.64	34.43
MW-02	11/21/2014	49.07	17.04	32.03
MW-02	3/31/2015	49.07	15.29	33.78
MW-02	6/21/2017	49.07	9.94	39.13
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-03	11/19/2008	50.43	23.64	26.79
MW-03	5/14/2009	50.43	22.37	28.06
MW-03	1/5/2010	50.43	24.00	26.43
MW-03	5/20/2011	50.43	18.31	32.12
MW-03	3/18/2013	50.43	18.93	31.50
MW-03	9/27/2013	50.43	20.26	30.17
MW-03	3/12/2014	50.43	20.31	30.12
MW-03	11/21/2014	50.43	21.49	28.94
MW-03	3/31/2015	50.43	21.10	29.33
MW-03	6/21/2017	50.43	16.04	34.39

**Table 2
Groundwater Elevation Data
Sparkle Cleaners
Eastmont Town Center
7200 Bancroft Avenue
Oakland, California**

Well ID	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
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
MW-04	11/19/2008	49.81	25.60	24.21
MW-04	5/14/2009	49.81	23.50	26.31
MW-04	1/5/2010	49.81	24.52	25.29
MW-04	5/20/2011	49.81	19.39	30.42
MW-04	3/18/2013	49.81	22.07	27.74
MW-04	9/27/2013	49.81	24.81	25.00
MW-04	3/12/2014	49.81	25.39	24.42
MW-04	11/21/2014	49.81	27.21	22.60
MW-04	3/31/2015	49.81	23.60	26.21
MW-04	6/21/2017	49.81	19.67	30.14

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
7200 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-01	11/19/2008	NA	NA	110	4.4	ND (1.0)	ND (2.0)	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	11/19/2008	NA	NA	110	4.3	ND (1.0)	ND (2.0)	NA	NA	NA	NA	NA	ND
MW-01	5/14/2009	NA	NA	160	5.3	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	5/14/2009	NA	NA	140	4.9	ND (2.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	1/5/2010	NA	NA	110	4.1	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	1/5/2010	NA	NA	120	4.3	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	5/20/2011	NA	NA	110	4.0	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	5/20/2011	NA	NA	120	4.3	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/18/2013	NA	NA	150	3.4	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	3/18/2013	NA	NA	150	3.5	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	9/27/2013	NA	NA	120	3.1	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	9/27/2013	NA	NA	120	3.0	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/12/2014	NA	NA	130	3.4	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	3/12/2014	NA	NA	130	3.3	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	11/21/2014	NA	NA	120	3.0	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	11/21/2014	NA	NA	130	3.0	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/31/2015	NA	NA	140	3.5	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	3/31/2015	NA	NA	140	3.5	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	6/21/2017	NA	NA	88	1.9	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 ^(D)	6/21/2017	NA	NA	87	1.9	ND (0.50)	NA	NA	NA	NA	NA	NA	ND

Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7200 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-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-02	11/19/2008	NA	NA	23	0.88	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-02	5/14/2009	NA	NA	31	0.84	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	1/5/2010	NA	NA	24	0.60	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	5/20/2011	NA	NA	39	1.2	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/18/2013	NA	NA	36	0.95	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	10/4/2013	NA	NA	26	0.91	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/12/2014	NA	NA	26	0.70	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	11/21/2014	NA	NA	16	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/31/2015	NA	NA	22	0.54	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	6/22/2017	NA	NA	19	0.56	ND (0.50)	NA	NA	NA	NA	NA	NA	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-03	11/19/2008	NA	NA	2.0	ND (0.50)	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-03	5/14/2009	NA	NA	1.8	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	1/5/2010	NA	NA	1.5	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	5/20/2011	NA	NA	1.8	ND (0.50)	0.57	NA	NA	NA	NA	NA	NA	ND
MW-03	3/18/2013	NA	NA	1.6	ND (0.50)	0.67	NA	NA	NA	NA	NA	NA	ND
MW-03	9/27/2013	NA	NA	1.6	ND (0.50)	0.68	NA	NA	NA	NA	NA	NA	ND
MW-03	3/12/2014	NA	NA	1.7	ND (0.50)	0.85	NA	NA	NA	NA	NA	NA	ND
MW-03	11/21/2014	NA	NA	1.2	ND (0.50)	0.83	NA	NA	NA	NA	NA	NA	ND
MW-03	3/31/2015	NA	NA	0.99	ND (0.50)	0.58	NA	NA	NA	NA	NA	NA	ND
MW-03	6/21/2017	NA	NA	0.86	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND

Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7200 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-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
MW-04	11/19/2008	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-04	5/14/2009	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	1/5/2010	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	5/20/2011	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/18/2013	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	9/27/2013	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/12/2014	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	11/21/2014	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/31/2015	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	6/21/2017	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND

Notes:

TPHg - Gasoline range organics (C5-C12)

TPHd - Diesel range organics (C10-C28)

DCE - Dichloroethene

PCE - Tetrachloroethene

TCE - Trichloroethene

cis-1,2-DCE = cis-1,2-dichloroethene

µg/L - Micrograms per liter

NA - Not Analyzed

ND (0.50) - 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.

MTBE - Methyl tert-butyl ether

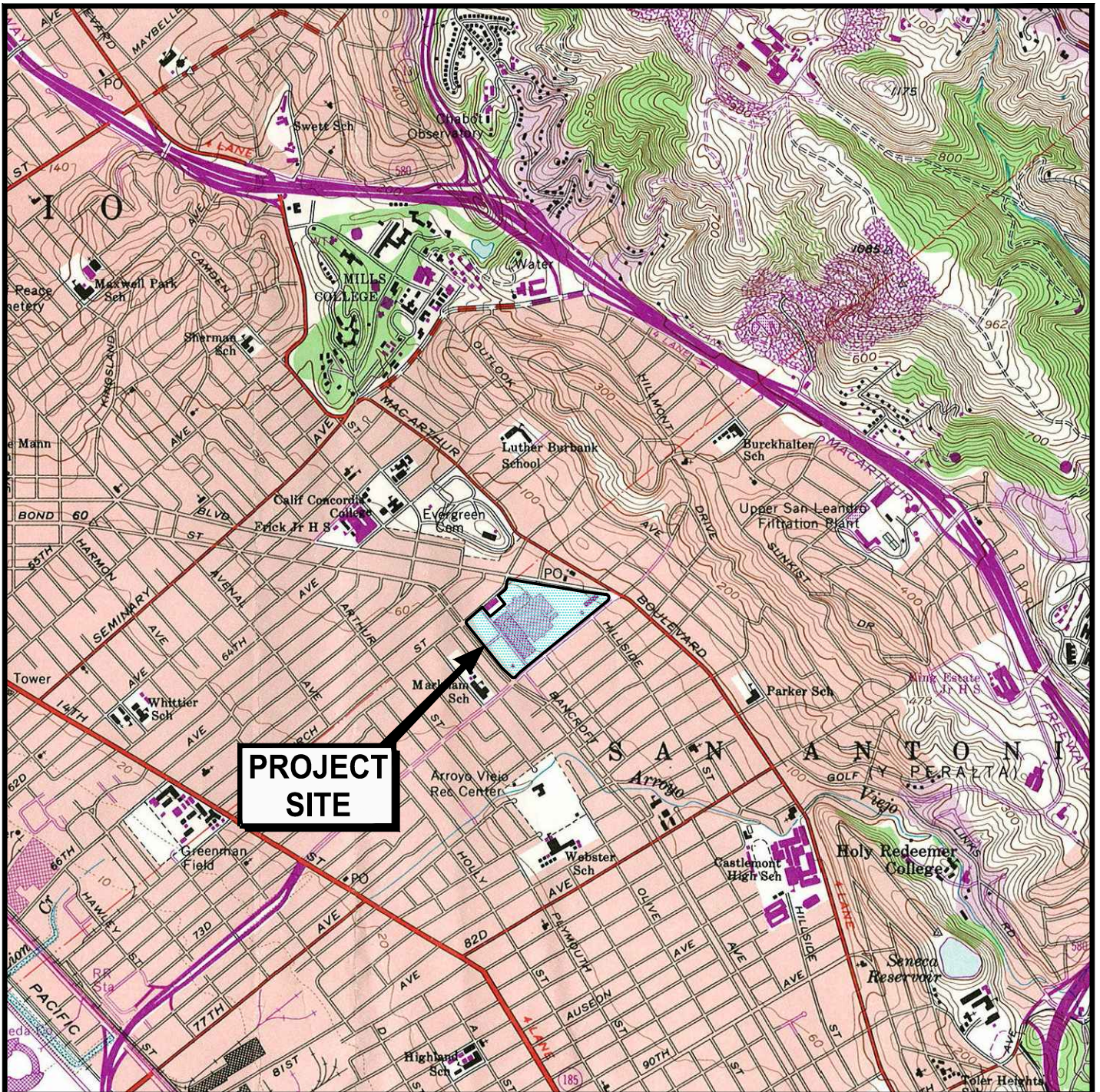
TAME - Tert-amyl methyl ether

TBA - Tert-butyl alcohol

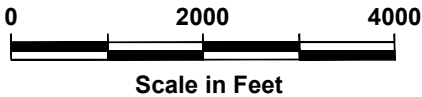
DIPE - Diisopropyl ether

ETBE - Ethyl tert-butyl ether

ILLUSTRATIONS



PROJECT SITE



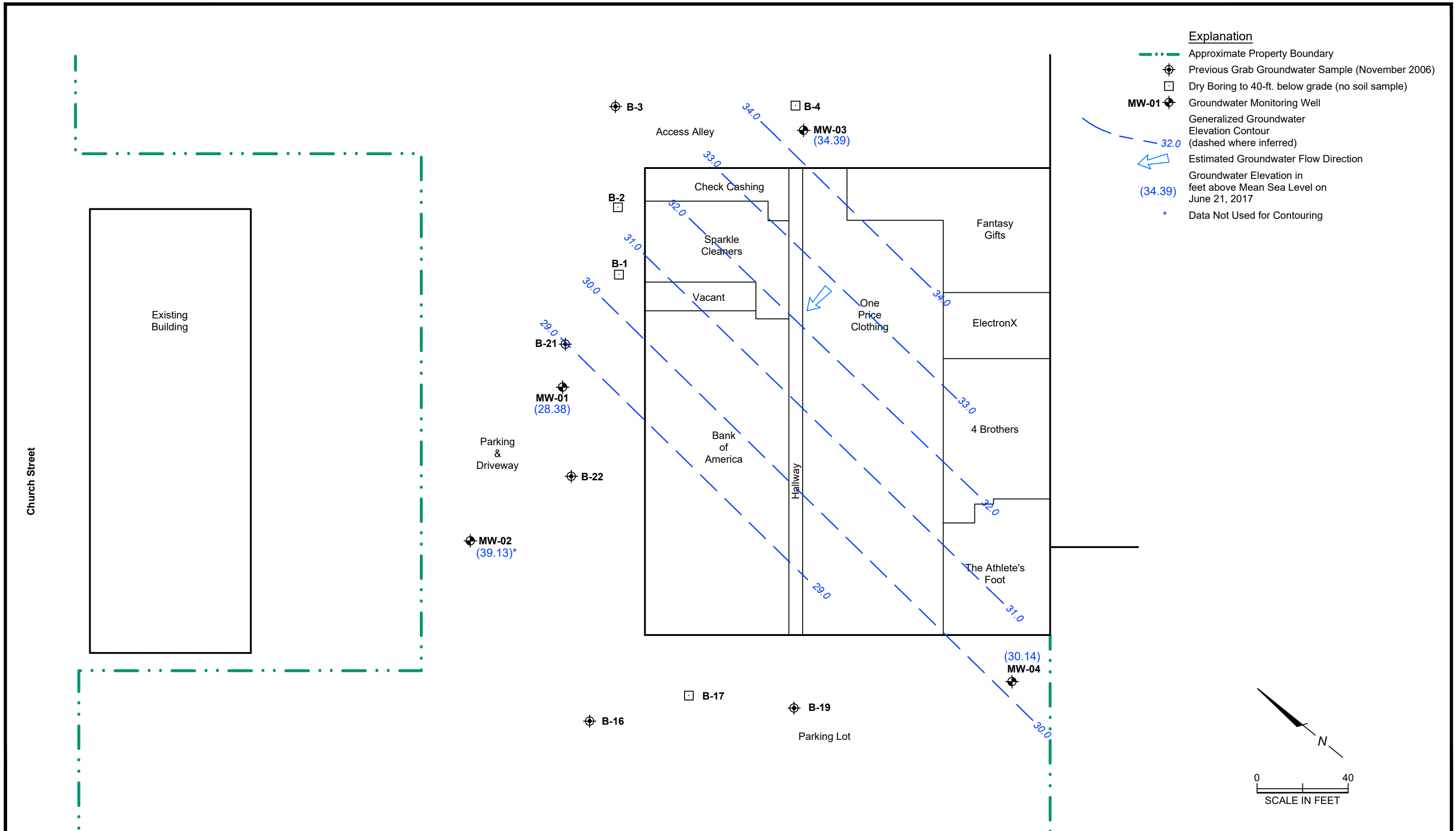
U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle. Map version 1959; current as of 1980.



Site Location Map
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE

1



APPENDIX A

MONITORING WELL SAMPLING FORMS

WELL MONITORING DATA SHEET

Project #: <u>170621-wwr</u>	Client: <u>PES</u>
Sampler: <u>WW</u>	Date: <u>6-21-17</u>
Well I.D.: <u>MW-01</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>46.90</u>	Depth to Water (DTW): <u>21.08</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>26.24</u>	

Purge Method: Bailer <u>Disposable Bailer</u> Positive Air Displacement Electric Submersible	Waters Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> Extraction Port Dedicated Tubing Other: _____
---	---	---

$4.1 \text{ (Gals.)} \times 3 = 12.3 \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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
<u>1540</u>	<u>25.7</u>	<u>7.24</u>	<u>965</u>	<u>275</u>	<u>4.1</u>	<u>brown, cloudy</u>
<u>1544</u>	<u>24.3</u>	<u>7.05</u>	<u>921</u>	<u>341</u>	<u>8.2</u>	<u>"</u>
<u>1548</u>	<u>23.3</u>	<u>7.01</u>	<u>868</u>	<u>383</u>	<u>12.3</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 12.3

Sampling Date: 6-21-17 Sampling Time: 1555 Depth to Water: 21.90

Sample I.D.: MW-01 Laboratory: Kiff CalScience Other TA

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

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

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

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 # <u>171601-ww2</u>	Client: <u>PES -</u>
Sampler: <u>ww</u>	Date: 6-22-17 ⁶⁻²²⁻¹⁷ <u>6-22-17</u>
Well I.D.: <u>MW-02</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>34.69</u>	Depth to Water (DTW): <u>9.86</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> VC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.65 ^{10.65} <u>10.66</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer

Disposable Bailer Peristaltic Disposable Bailer

Positive Air Displacement Extraction Pump Extraction Port

Electric Submersible Other _____ 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	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1304	28.4 <u>28.4</u>	7.46	1043	974	4	brown, cloudy
1311	30.0	7.09	1050	367	8	"
1318	29.0	6.98	1030	>1000	12	"

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Date: ~~6-23-17~~ ⁶⁻²²⁻¹⁷ 6-22-17 Sampling Time: 1330 Depth to Water: 10.39

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

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

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 #: <u>170621-ww1</u>	Client: <u>PES</u>
Sampler: <u>ww</u>	Date: <u>6-21-17</u>
Well I.D.: <u>MW-03</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>44.00</u>	Depth to Water (DTW): <u>16.00</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>21.60</u>	

Purge Method: Bailer <u>Disposable Bailer</u> Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <u>Disposable Bailer</u> Extraction Port Dedicated Tubing Other: _____
---	--	--

$\frac{4.5 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = 13.5 \text{ Gals.}$ <p style="font-size: small; margin: 0;">I Case Volume Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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
1503	28.7	7.67	639	452	4.5	brown, cloudy
1507	25.5	7.20	625	539	9	" "
1511	24.5	7.25	608	>1000	13.5	" "

Did well dewater? Yes No Gallons actually evacuated: 13.5

Sampling Date: 6-21-17 Sampling Time: 1520 Depth to Water: 21.35

Sample I.D.: MW-03 Laboratory: TA

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

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 #: 170621-ww2	Client: PES
Sampler: ww	Date: 6-21-17
Well I.D.: MW-04	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 48.19	Depth to Water (DTW): 19.67
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]: 25.37	

Purge Method: Bailer Disposable Bailer Waterra Peristaltic Extraction Pump Other _____
 Positive Air Displacement Electric Submersible

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

$4.6 \text{ (Gals.)} \times 3 \text{ Specified Volumes} = 13.8 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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
1416	25.9	7.86	631	489	4.6	brown, cloudy
1420	24.9	7.34	760	>1000	9.2	"
1424	23.9	7.30	775	>1000	13.8	"

Did well dewater? Yes No Gallons actually evacuated: 13.8

Sampling Date: 6-21-17 Sampling Time: 1430 Depth to Water: 20.04

Sample I.D.: MW-04 Laboratory: EA

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

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

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-80305-1
Client Project/Site: Eastmont Town Center

For:
PES Environmental, Inc.
7665 Redwood Blvd
Suite 200
Novato, California 94945

Attn: Mr. Gary Thomas



Authorized for release by:
6/29/2017 4:45:42 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	16
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

Definitions/Glossary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Job ID: 720-80305-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-80305-1**

Comments

No additional comments.

Receipt

The samples were received on 6/23/2017 12:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Detection Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-01

Lab Sample ID: 720-80305-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.9		0.50		ug/L	1		8260B	Total/NA
Tetrachloroethene	88		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: MW-03

Lab Sample ID: 720-80305-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.86		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: MW-04

Lab Sample ID: 720-80305-3

No Detections.

Client Sample ID: DUP

Lab Sample ID: 720-80305-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.9		0.50		ug/L	1		8260B	Total/NA
Tetrachloroethene	87		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: TB

Lab Sample ID: 720-80305-5

No Detections.

Client Sample ID: MW-02

Lab Sample ID: 720-80305-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.56		0.50		ug/L	1		8260B	Total/NA
Tetrachloroethene	19		0.50		ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-01

Lab Sample ID: 720-80305-1

Date Collected: 06/21/17 15:55

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/27/17 23:47	1
1,1-Dichloroethane	ND		0.50		ug/L			06/27/17 23:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/27/17 23:47	1
Vinyl chloride	ND		0.50		ug/L			06/27/17 23:47	1
Chloroethane	ND		1.0		ug/L			06/27/17 23:47	1
Trichlorofluoromethane	ND		1.0		ug/L			06/27/17 23:47	1
Methylene Chloride	ND		5.0		ug/L			06/27/17 23:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 23:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 23:47	1
Chloroform	ND		1.0		ug/L			06/27/17 23:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/27/17 23:47	1
Carbon tetrachloride	ND		0.50		ug/L			06/27/17 23:47	1
1,2-Dichloroethane	ND		0.50		ug/L			06/27/17 23:47	1
Trichloroethene	1.9		0.50		ug/L			06/27/17 23:47	1
1,2-Dichloropropane	ND		0.50		ug/L			06/27/17 23:47	1
Dichlorobromomethane	ND		0.50		ug/L			06/27/17 23:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 23:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 23:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/27/17 23:47	1
Tetrachloroethene	88		0.50		ug/L			06/27/17 23:47	1
Chlorodibromomethane	ND		0.50		ug/L			06/27/17 23:47	1
Chlorobenzene	ND		0.50		ug/L			06/27/17 23:47	1
Bromoform	ND		1.0		ug/L			06/27/17 23:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/27/17 23:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/27/17 23:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/27/17 23:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/27/17 23:47	1
Chloromethane	ND		1.0		ug/L			06/27/17 23:47	1
Bromomethane	ND		1.0		ug/L			06/27/17 23:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/27/17 23:47	1
EDB	ND		0.50		ug/L			06/27/17 23:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/27/17 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		06/27/17 23:47	1
4-Bromofluorobenzene	100		67 - 130		06/27/17 23:47	1
1,2-Dichloroethane-d4 (Surr)	116		72 - 130		06/27/17 23:47	1

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-03

Lab Sample ID: 720-80305-2

Date Collected: 06/21/17 15:20

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/28/17 00:15	1
1,1-Dichloroethane	ND		0.50		ug/L			06/28/17 00:15	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/28/17 00:15	1
Vinyl chloride	ND		0.50		ug/L			06/28/17 00:15	1
Chloroethane	ND		1.0		ug/L			06/28/17 00:15	1
Trichlorofluoromethane	ND		1.0		ug/L			06/28/17 00:15	1
Methylene Chloride	ND		5.0		ug/L			06/28/17 00:15	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 00:15	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 00:15	1
Chloroform	ND		1.0		ug/L			06/28/17 00:15	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/28/17 00:15	1
Carbon tetrachloride	ND		0.50		ug/L			06/28/17 00:15	1
1,2-Dichloroethane	ND		0.50		ug/L			06/28/17 00:15	1
Trichloroethene	ND		0.50		ug/L			06/28/17 00:15	1
1,2-Dichloropropane	ND		0.50		ug/L			06/28/17 00:15	1
Dichlorobromomethane	ND		0.50		ug/L			06/28/17 00:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 00:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 00:15	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/28/17 00:15	1
Tetrachloroethene	0.86		0.50		ug/L			06/28/17 00:15	1
Chlorodibromomethane	ND		0.50		ug/L			06/28/17 00:15	1
Chlorobenzene	ND		0.50		ug/L			06/28/17 00:15	1
Bromoform	ND		1.0		ug/L			06/28/17 00:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/28/17 00:15	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:15	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:15	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:15	1
Chloromethane	ND		1.0		ug/L			06/28/17 00:15	1
Bromomethane	ND		1.0		ug/L			06/28/17 00:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/28/17 00:15	1
EDB	ND		0.50		ug/L			06/28/17 00:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/28/17 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		06/28/17 00:15	1
4-Bromofluorobenzene	96		67 - 130		06/28/17 00:15	1
1,2-Dichloroethane-d4 (Surr)	113		72 - 130		06/28/17 00:15	1

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-04

Lab Sample ID: 720-80305-3

Date Collected: 06/21/17 14:30

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/28/17 00:43	1
1,1-Dichloroethane	ND		0.50		ug/L			06/28/17 00:43	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/28/17 00:43	1
Vinyl chloride	ND		0.50		ug/L			06/28/17 00:43	1
Chloroethane	ND		1.0		ug/L			06/28/17 00:43	1
Trichlorofluoromethane	ND		1.0		ug/L			06/28/17 00:43	1
Methylene Chloride	ND		5.0		ug/L			06/28/17 00:43	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 00:43	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 00:43	1
Chloroform	ND		1.0		ug/L			06/28/17 00:43	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/28/17 00:43	1
Carbon tetrachloride	ND		0.50		ug/L			06/28/17 00:43	1
1,2-Dichloroethane	ND		0.50		ug/L			06/28/17 00:43	1
Trichloroethene	ND		0.50		ug/L			06/28/17 00:43	1
1,2-Dichloropropane	ND		0.50		ug/L			06/28/17 00:43	1
Dichlorobromomethane	ND		0.50		ug/L			06/28/17 00:43	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 00:43	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 00:43	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/28/17 00:43	1
Tetrachloroethene	ND		0.50		ug/L			06/28/17 00:43	1
Chlorodibromomethane	ND		0.50		ug/L			06/28/17 00:43	1
Chlorobenzene	ND		0.50		ug/L			06/28/17 00:43	1
Bromoform	ND		1.0		ug/L			06/28/17 00:43	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/28/17 00:43	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:43	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:43	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/28/17 00:43	1
Chloromethane	ND		1.0		ug/L			06/28/17 00:43	1
Bromomethane	ND		1.0		ug/L			06/28/17 00:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/28/17 00:43	1
EDB	ND		0.50		ug/L			06/28/17 00:43	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/28/17 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		06/28/17 00:43	1
4-Bromofluorobenzene	98		67 - 130		06/28/17 00:43	1
1,2-Dichloroethane-d4 (Surr)	116		72 - 130		06/28/17 00:43	1

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: DUP

Lab Sample ID: 720-80305-4

Date Collected: 06/21/17 00:00

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/28/17 01:12	1
1,1-Dichloroethane	ND		0.50		ug/L			06/28/17 01:12	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/28/17 01:12	1
Vinyl chloride	ND		0.50		ug/L			06/28/17 01:12	1
Chloroethane	ND		1.0		ug/L			06/28/17 01:12	1
Trichlorofluoromethane	ND		1.0		ug/L			06/28/17 01:12	1
Methylene Chloride	ND		5.0		ug/L			06/28/17 01:12	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 01:12	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 01:12	1
Chloroform	ND		1.0		ug/L			06/28/17 01:12	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/28/17 01:12	1
Carbon tetrachloride	ND		0.50		ug/L			06/28/17 01:12	1
1,2-Dichloroethane	ND		0.50		ug/L			06/28/17 01:12	1
Trichloroethene	1.9		0.50		ug/L			06/28/17 01:12	1
1,2-Dichloropropane	ND		0.50		ug/L			06/28/17 01:12	1
Dichlorobromomethane	ND		0.50		ug/L			06/28/17 01:12	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 01:12	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 01:12	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/28/17 01:12	1
Tetrachloroethene	87		0.50		ug/L			06/28/17 01:12	1
Chlorodibromomethane	ND		0.50		ug/L			06/28/17 01:12	1
Chlorobenzene	ND		0.50		ug/L			06/28/17 01:12	1
Bromoform	ND		1.0		ug/L			06/28/17 01:12	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/28/17 01:12	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:12	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:12	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:12	1
Chloromethane	ND		1.0		ug/L			06/28/17 01:12	1
Bromomethane	ND		1.0		ug/L			06/28/17 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/28/17 01:12	1
EDB	ND		0.50		ug/L			06/28/17 01:12	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/28/17 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		06/28/17 01:12	1
4-Bromofluorobenzene	97		67 - 130		06/28/17 01:12	1
1,2-Dichloroethane-d4 (Surr)	114		72 - 130		06/28/17 01:12	1

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: TB

Lab Sample ID: 720-80305-5

Date Collected: 06/21/17 13:05

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/27/17 21:53	1
1,1-Dichloroethane	ND		0.50		ug/L			06/27/17 21:53	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/27/17 21:53	1
Vinyl chloride	ND		0.50		ug/L			06/27/17 21:53	1
Chloroethane	ND		1.0		ug/L			06/27/17 21:53	1
Trichlorofluoromethane	ND		1.0		ug/L			06/27/17 21:53	1
Methylene Chloride	ND		5.0		ug/L			06/27/17 21:53	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 21:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 21:53	1
Chloroform	ND		1.0		ug/L			06/27/17 21:53	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/27/17 21:53	1
Carbon tetrachloride	ND		0.50		ug/L			06/27/17 21:53	1
1,2-Dichloroethane	ND		0.50		ug/L			06/27/17 21:53	1
Trichloroethene	ND		0.50		ug/L			06/27/17 21:53	1
1,2-Dichloropropane	ND		0.50		ug/L			06/27/17 21:53	1
Dichlorobromomethane	ND		0.50		ug/L			06/27/17 21:53	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 21:53	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 21:53	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/27/17 21:53	1
Tetrachloroethene	ND		0.50		ug/L			06/27/17 21:53	1
Chlorodibromomethane	ND		0.50		ug/L			06/27/17 21:53	1
Chlorobenzene	ND		0.50		ug/L			06/27/17 21:53	1
Bromoform	ND		1.0		ug/L			06/27/17 21:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/27/17 21:53	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/27/17 21:53	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/27/17 21:53	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/27/17 21:53	1
Chloromethane	ND		1.0		ug/L			06/27/17 21:53	1
Bromomethane	ND		1.0		ug/L			06/27/17 21:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/27/17 21:53	1
EDB	ND		0.50		ug/L			06/27/17 21:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/27/17 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	92		70 - 130					06/27/17 21:53	1
<i>4-Bromofluorobenzene</i>	99		67 - 130					06/27/17 21:53	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	114		72 - 130					06/27/17 21:53	1

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-02

Lab Sample ID: 720-80305-6

Date Collected: 06/22/17 13:30

Matrix: Water

Date Received: 06/23/17 12:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/28/17 01:40	1
1,1-Dichloroethane	ND		0.50		ug/L			06/28/17 01:40	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/28/17 01:40	1
Vinyl chloride	ND		0.50		ug/L			06/28/17 01:40	1
Chloroethane	ND		1.0		ug/L			06/28/17 01:40	1
Trichlorofluoromethane	ND		1.0		ug/L			06/28/17 01:40	1
Methylene Chloride	ND		5.0		ug/L			06/28/17 01:40	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 01:40	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/28/17 01:40	1
Chloroform	ND		1.0		ug/L			06/28/17 01:40	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/28/17 01:40	1
Carbon tetrachloride	ND		0.50		ug/L			06/28/17 01:40	1
1,2-Dichloroethane	ND		0.50		ug/L			06/28/17 01:40	1
Trichloroethene	0.56		0.50		ug/L			06/28/17 01:40	1
1,2-Dichloropropane	ND		0.50		ug/L			06/28/17 01:40	1
Dichlorobromomethane	ND		0.50		ug/L			06/28/17 01:40	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 01:40	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/28/17 01:40	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/28/17 01:40	1
Tetrachloroethene	19		0.50		ug/L			06/28/17 01:40	1
Chlorodibromomethane	ND		0.50		ug/L			06/28/17 01:40	1
Chlorobenzene	ND		0.50		ug/L			06/28/17 01:40	1
Bromoform	ND		1.0		ug/L			06/28/17 01:40	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/28/17 01:40	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:40	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:40	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/28/17 01:40	1
Chloromethane	ND		1.0		ug/L			06/28/17 01:40	1
Bromomethane	ND		1.0		ug/L			06/28/17 01:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/28/17 01:40	1
EDB	ND		0.50		ug/L			06/28/17 01:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/28/17 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		06/28/17 01:40	1
4-Bromofluorobenzene	98		67 - 130		06/28/17 01:40	1
1,2-Dichloroethane-d4 (Surr)	113		72 - 130		06/28/17 01:40	1

Surrogate Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TOL	BFB	12DCE
		(70-130)	(67-130)	(72-130)
720-80305-1	MW-01	93	100	116
720-80305-2	MW-03	92	96	113
720-80305-3	MW-04	91	98	116
720-80305-4	DUP	91	97	114
720-80305-5	TB	92	99	114
720-80305-6	MW-02	92	98	113
LCS 720-225609/6	Lab Control Sample	94	100	110
LCSD 720-225609/7	Lab Control Sample Dup	94	100	113
MB 720-225609/5	Method Blank	91	98	111

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-225609/5

Matrix: Water

Analysis Batch: 225609

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			06/27/17 19:31	1
1,1-Dichloroethane	ND		0.50		ug/L			06/27/17 19:31	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/27/17 19:31	1
Vinyl chloride	ND		0.50		ug/L			06/27/17 19:31	1
Chloroethane	ND		1.0		ug/L			06/27/17 19:31	1
Trichlorofluoromethane	ND		1.0		ug/L			06/27/17 19:31	1
Methylene Chloride	ND		5.0		ug/L			06/27/17 19:31	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 19:31	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/27/17 19:31	1
Chloroform	ND		1.0		ug/L			06/27/17 19:31	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/27/17 19:31	1
Carbon tetrachloride	ND		0.50		ug/L			06/27/17 19:31	1
1,2-Dichloroethane	ND		0.50		ug/L			06/27/17 19:31	1
Trichloroethene	ND		0.50		ug/L			06/27/17 19:31	1
1,2-Dichloropropane	ND		0.50		ug/L			06/27/17 19:31	1
Dichlorobromomethane	ND		0.50		ug/L			06/27/17 19:31	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 19:31	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/27/17 19:31	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/27/17 19:31	1
Tetrachloroethene	ND		0.50		ug/L			06/27/17 19:31	1
Chlorodibromomethane	ND		0.50		ug/L			06/27/17 19:31	1
Chlorobenzene	ND		0.50		ug/L			06/27/17 19:31	1
Bromoform	ND		1.0		ug/L			06/27/17 19:31	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/27/17 19:31	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/27/17 19:31	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/27/17 19:31	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/27/17 19:31	1
Chloromethane	ND		1.0		ug/L			06/27/17 19:31	1
Bromomethane	ND		1.0		ug/L			06/27/17 19:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/27/17 19:31	1
EDB	ND		0.50		ug/L			06/27/17 19:31	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/27/17 19:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		06/27/17 19:31	1
4-Bromofluorobenzene	98		67 - 130		06/27/17 19:31	1
1,2-Dichloroethane-d4 (Surr)	111		72 - 130		06/27/17 19:31	1

Lab Sample ID: LCS 720-225609/6

Matrix: Water

Analysis Batch: 225609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	23.3		ug/L		93	64 - 128
1,1-Dichloroethane	25.0	24.9		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	26.0		ug/L		104	32 - 158
Vinyl chloride	25.0	24.6		ug/L		99	54 - 135
Chloroethane	25.0	25.4		ug/L		102	62 - 138

TestAmerica Pleasanton

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-225609/6

Matrix: Water

Analysis Batch: 225609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	25.0	29.8		ug/L		119	66 - 132
Methylene Chloride	25.0	23.0		ug/L		92	70 - 147
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	68 - 130
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	70 - 130
Chloroform	25.0	26.8		ug/L		107	70 - 130
1,1,1-Trichloroethane	25.0	29.3		ug/L		117	70 - 130
Carbon tetrachloride	25.0	29.1		ug/L		116	70 - 146
1,2-Dichloroethane	25.0	29.4		ug/L		118	61 - 132
Trichloroethene	25.0	25.3		ug/L		101	70 - 130
1,2-Dichloropropane	25.0	23.4		ug/L		94	70 - 130
Dichlorobromomethane	25.0	28.7		ug/L		115	70 - 130
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	70 - 140
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	70 - 130
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	70 - 130
Tetrachloroethene	25.0	25.2		ug/L		101	70 - 130
Chlorodibromomethane	25.0	26.9		ug/L		108	70 - 145
Chlorobenzene	25.0	25.1		ug/L		100	70 - 130
Bromoform	25.0	24.6		ug/L		99	68 - 136
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	70 - 130
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
Chloromethane	25.0	23.9		ug/L		96	52 - 175
Bromomethane	25.0	25.3		ug/L		101	43 - 151
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9		ug/L		99	42 - 162
EDB	25.0	26.1		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		70 - 130
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	110		72 - 130

Lab Sample ID: LCSD 720-225609/7

Matrix: Water

Analysis Batch: 225609

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	25.0	22.5		ug/L		90	64 - 128	3	20
1,1-Dichloroethane	25.0	24.3		ug/L		97	70 - 130	3	20
Dichlorodifluoromethane	25.0	25.1		ug/L		101	32 - 158	3	20
Vinyl chloride	25.0	24.4		ug/L		98	54 - 135	1	20
Chloroethane	25.0	24.5		ug/L		98	62 - 138	3	20
Trichlorofluoromethane	25.0	29.2		ug/L		117	66 - 132	2	20
Methylene Chloride	25.0	22.8		ug/L		91	70 - 147	1	20
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	68 - 130	1	20
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	70 - 130	0	20

TestAmerica Pleasanton

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-225609/7

Matrix: Water

Analysis Batch: 225609

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Chloroform	25.0	26.5		ug/L		106	70 - 130	1	20
1,1,1-Trichloroethane	25.0	28.6		ug/L		114	70 - 130	2	20
Carbon tetrachloride	25.0	28.6		ug/L		114	70 - 146	2	20
1,2-Dichloroethane	25.0	29.4		ug/L		118	61 - 132	0	20
Trichloroethene	25.0	24.7		ug/L		99	70 - 130	3	20
1,2-Dichloropropane	25.0	23.4		ug/L		94	70 - 130	0	20
Dichlorobromomethane	25.0	28.7		ug/L		115	70 - 130	0	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 140	1	20
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	70 - 130	1	20
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	70 - 130	1	20
Tetrachloroethene	25.0	24.8		ug/L		99	70 - 130	2	20
Chlorodibromomethane	25.0	27.3		ug/L		109	70 - 145	1	20
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130	2	20
Bromoform	25.0	25.0		ug/L		100	68 - 136	1	20
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 130	1	20
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.6		ug/L		103	70 - 130	2	20
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	1	20
Chloromethane	25.0	23.4		ug/L		94	52 - 175	2	20
Bromomethane	25.0	24.6		ug/L		98	43 - 151	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0		ug/L		96	42 - 162	3	20
EDB	25.0	26.4		ug/L		106	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		105	70 - 130	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	94		70 - 130
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		72 - 130

QC Association Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

GC/MS VOA

Analysis Batch: 225609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-80305-1	MW-01	Total/NA	Water	8260B	
720-80305-2	MW-03	Total/NA	Water	8260B	
720-80305-3	MW-04	Total/NA	Water	8260B	
720-80305-4	DUP	Total/NA	Water	8260B	
720-80305-5	TB	Total/NA	Water	8260B	
720-80305-6	MW-02	Total/NA	Water	8260B	
MB 720-225609/5	Method Blank	Total/NA	Water	8260B	
LCS 720-225609/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-225609/7	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Client Sample ID: MW-01

Date Collected: 06/21/17 15:55

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/27/17 23:47	BAJ	TAL PLS

Client Sample ID: MW-03

Date Collected: 06/21/17 15:20

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/28/17 00:15	BAJ	TAL PLS

Client Sample ID: MW-04

Date Collected: 06/21/17 14:30

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/28/17 00:43	BAJ	TAL PLS

Client Sample ID: DUP

Date Collected: 06/21/17 00:00

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/28/17 01:12	BAJ	TAL PLS

Client Sample ID: TB

Date Collected: 06/21/17 13:05

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/27/17 21:53	BAJ	TAL PLS

Client Sample ID: MW-02

Date Collected: 06/22/17 13:30

Date Received: 06/23/17 12:10

Lab Sample ID: 720-80305-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	225609	06/28/17 01:40	BAJ	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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- 15

Method Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: PES Environmental, Inc.
Project/Site: Eastmont Town Center

TestAmerica Job ID: 720-80305-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-80305-1	MW-01	Water	06/21/17 15:55	06/23/17 12:10
720-80305-2	MW-03	Water	06/21/17 15:20	06/23/17 12:10
720-80305-3	MW-04	Water	06/21/17 14:30	06/23/17 12:10
720-80305-4	DUP	Water	06/21/17 00:00	06/23/17 12:10
720-80305-5	TB	Water	06/21/17 13:05	06/23/17 12:10
720-80305-6	MW-02	Water	06/22/17 13:30	06/23/17 12:10

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720-80305

W# 176702

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

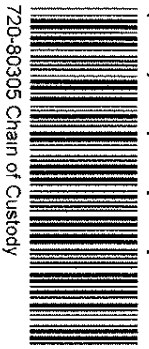
CHAIN OF CUSTODY
BTS # 17621-WW1

CLIENT PES
SITE Eastmont Town Center
7200 Bancroft Ave.
Oakland, CA

SAMPLE I.D.	DATE	TIME	MATRIX SOIL #	CONTAINERS
MW-01	6-21-17	1555	W	4 HELIXONS
MW-03		1520		4
MW-04		1430		4
DUP				4
TR		1325		2
MW-02	6-21-17	1330		4

C = COMPOSITE ALL CONTAINERS
Halogenated VOCs (8010 List) by EPA 8260B

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED	STANDARD TAT	DATE	TIME
6-22-17	1335	WILLIAM WOLFE	NO LATER THAN	STANDARD TAT	6-22-17	1525	



LAB TA - San Francisco
ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA
 LIA
 OTHER
 RWOCB REGION

SPECIAL INSTRUCTIONS
Invoice and Report to : PES
Attn: Gary Thomas
Report in Geotracker Format

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[Signature]	6-22-17	1335	[Signature]	6-22-17	1525
[Signature]	6-23-17	1035	[Signature]	6-23-17	1210

4.22

Login Sample Receipt Checklist

Client: PES Environmental, Inc.

Job Number: 720-80305-1

Login Number: 80305

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



DISTRIBUTION

**GROUNDWATER MONITORING REPORT
FIRST SEMI-ANNUAL 2017 EVENT
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7200 BANCROFT AVENUE
OAKLAND, CALIFORNIA**

JULY 17, 2017

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1 Copy (Electronic)	Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502 Attention: Mr. Robert Schultz	-
1 Copy	Palm Peninsula, LLC and 7200 Bancroft LLC c/o Levy Affiliated Holdings 201 Wilshire Boulevard Santa Monica California, 90401 Attention: Mr. Jacob Levy	1
1 Copy	PES Job File	2
1 Copy	Unbound Original	3