

ANTON EMERYVILLE, LLC

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July 5, 2017

Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

RECEIVED

By Alameda County Environmental Health 2:10 pm, Jul 07, 2017

Attention: Mr. Mark Detterman, PG, CEG, Senior Hazardous Materials Specialist

**TRANSMITTAL LETTER
REMEDIAL PROGRESS REPORT NO. 4
SOIL VAPOR EXTRACTION SYSTEM OPERATION
JANUARY 17 THROUGH FEBRUARY 28, 2017
6701, 6705, and 6707 SHELLMOUND STREET
EMERYVILLE, CALIFORNIA
Fuel Leak Case No. RO0000548
Geotracker Global ID T0600100894**

Dear Mr. Detterman:

Submitted herewith for your review is the *Remedial Progress Report No. 4, Soil Vapor Extraction System Operation, January 17 through February 28, 2017, 6701, 6705, and 6707 Shellmound Street, Emeryville, California* dated June 30, 2017, prepared by PES Environmental, Inc.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

Very truly yours,

ANTON EMERYVILLE, LLC



Rachel Green
Senior Development Manager



July 5, 2017

1448.001.03.006

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Attention: Mr. Mark Detterman, P.G., C.E.G.

**Re: Remedial Progress Report No. 4
Soil Vapor Extraction System Operation
January 16, 2017 through February 28, 2017
6701, 6705, and 6707 Shellmound Street
Emeryville, California
Fuel Leak Case No. RO0000548
Geotracker Global Id T0600100894**

Dear Mr. Detterman:

PES Environmental, Inc. (PES) has prepared this Remedial Progress Report (RPR) No. 4 on behalf of Anton Emeryville, LLC (Anton) to fulfill the monthly remedial progress reporting requirement¹ requested by Alameda County Environmental Health (ACEH) for operation of the soil vapor extraction (SVE) system at 6701, 6705, and 6707 Shellmound Street in Emeryville, California (collectively, the subject property or site). PES understands Anton is currently under contract to purchase the subject property and intends to redevelop the site for multi-family high density residential purposes.

This RPR summarizes operation and maintenance (O&M) of the SVE system during the subject reporting period, and includes:

1. A summary description of SVE monitoring activities during the subject reporting period (January 16 through February 28, 2017);

¹ ACEH, 2016. *Request for Interim Remedial Action Monitoring Plan and Schedule; SCP Case RO000548 and Geotracker Global ID T0600100894, Mike Roberts Color Production 6707 Bay Street, Emeryville, CA 94608.* November 8.

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2. Summary tables and graphical presentation of laboratory analytical data for vapor samples; and
3. Anticipated activities for the following reporting period.

Summary of SVE Operations

During this reporting period the SVE system was operated in accordance with methods and procedures for routine operation, maintenance, and monitoring as described in the O&M Plan². Routine O&M activities are performed by Environmental Engineering, Consulting, and Remediation, Inc. (E2CR). Weekly compliance monitoring of the SVE system was conducted during the reporting period in accordance with the Permit to Operate (PTO) permit issued on February 2, 2017 by the Bay Area Air Monitoring District (BAAQMD).

On February 3, 2017, all SVE wells were turned on to permit a scheduled SVE well soil vapor sampling event; however, water intrusion in several wells (primarily SVE-1 and SVE-8) required a temporary unplanned shutdown of the system. All wells except SVE-1 and SVE-8 resumed operation on February 6, 2017.

The SVE system was shut down on February 28, 2017, based on low concentrations of vinyl chloride detected in vapor samples collected from SVE wells on February 9, 2017. ACEH was notified by PES prior to the shutdown of the SVE system.

Summary of SVE Monitoring

Monitoring points near each wellhead, between vessels, and at multiple points past the air inlet valve are monitored. Influent, mid-point, and effluent monitoring were conducted during the reporting period in accordance with the PTO permit.

Tabulated field measurements of SVE operation for this reporting period are attached, and consist of:

- SVE operational data, presented in Table 1; and
- Field measurements of individual SVE well vacuum³ and total VOCs⁴, presented in Table 2.

² PES Environmental, Inc., 2016. *December 2016 Remedial Progress Report, Soil Vapor System Operations from November 8 through 15, 2016, 6701, 6705, and 6707 Shellmound Street, Emeryville, California, Fuel Leak Case No. RO0000548, Geotracker Global Id T0600100894.* December 16.

³ Measured with Dwyer Series 477 digital manometer.

⁴ Measured with a MiniRAE 2000 PID.

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SVE System Observed Vacuum and Flow Rate

During the reporting period, observed operating vacuum ranged from 4.08 to 4.89 inches of mercury.

SVE influent flow rate is estimated utilizing the blower manufacturer curve based on measured vacuum at an influent sample port upstream of the blower. As shown in Table 1, average operating flow rates during the reporting period ranged from 760 to 785 standard cubic feet per minute (scfm).

Vacuum at Vapor Extraction Wells

Table 2 summarizes vacuum observations at each extraction well. Observed vacuum at wells during the reporting period were consistent with prior field measurements indicating well-distributed vacuum pressure through the SVE well network (i.e., similar vacuum at each well).

Estimated Cumulative Mass Removal

Based on compliance sample results⁵ the estimated cumulative mass of vinyl chloride extracted since commencement of SVE to the end of this reporting period is 0.39 pounds (Table 1). PID readings of total VOCs in influent vapor collected during SVE system compliance monitoring (Table 1) were less than the operating range of the field PID (measurements displayed in minimum of 0.1 parts per million by volume [ppmv]).

Laboratory Analytical Results for SVE Well Vapor Samples

Vapor samples were collected on February 9, 2017 from 17 extraction wells (SVE-2 through SVE-7, and SVE-9 through SVE-19⁶). The samples were analyzed for VOCs using U.S. Environmental Protection Agency Test Method TO-15 by TestAmerica Laboratories, Inc. of Sacramento, California. Laboratory analytical results for detected VOCs are presented in Table 3. The laboratory analytical report and chain-of-custody documentation are provided in Appendix B.

A time-concentration chart of vinyl chloride concentrations in SVE wells with the highest baseline concentrations of vinyl chloride (vapor samples from all wells collected on October 31, 2016) is presented as Plate 2. Risk-based target cleanup levels (TCLs) for

⁵ Based on influent vapor samples collected by E2CR on November 28, 2016 and December 5 and 16, 2017.

⁶ No vapor samples were collected from SVE wells SVE-1 and SVE-8 on February 9, 2017 due to water intrusion into these wells.

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vinyl chloride, presented in the November 2016 Human Health Risk Assessment Report⁷, are also graphically indicated on Plate 2. As shown on Plate 2 and Table 3, concentrations of vinyl chloride have steadily decreased since commencement of SVE operation as an interim remedial action (IRA) on November 8, 2016, and the reported concentrations of vinyl chloride were below the most conservative TCL (i.e., 1×10^{-6} human health risk level) of 47 micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$).

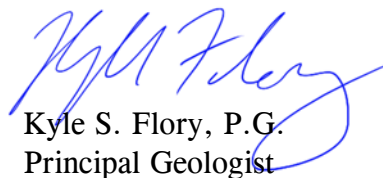
As such, based on the February 9, 2017 vapor sample results indicating that the SVE system had effectively reduced soil vapor concentrations to below applicable TCLs, the SVE system was shut down on February 28 to permit vapor rebound testing. PES recommends conducting the rebound sampling event after a minimum 30 consecutive days of shut down.

Very truly yours,

PES ENVIRONMENTAL, INC.



Christopher J. Baldassari, P.G.
Associate Geologist



Kyle S. Flory, P.G.
Principal Geologist

Attachments:	Table 1	Summary of SVE System Operational Data
	Table 2	Summary of SVE Well Field Measurements
	Table 3	Summary of Laboratory Analytical Results for Vapor Samples
	Plate 1	Site Plan and SVE / Air Inlet Well and Probe Locations
	Plate 2	Vinyl Chloride Concentrations in SVE Wells
	Appendix A	Laboratory Analytical Report and Chain-of-Custody Documentation

⁷ SLR International Corporation, 2016. *Human Health Risk Assessment Report*, 6701-6707 Shellmound Street, Emeryville, California. November.

TABLES

Table 1
Summary of SVE System Operational Data
Soil Vapor Extraction System
6701-6707 Shellmound Street
Emeryville, California

Date	System Vacuum Reading (in. of Hg)	Average Flow Rate (scfm)	Well Field Vacuum (in. of Hg)	PID Influent (ppmv)	Lab Influent (VC) (mg/m ³)	VC Extracted (grams)	Cumulative lbs VC Extracted
11/8/16	6.5	712	NA	7.0	0.250	0.00	0.00
11/9/16	6.2	721	NA	17.7	0.250	14.6	0.03
11/10/16	5.3	748	NA	13.0	0.250	19.4	0.07
11/11/16	4.9	760	4.89	12.7	0.250	17.3	0.11
11/14/16	6.0	727	6.00	9.0	0.250	1.2	0.12
11/15/16	6.0	727	0.0	11.3	0.250	19.9	0.16
11/16/16	6.0	727	5.74	9.1	0.250	18.9	0.20
11/17/16	6.0	727	5.73	10.1	0.047	10.8	0.23
11/18/16	6.0	727	5.67	7.5	0.047	3.6	0.23
11/19/16	5.7	737	5.65	6.4	0.047	3.5	0.24
11/20/16	6.0	727	5.60	6.5	0.047	3.4	0.25
11/21/16	6.0	727	5.25	6.5	0.047	3.6	0.26
11/22/16	6.0	727	5.20	4.3	0.047	3.6	0.26
11/23/16	6.0	727	5.50	2.3	0.000	1.6	0.27
11/24/16	6.0	727	NA	1.4	0.000	0.0	0.27
11/25/16	6.5	712	NA	1.5	0.000	0.0	0.27
11/26/16	7.0	696	NA	1.1	0.000	0.0	0.27
11/27/16	7.0	696	NA	1.3	0.000	0.0	0.27
11/28/16	6.0	727	NA	2.9	0.012	0.0	0.27
11/29/16	5.0	757	4.63	0.0	0.012	1.8	0.27
11/30/16	4.8	765	4.00	0.0	0.012	0.8	0.27
12/1/16	4.8	764	3.95	1.8	0.012	0.8	0.27
12/2/16	4.8	764	3.93	0.9	0.012	1.0	0.28
12/5/16	4.9	762	4.00	0.0	0.011	0.0	0.28
12/6/16	4.9	760	4.00	0.3	0.011	0.8	0.28
12/7/16	4.9	760	4.00	0.3	0.011	0.9	0.28
12/8/16	4.9	762	4.00	0.4	0.011	0.8	0.28
12/9/16	4.9	761	4.07	0.6	0.011	0.9	0.28
12/12/16	4.9	761	4.00	0.1	0.011	0.0	0.28
12/13/16	4.6	770	4.20	0.3	0.011	0.7	0.29
12/14/16	4.9	760	4.13	0.0	0.011	1.1	0.29
12/15/16	4.9	762	4.10	0.4	0.011	0.7	0.29
12/16/16	5.0	756	4.22	0.0	0.0003	0.4	0.29
12/19/16	4.8	763	4.00	2.4	0.0003	0.0	0.29
12/20/16	4.7	766	3.98	0.0	0.0003	0.0	0.29
12/21/16	4.7	767	4.07	0.0	0.0003	0.0	0.29
12/22/16	4.9	761	4.14	0.0	0.0003	0.0	0.29
12/23/16	4.7	766	3.97	0.0	0.0003	0.0	0.29
12/27/16	4.0	787	NA	4.6	0.0003	0.0	0.29
12/28/16	4.0	787	NA	39.0	0.0003	0.0	0.29
12/29/16	5.0	757	NA	34.8	0.0003	0.0	0.29
12/30/16	5.0	757	NA	1.0	0.0003	0.0	0.29

Table 1
Summary of SVE System Operational Data
Soil Vapor Extraction System
6701-6707 Shellmound Street
Emeryville, California

Date	System Vacuum Reading (in. of Hg)	Average Flow Rate (scfm)	Well Field Vacuum (in. of Hg)	PID Influent (ppmv)	Lab Influent (VC) (mg/m ³)	VC Extracted (grams)	Cumulative lbs VC Extracted
1/2/17	5.0	758	4.13	1.7	0.0003	0.0	0.29
1/3/17	4.9	760	4.10	2.1	0.0003	0.0	0.29
1/4/17	4.7	766	4.00	0.3	0.0003	0.0	0.29
1/5/17	4.7	767	4.02	2.5	0.0003	0.0	0.29
1/6/17	4.7	767	4.02	0.0	0.0003	0.0	0.29
1/12/17	4.1	784	4.00	2.3	0.0003	0.0	0.29
1/13/17	4.2	781	4.06	0.6	0.0003	0.0	0.29
1/14/17	4.4	777	4.15	2.2	0.0003	0.0	0.29
1/15/17	4.3	779	4.15	0.3	0.0003	0.0	0.29
1/16/17	4.3	780	4.08	0.0	0.0003	0.0	0.29
1/17/17	4.22	781	4.07	0.00	0.0003	0.0	0.29
1/18/17	4.22	781	4.08	0.00	0.0003	0.0	0.29
1/19/17	4.24	780	4.09	0.00	0.0003	0.0	0.29
1/20/17	4.22	781	4.08	0.00	0.0003	0.0	0.29
1/23/17	4.61	769	4.45	0.00	0.0003	0.0	0.29
1/24/17	4.13	784	4.02	0.00	0.0003	0.0	0.29
1/25/17	4.14	783	4.02	0.00	0.0003	0.0	0.29
1/26/17	4.16	783	4.06	0.00	0.0003	0.0	0.29
1/30/17	4.25	780	4.14	0.00	0.0003	0.0	0.29
1/31/17	4.08	785	3.97	0.00	0.0003	0.0	0.29
2/1/17	4.09	785	3.95	0.00	0.0003	0.0	0.29
2/2/17	4.10	784	3.96	0.00	0.0003	0.0	0.29
2/3/17	4.25	780	3.95	0.00	0.0003	0.1	0.29
2/6/17	4.25	780	4.05	0.00	0.0003	0.0	0.29
2/7/17	4.28	779	4.08	0.00	0.0003	0.0	0.29
2/8/17	4.37	776	4.13	0.00	0.0003	0.0	0.29
2/9/17	4.89	760	4.15	0.00	0.0003	0.0	0.29
2/10/17	4.18	782	4.05	0.00	0.0003	0.0	0.29
2/13/17	4.45	774	4.28	0.00	0.0003	0.4	0.29
2/28/17 ¹	4.12	784	3.98	0.00	0.0003	0.0	0.29

Notes:

Only dates of SVE operation are shown.

-- = Data not available

NA = Not Applicable or Not Available

in. = inches

VOC = Volatile Organic Compounds

scfm = Standard cubic feet per minute

ppmv = Parts per million by volume

lbs = Pounds

VC = Vinyl Chloride

Mass extracted are estimated on laboratory analytical data.

mg/m³ = milligrams per cubic meter air

SVE = Soil vapor extraction

¹ = SVE system shut down for rebound testing

Table 2
SVE Well Field Measurements
6701 - 6707 Shellmound Street
Emeryville, California

	Units	11/9/2016	11/15/2016	11/22/2016	12/1/2016	12/5/2016	12/13/2016	12/20/2016	12/27/2016	1/18/2017	1/24/2017	2/2/2017	2/9/2017	2/18/2017	2/25/2017
SVE-1															
Total VOCs	PPMv	49.3	115.7	102.1	80.2	75.9	3.80	3.30	8.30	0.50	0.70	0.30	--	--	--
Vacuum	in. H2O	67.6	77.8	69.5	54.5	51.2	53.70	53.80	60.20	57.60	58.30	54.40	--	--	--
SVE-2															
Total VOCs	PPMv	44.3	36.5	11.1	--	--	--	--	--	--	--	--	1.30	4.00	4.30
Vacuum	in. H2O	64.2	72.3	65.1	--	--	--	--	--	--	--	--	53.10	55.60	56.50
SVE-3															
Total VOCs	PPMv	12.5	17.9	10.4	--	--	--	--	--	--	--	--	--	2.00	1.40
Vacuum	in. H2O	65.9	75.3	67.5	--	--	--	--	--	--	--	--	--	55.70	56.50
SVE-4															
Total VOCs	PPMv	26.8	40.8	31.3	17.6	33.3	15.30	4.00	7.00	0.80	1.00	3.80	0.30	0.40	1.20
Vacuum	in. H2O	66.4	75.7	68.0	54.7	51.3	53.60	54.10	60.60	57.50	58.20	54.60	52.90	55.80	56.80
SVE-5															
Total VOCs	PPMv	35.4	79.4	71.6	40.9	91.8	0.30	1.40	--	--	--	--	0.00	0.40	0.40
Vacuum	in. H2O	66.8	76.3	68.4	54.5	48.5	52.90	54.30	--	--	--	--	51.50	55.70	56.80
SVE-6															
Total VOCs	PPMv	126.2	93.3	20.7	4.3	32.6	16.30	--	--	--	--	--	--	2.60	2.60
Vacuum	in. H2O	65.2	76.9	68.9	54.6	51.1	49.50	--	--	--	--	--	--	55.60	57.00
SVE-7															
Total VOCs	PPMv	17.1	66.4	11.4	--	--	--	--	--	--	--	--	0.20	1.50	1.30
Vacuum	in. H2O	64.9	77.0	69.0	--	--	--	--	--	--	--	--	53.80	55.80	57.00
SVE-8															
Total VOCs	PPMv	5.7	40.2	14.4	--	--	--	--	--	--	--	--	--	--	--
Vacuum	in. H2O	65.0	77.2	69.1	--	--	--	--	--	--	--	--	--	--	--
SVE-9															
Total VOCs	PPMv	1.7	13.1	7.4	4.1	7.7	22.30	7.20	24.50	2.10	3.50	4.40	1.80	1.80	1.20
Vacuum	in. H2O	67.6	77.8	69.4	54.5	51.1	53.30	54.10	60.80	57.90	58.20	54.50	55.10	55.30	56.40
SVE-10															
Total VOCs	PPMv	1.7	24.9	6.2	3.9	4.7	8.40	4.20	22.90	1.40	1.80	2.40	1.10	0.70	1.90
Vacuum	in. H2O	67.7	77.9	69.4	54.4	51.2	53.20	54.00	61.00	57.60	58.20	54.50	55.70	55.60	56.20
SVE-11															
Total VOCs	PPMv	12.3	31.1	7.6	--	1.9	2.00	3.30	49.60	0.40	0.30	1.50	1.00	1.50	1.20
Vacuum	in. H2O	67.5	77.7	69.3	54.3	51.1	53.50	53.70	59.60	57.30	58.20	53.90	51.10	55.40	55.90
SVE-12															
Total VOCs	PPMv	15.2	46.1	5.0	--	2.1	1.70	2.00	1.10	0.20	0.90	1.10	0.00	0.10	0.40
Vacuum	in. H2O	67.6	77.7	69.3	54.3	50.9	54.00	54.00	60.60	57.60	58.40	54.00	53.80	55.40	55.90
SVE-13															
Total VOCs	PPMv	4.2	50.2	9.0	--	0.4	0.40	2.50	--	--	--	--	--	0.40	0.20
Vacuum	in. H2O	67.8	77.6	69.3	54.1	50.5	53.30	53.80	--	--	--	--	--	55.50	55.80
SVE-14															
Total VOCs	PPMv	4.5	1.2	1.3	--	--	--	--	--	--	--	--	--	0.60	0.40
Vacuum	in. H2O	67.7	77.8	69.5	--	--	--	--	--	--	--	--	--	55.40	56.30
SVE-15															
Total VOCs	PPMv	2.5	34.2	8.1	--	5.1	3.80	1.90	1.40	0.60	0.50	0.60	0.50	1.00	0.80
Vacuum	in. H2O	67.6	77.8	69.5	54.4	51.3	53.20	54.00	60.10	57.70	58.30	54.30	51.90	55.30	56.10
SVE-16															
Total VOCs	PPMv	127.1	121.7	55.3	--	56.7	53.60	66.60	58.50	11.20	21.60	8.60	7.10	1.10	0.90
Vacuum	in. H2O	67.5	77.8	69.5	54.1	51.2	361.00	54.20	59.70	57.80	58.30	54.20	57.80	55.40	55.90

Table 2
SVE Well Field Measurements
6701 - 6707 Shellmound Street
Emeryville, California

	Units	11/9/2016	11/15/2016	11/22/2016	12/1/2016	12/5/2016	12/13/2016	12/20/2016	12/27/2016	1/18/2017	1/24/2017	2/2/2017	2/9/2017	2/18/2017	2/25/2017
SVE-17															
Total VOCs	PPMv	15.2	32.1	8.9	--	5.4	32.50	6.80	4.30	0.60	1.20	0.80	0.70	1.00	0.80
Vacuum	in. H2O	67.8	77.9	69.4	54.2	51.2	53.30	53.10	60.80	57.80	58.30	54.20	57.90	55.40	56.10
SVE-18															
Total VOCs	PPMv	8.5	60.3	7.9	--	6.9	0.20	1.60	63.90	0.00	0.20	0.50	1.30	1.50	1.80
Vacuum	in. H2O	67.7	77.6	69.2	54.2	51.3	53.40	54.00	59.60	58.00	58.30	54.20	53.80	55.40	55.90
SVE-19															
Total VOCs	PPMv	8.3	83.9	4.7	--	1.9	0.50	1.30	74.00	0.30	0.20	0.80	1.00	1.70	0.70
Vacuum	in. H2O	67.5	77.6	69.3	54.2	51.3	53.60	54.00	60.80	57.80	58.30	54.10	52.70	55.50	55.90

Note:

SVE = Soil vapor extraction

PID = Photoionization Detector

-- = Not measured

PPMv = parts per million by volume

in. H2O = inches of water

Table 3
Summary of Laboratory Analytical Results for Vapor Samples
Soil Vapor Extraction System
6701, 6705, and 6707 Shellmound Street, Emeryville, California

Sample Location	Sample ID	Date	Screened Interval (feet bgs)	PCE (µg/m³)	TCE (µg/m³)	cis-1,2-DCE (µg/m³)	trans-1,2-DCE (µg/m³)	Vinyl chloride (µg/m³)	1,1,1-TCA (µg/m³)	1,1,2,2-PCA (µg/m³)	MEK (µg/m³)	MIBK (µg/m³)	Acetone (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	m,p-Xylene (µg/m³)	o-Xylene (µg/m³)	1,2,4-TMB (µg/m³)	1,3,5-TMB (µg/m³)	1,3-DCB (µg/m³)	4-Ethyltoluene (µg/m³)	Carbon disulfide (µg/m³)	Chloroform (µg/m³)	Other VOCs (µg/m³)		
SVE Wells																											
SVE-1	SVE-1	7/13/2016	5 to 10	< 140	< 180	< 110	< 110	3,400	< 110	< 180	< 160	< 110	< 790	< 85	< 100	< 120	< 230	< 120	< 260	< 130	< 160	< 130	< 170	< 98	150 (1,1-DCE) 2.6 (Dichlorodifluoromethane)		
	SVE-1	7/14/2016	5 to 10	< 1600	< 2000	3,500	1,900	40,000	< 1200	< 2000	< 1700	< 1200	< 8600	< 930	< 1100	< 1300	< 2500	< 1300	< 2900	< 1400	< 1800	< 1400	< 1800	< 1100			
	SVE-1-103116	10/31/2016	5 to 10	120	< 180	670	270	16,000	< 74	< 120	10,000	< 75	7,700	130	66	< 79	< 160	< 79	< 180	< 89	< 110	< 89	< 110	< 67			
	SVE-1	12/2/2016	5 to 10	150	< 180	7,900	3,400	6,200	< 110	< 180	< 150	< 110	< 770	240	< 98	< 110	< 230	190	< 260	190	< 160	< 130	270	< 95			
SVE-1	SVE-1	1/16/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 3.1	3.5	< 1.6	61	2.2	9.3	6.0	21	6.0	< 3.9	< 2	< 2	< 2.5	< 1.5			
SVE-2	SVE-2-103116	10/31/2016	5 to 10	< 26	< 33	< 19	< 19	20	< 20	< 34	2,400	< 20	1,700	41	< 18	< 21	< 42	< 21	< 48	< 24	< 29	< 24	< 30	< 18	2.8 (Methylene chloride), 2.7 (Trichlorofluoromethane), 1.7		
	SVE-2	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	5.2	2.2	17	1.9	3.3	< 1.7	4.7	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-3	SVE-3-103116	10/31/2016	4 to 9	< 16	< 21	14	< 12	40	< 13	< 21	280	< 13	190	290	240	92	770	130	110	53	< 18	27	190	< 11	19 (Naphthalene) 2.8 (Methylene chloride)		
	SVE-3	12/2/2016	4 to 9	< 5.2	< 6.6	12	< 3.9	< 2.5	< 4	< 6.7	7.0	< 4	< 29	21	11	10	110	18	20	10	< 5.8	< 4.8	240	< 3.6			
	SVE-3	2/9/2017	4 to 9	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	3.9	< 1.6	13	1.5	2.9	< 1.7	3.9	< 1.7	< 3.9	< 2	< 2.4	< 2	3.3	< 1.5			
SVE-4	SVE-4-103116	10/31/2016	5 to 10	18	< 12	51	12	170	< 7.1	< 12	290	< 7.1	360	67	12	8.3	27	10	< 17	< 8.5	< 10	< 8.5	240	< 6.3	21 (1,2-DCB) 2.3 (Dichlorodifluoromethane) 2.7 (Methylene chloride)		
	SVE-4	1/16/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 3.1	4.1	< 1.6	43	1.7	6.9	4.5	16	4.5	< 3.9	< 2	< 2	< 2.5	< 1.5			
	SVE-4	2/9/2017	5 to 10	< 2.7	< 2.1	15	2.8	1.8	< 1.6	< 2.7	< 2.4	< 1.6	< 12	1.4	2.2	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	60	< 1.5			
SVE-5	SVE-5-103116	10/31/2016	5 to 10	69	< 12	160	23	230	< 7.3	< 12	320	< 7.3	150	170	33	19	110	23	23	15	24	< 8.8	< 11	< 6.6	31 (1,4-DCB) 4.2 (1,1-DCE), 23 (1,4-DCB), 2.3 (Chloromethane) 2.6 (Methylene chloride), 1.9 (Chloromethane)		
	SVE-5	12/2/2016	5 to 10	18	< 2.7	62	7.0	22	< 1.6	< 2.7	< 2.4	< 1.6	< 12	93	17	21	76	32	< 3.9	2.4	15	< 2	79	< 1.5			
	SVE-5	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	4.8	< 1.6	17	< 1.3	3.1	1.7	9.3	3.0	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-6	SVE-6-103116	10/31/2016	5 to 10	< 29	< 36	< 21	< 21	< 14	< 22	< 37	1,400	< 22	600	150	< 20	27	88	52	< 53	< 26	< 32	< 26	< 33	< 20	2.1 (Chloromethane)		
	SVE-6	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	5.8	< 1.6	67	1.5	5.1	2.9	19	6.3	< 3.9	< 2	< 2.4	< 2	2.6	< 1.5			
SVE-7	SVE-7-103116	10/31/2016	5 to 10	< 7.5	< 9.5	< 5.6	< 5.6	40	< 5.7	< 9.6	140	< 5.8	58	< 4.5	< 5.3	< 6.1	< 12	< 6.1	< 14	< 6.9	< 8.4	< 6.9	< 8.7	< 5.1	2 (Dichlorodifluoromethane), 1.7 (Methylene chloride) 2.8 (Methylene chloride)		
	SVE-7	12/2/2016	5 to 10	< 2.1	6.3	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 2.4	< 1.6	< 12	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
	SVE-7	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	3.1	< 2.7	8.7	2.1	16	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-8	SVE-8-103116	10/31/2016	5 to 10	< 2.1	< 2.7	< 1.6	< 1.6	< 1	< 1.6	< 2.7	26	3.0	34	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	17	< 1.5			
SVE-9	SVE-9-103116	10/31/2016	5 to 10	< 22	< 28	38	< 16	340	< 17	< 28	390	< 17	240	160	68	19	120	32	< 40	25	< 25	< 20	26	< 15	2.2 (Dichlorodifluoromethane) 3.4 (Methylene chloride)		
	SVE-9	1/16/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 3.1	2.8	< 1.6	41	1.6	7.5	4.4	16	4.3	< 3.9	< 2	< 2	< 2.5	< 1.5			
	SVE-9	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	5.3	< 1.6	21	7.0	4.8	< 1.7	9.0	2.2	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-10	SVE-10-103116	10/31/2016	5 to 10	< 150	< 180	< 110	< 110	3,900	< 110	< 190	< 160	< 110	< 800	200	< 100	< 120	< 240	< 120	< 270	< 130	< 160	< 130	< 170	< 99	5.4 (1,1-DCE), 2.5 (Dichlorodifluoromethane), 1.7 (Methylene Chloride) 2.9 (Methylene chloride), 2.3 (Trichlorofluoromethane), 2.1 (Chloromethane)		
	SVE-10	12/2/2016	5 to 10	< 15	< 19	110	36	320	< 12	< 20	< 17	< 12	< 85	78	17	< 12	31	< 12	< 28	< 14	< 17	< 14	630	< 11			
	SVE-10	1/16/2017	5 to 10	< 2.7	4.0	15	2.5	38	< 1.6	< 2.7	< 3.1	< 2.4	< 1.6	14	52	15	3.1	19	3.2	< 3.9	< 2	< 2	17	< 1.5			
SVE-10	SVE-10	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 2.4	< 1.6	< 12	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-11	SVE-11-103116	10/31/2016	5 to 10	< 95	< 120	180	< 70	< 45	< 73	< 120	2,300	< 73	3,300	130	< 67	< 77	< 150	< 77	< 170	< 87	< 110	< 87	< 110	< 65	3.4 (Methylene chloride)		
SVE-11	SVE-11	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	9.5	< 1.6	< 2.7	3.8	< 1.6	12	2.3	2.0	< 1.7	3.8	2.2	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			

Table 3
Summary of Laboratory Analytical Results for Vapor Samples
Soil Vapor Extraction System
6701, 6705, and 6707 Shellmound Street, Emeryville, California

Sample Location	Sample ID	Date	Screened Interval (feet bgs)	PCE (µg/m³)	TCE (µg/m³)	cis-1,2-DCE (µg/m³)	trans-1,2-DCE (µg/m³)	Vinyl chloride (µg/m³)	1,1,1-TCA (µg/m³)	1,1,2,2-PCA (µg/m³)	MEK (µg/m³)	MIBK (µg/m³)	Acetone (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	m,p-Xylene (µg/m³)	o-Xylene (µg/m³)	1,2,4-TMB (µg/m³)	1,3,5-TMB (µg/m³)	1,3-DCB (µg/m³)	4-Ethyltoluene (µg/m³)	Carbon disulfide (µg/m³)	Chloroform (µg/m³)	Other VOCs (µg/m³)		
SVE-12	SVE-12-103116	10/31/2016	5 to 10	< 1300	< 1600	18,000	27,000	62,000	< 970	< 1600	< 1400	< 970	< 7000	< 760	< 890	< 1000	< 2100	< 1000	< 2300	< 1200	< 1400	< 1200	< 1500	< 870	2900 (1,1-DCE) 2 (Dichlorodifluoromethane) 2.4 (Dichlorodifluoromethane) 3.6 (Methylene chloride)		
	SVE-12	12/2/2016	5 to 10	2.2	< 2.7	32	10	52	< 1.6	< 2.7	< 2.4	< 1.6	< 12	5.0	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	53	< 1.5			
	SVE-12	1/16/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 3.1	3.2	< 1.6	40	1.6	6.9	4.8	17	4.9	< 3.9	< 2	< 2	< 2.5	< 1.5			
	SVE-12	2/9/2017	5 to 10	< 2.7	< 2.7	< 1.6	< 1.6	< 1	< 1.6	< 2.7	3.5	< 1.6	18	1.5	3.7	< 1.7	4.8	1.9	< 3.9	< 2	< 2.4	< 2	2.9	< 1.5			
SVE-13	SVE-13-103116	10/31/2016	5 to 10	< 54	< 68	160	< 40	1,600	< 41	< 69	660	< 41	330	42	< 38	< 44	< 88	< 44	< 99	< 50	< 61	< 50	< 63	< 37	2.8 (Methylene chloride), 2 (Chloromethane)		
	SVE-13	12/2/2016	5 to 10	< 2.1	< 2.7	1.8	< 1.6	< 1	< 1.6	< 2.7	3.3	< 1.6	< 12	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
	SVE-13	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	4.8	< 1.6	22	< 1.3	2.8	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-14	SVE-14-103116	10/31/2016	5 to 10	< 20	< 25	49	< 15	24	< 15	< 25	790	< 15	330	21	< 14	< 16	< 32	< 16	< 36	< 18	< 22	< 18	< 23	< 14	5.1 (Methylene chloride), 2.1 (Chloromethane)		
	SVE-14	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	13	< 1.6	28	1.8	4.7	< 1.7	5.1	2.1	< 3.9	< 2	< 2.4	< 2	6.1	< 1.5			
SVE-15	SVE-15-103116	10/31/2016	5 to 10	< 360	< 460	< 270	< 270	11,000	< 280	< 460	1,100	< 280	< 2000	< 210	< 250	< 290	< 580	< 290	< 660	< 330	< 400	< 330	< 420	< 250	2.4 (Dichlorodifluoromethane) 4.9 (Methylene chloride), 1.9 (Chloromethane)		
	SVE-15	12/2/2016	5 to 10	< 52	< 66	< 38	< 38	< 25	< 40	< 66	94	< 40	< 290	< 31	< 36	< 42	< 84	< 42	< 95	< 48	< 58	< 48	< 60	< 35			
	SVE-15	1/16/2017	5 to 10	< 2.7	< 2.1	3.6	< 1.6	7.6	< 1.6	< 2.7	< 3.1	50	< 1.6	< 1.6	54	2.2	8.9	6.2	25	7.8	< 3.9	< 2	< 2.5	< 1.5			
	SVE-15	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	7.0	< 1.6	21	2.1	5.6	< 1.7	6.6	2.8	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-16	SVE-16-103116	10/31/2016	5 to 10	< 7400	< 9400	130,000	45,000	410,000	< 5700	< 9500	< 8200	< 5700	< 41000	< 4400	< 5200	< 6000	< 12000	< 6000	< 14000	< 6800	< 8300	< 6800	< 8600	< 5100	4 (Methylene chloride), 2.1 (Chloromethane)		
	SVE-16	12/2/2016	5 to 10	< 890	< 1100	71,000	19,000	30,000	< 680	< 1100	< 980	< 680	< 4900	< 530	< 620	< 720	< 1400	< 720	< 1600	< 810	< 1000	< 810	< 1000	< 610			
	SVE-16	1/16/2017	5 to 10	< 860	< 680	33,000	6,200	3,000	< 520	< 870	< 970	< 750	< 520	< 3800	< 410	< 480	< 550	< 1100	< 550	< 1200	< 620	< 620	< 790	< 460			
	SVE-16	2/9/2017	5 to 10	< 2.7	< 2.1	360	74	34	< 1.6	< 2.7	7.4	< 1.6	29	2.2	4.0	< 1.7	5.3	2.1	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-17	SVE-17-103116	10/31/2016	5 to 10	< 500	< 630	1,300	2,200	14,000	< 380	< 640	680	< 380	< 2800	< 300	< 350	< 410	< 810	< 410	< 920	950	< 560	< 460	< 580	< 340	1.4 (Methylene chloride) 2.5 (Dichlorodifluoromethane) 3.8 (Methylene chloride)		
	SVE-17	12/2/2016	5 to 10	< 2.1	< 2.7	< 1.6	1.7	52	< 1.6	< 2.7	3.7	< 1.6	15	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	3.4	< 1.5			
	SVE-17	1/16/2017	5 to 10	< 2.7	< 2.1	8.8	2.1	9.3	< 1.6	< 2.7	< 3.1	3.4	< 1.6	45	1.5	10	7.0	21	5.4	< 3.9	< 2	< 2	< 2.5	< 1.5			
	SVE-17	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	5.4	< 1.6	19	1.5	3.9	< 1.7	4.4	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-18	SVE-18-103116	10/31/2016	5 to 10	< 680	< 860	< 500	< 500	52,000	< 520	< 870	< 750	< 520	< 3800	880	< 480	< 550	< 1100	< 550	< 1200	< 620	< 760	< 620	< 790	< 460	2.5 (Dichlorodifluoromethane) 3.3 (Methylene chloride), 1.7 (Chloromethane)		
	SVE-18	12/2/2016	5 to 10	< 7.4	< 9.4	6.4	10	710	< 5.6	< 9.5	< 8.1	< 5.7	< 41	8.3	< 5.2	< 6	< 12	< 6	< 14	< 6.8	< 8.3	< 6.8	< 8.6	< 5.1			
	SVE-18	1/16/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 3.1	16	< 1.6	35	1.5	6.2	4.4	16	4.6	< 3.9	< 2	< 2	< 2.5	< 1.5			
	SVE-18	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	3.9	< 1.6	20	1.4	3.4	< 1.7	4.0	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5			
SVE-19	SVE-19-103116	10/31/2016	5 to 10	< 99	< 130	< 73	< 73	< 47	< 76	< 130	4,200	< 76	1,400	< 59	< 70	< 80	< 160	< 80	< 180	< 91	< 110	< 91	< 120	< 68	2.1 (Chloromethane)		
	SVE-19	2/9/2017	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	3.6	< 1.6	< 12	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	8.2	< 1.5			
Soil Vapor Monitoring Probes																											
SVP-1-7.5	SVP-1-7.5	7/12/2016	7.5	< 250	< 250	250	< 180	13,000	< 190	< 310	< 270	< 190	< 1400	250	< 170	< 200	< 400	< 200	< 450	< 220	< 270	< 220	< 280	< 170			
SVP-2-3.5	SVP-2-3.5	7/12/2016	3.5	< 17	< 17	< 12	< 12	920	< 13	< 21	< 18	< 13	< 92	28	31	14	55	23	< 31	< 15	< 19	< 15	83	78			
SVP-2-7.5	SVP-2-7.5	7/12/2016	7.5	< 1300	< 1300	< 990	< 990	75,000	< 1000	< 1700	< 1500	< 1000	< 7400	< 800	< 950	< 1100	< 2200	< 1100	< 2500	< 1200	< 1500	< 1200	< 1600	< 920			
SVP-3-7.5	SVP-3-7.5	7/12/2016	7.5	< 38	< 38	< 28	< 28	2,400	< 29	< 49	57	< 29	260	310	170	< 31	< 61	< 31	< 70	< 35	< 43	< 35	130	< 26			

Table 3
Summary of Laboratory Analytical Results for Vapor Samples
Soil Vapor Extraction System
6701, 6705, and 6707 Shellmound Street, Emeryville, California

Sample Location	Sample ID	Date	Screened Interval (feet bgs)	PCE (µg/m³)	TCE (µg/m³)	cis-1,2-DCE (µg/m³)	trans-1,2-DCE (µg/m³)	Vinyl chloride (µg/m³)	1,1,1-TCA (µg/m³)	1,1,2,2-PCA (µg/m³)	MEK (µg/m³)	MIBK (µg/m³)	Acetone (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	m,p-Xylene (µg/m³)	o-Xylene (µg/m³)	1,2,4-TMB (µg/m³)	1,3,5-TMB (µg/m³)	1,3-DCB (µg/m³)	4-Ethyltoluene (µg/m³)	Carbon disulfide (µg/m³)	Chloroform (µg/m³)	Other VOCs (µg/m³)	
SVP-4-3.5	SVP-4-3.5	7/12/2016	3.5	6.9	6.9	< 1.6	< 1.6	< 1	9.5	4.8	19	11	44	19	18	23	120	54	17	8.7	< 2.4	3.9	3.1	57	2.0 (BDCM), 2.4 (Freon 12), 1.5 (MC), 2.6 (Freon 11)	
SVP-4-7.5	SVP-4-7.5	7/12/2016	7.5	19	19	57	9.1	180	< 4.5	< 7.6	23	< 4.5	84	230	59	21	210	24	20	10	59	< 5.4	20	< 4.1	72 (1,4-DCB), 23 (NAPH)	
SVP-5-7.5	SVP-5-7.5	7/12/2016	7.5	< 510	< 510	< 370	< 370	22,000	< 390	< 650	< 560	< 390	< 2800	490	< 360	< 410	< 820	< 410	< 930	< 460	< 570	< 460	< 590	< 350		
SVP-6-3.5	SVP-6-3.5	7/12/2016	3.5	< 1700	< 1700	14,000	6,100	100,000	< 1300	< 2200	< 1900	< 1300	< 9600	< 1000	< 1200	< 1400	< 2800	< 1400	< 3200	< 1600	< 2000	< 1600	< 2000	< 1200		
SVP-6-7.5	SVP-6-7.5	7/12/2016	7.5	< 1800	< 1800	16,000	6,300	98,000	< 1400	< 2300	< 2000	< 1400	< 10000	< 1100	< 1300	< 1500	< 3000	< 1500	< 3400	< 1700	< 2000	< 1700	< 2100	< 1200		
<i>Residential Land Use ESL¹</i>				240	240	4,200	31,000	4.7	520,000	24	2,600,000	1,600,000	16,000,000	48	160,000	560	52,000	52,000	NE	NE	NE	NE	61	NE	Varies	
<i>Commercial/Industrial Land Use ESL²</i>				3,000	3,000	35,000	260,000	160	4,400,000	210	22,000,000	13,000,000	140,000,000	420	1,300,000	4,900	440,000	440,000	NE	NE	NE	NE	530	NE	Varies	
<i>Residential TCL(Target LECR = 10-4)</i>				--	--	11,000	--	4,700	--	11,500	--	--	--	4,600	--	121,300	--	--	--	--	--	--	--	--	--	--
<i>Commercial/Industrial TCL(Target LECR = 10-4)</i>				--	--	92,400	--	41,300	--	101,200	--	--	--	39,200	--	NA	--	--	--	--	--	--	--	--	--	--
<i>Residential TCL(Target LECR = 10-5)</i>				--	--	11,000	--	473	--	1,100	--	--	--	1,400	--	12,100	--	--	--	--	--	--	--	--	--	--
<i>Commercial/Industrial TCL(Target LECR = 10-5)</i>				--	--	92,400	--	4,100	--	10,100	--	--	--	12,600	--	NA	--	--	--	--	--	--	--	--	--	--
<i>Residential TCL(Target LECR = 10-6)</i>				--	--	11,000	--	47	--	116	--	--	--	145	--	1,200	--	--	--	--	--	--	--	--	--	--
<i>Commercial/Industrial TCL(Target LECR = 10-6)</i>				--	--	92,400	--	400	--	1,000	--	--	--	1,200	--	NA	--	--	--	--	--	--	--	--	--	--

Notes:

Detections are shown in bold. Results exceeding residential 10-4 LECR for chemicals with TCLs are shaded; results without TCLs that are equal to or exceeding commercial/industrial ESLs are shaded.

LECR = Lifetime excess cancer risk

Only detected analytes are summarized on table. Refer to Appendix D for laboratory report to access entire list of compounds analyzed.

SVE = Soil vapor extraction

BDCM = Bromodichloromethane

DCB = Dichlorobenzene

DCE = Dichloroethene.

Freon 11 = Trichlorofluoromethane

Freon 12 = Dichlorodifluoromethane

MC = Methylene Chloride

MEK = Methyl Ethyl Ketone

MIBK = Methyl Isobutyl Ketone

NAPH = Naphthalene

PCA = Tetrachloroethane

TCA = Trichloroethane.

TCE = Trichloroethene.

TMB = Trimethylbenzene.

VOCs = Volatile organic compounds.

bgs = Below ground surface.

µg/m³ = Micrograms per cubic meter.






< 2.9 = Not detected at or above the indicated laboratory method reporting limit.

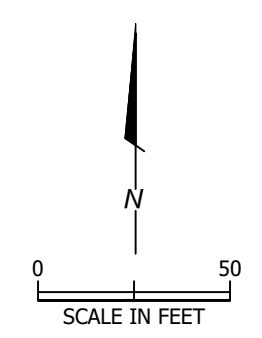
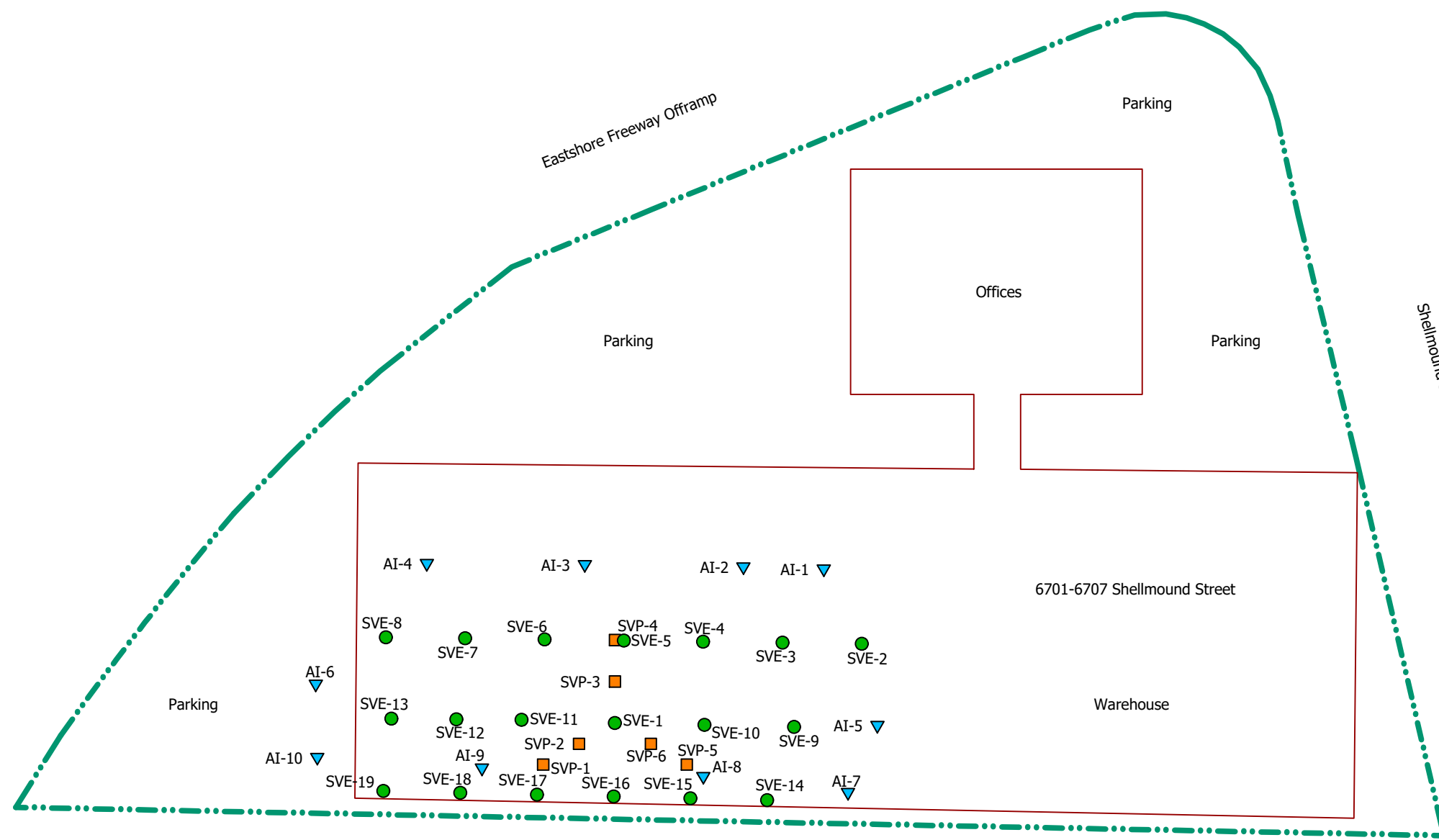
NE = Not established.

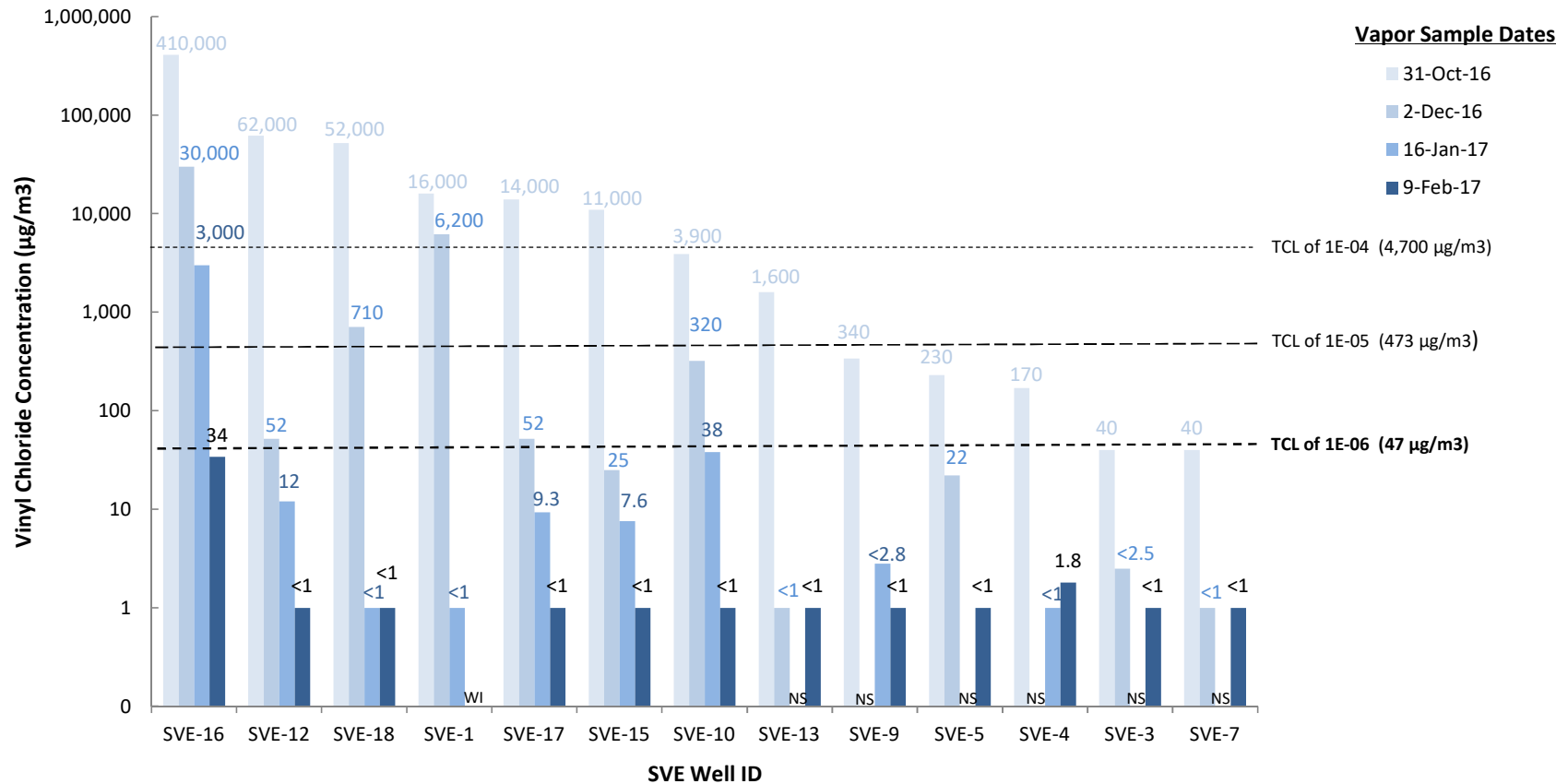
-- = Not applicable/not analyzed.

TCL = Target Cleanup Level for Lifetime Excess Cancer Risk (LECR) presented in Table 40 of the November 2016 Human Health Risk Assessment Report.

PLATES

- Explanation**
-  Approximate Property Boundary
 -  Existing Building Outline
 -  SVE-6 Soil Vapor Extraction (SVE) Well Location
 -  SVP-4 Soil Vapor Monitoring Probe Location
 -  AI-2 Air Inlet Well Location





Notes:

- <1 = Not detected at or above the laboratory reporting limit
- NS = Not sampled
- TCL = Target cleanup level (Table 40 of Human Health Risk Assessment)
- SVE = Soil Vapor Extraction
- WI = Not sampled due to water intrusion in SVE well
- All units presented in micrograms per cubic meter (µg/m3)



PES Environmental, Inc.
Engineering & Environmental Services

Vinyl Chloride Concentrations in SVE Wells
6701, 6705, and 6707 Shellmound Street
Emeryville, California

PLATE
2

APPENDIX A

**LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY
DOCUMENTATION**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-25697-1

Client Project/Site: 6701 Shellmound St, Emeryville Air

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

Attn: Mr. Chris Baldassari



Authorized for release by:
2/27/2017 4:54:30 PM

Lee Ann Heathcote, Project Manager II
(916)373-5600
leeann.heathcote@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Job ID: 320-25697-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-25697-1

Receipt

The samples were received on 2/11/2017 9:15 AM; the samples arrived in good condition.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished by the shipper.

Air - GC/MS VOA

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

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Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-14

Lab Sample ID: 320-25697-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.58		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	4.5		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.0		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	1.0		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.5		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	1.2		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.2		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.48		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		12		ug/m3	1		TO-15	Total/NA
Benzene	1.8		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	13		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	6.1		2.5		ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	5.1		1.4		ug/m3	1		TO-15	Total/NA
Toluene	4.7		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	5.1		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.1		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-15

Lab Sample ID: 320-25697-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.65		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	2.4		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.91		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.4		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.5		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.65		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		12		ug/m3	1		TO-15	Total/NA
Benzene	2.1		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	7.0		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	1.9		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	4.9		1.4		ug/m3	1		TO-15	Total/NA
Toluene	5.6		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	6.6		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.8		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-16

Lab Sample ID: 320-25697-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.68		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	2.5		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	1.0		0.80		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	19		0.40		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.2		0.40		ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-16 (Continued)

Lab Sample ID: 320-25697-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.1		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	13		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.2		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.48		0.40		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	90		1.2		ppb v/v	3.05		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		12		ug/m3	1		TO-15	Total/NA
Benzene	2.2		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	7.4		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.7		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	74		1.6		ug/m3	1		TO-15	Total/NA
Methylene Chloride	4.0		1.4		ug/m3	1		TO-15	Total/NA
Toluene	4.0		1.5		ug/m3	1		TO-15	Total/NA
Vinyl chloride	34		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	5.3		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.1		1.7		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	360		4.8		ug/m3	3.05		TO-15	Total/NA

Client Sample ID: SVE-17

Lab Sample ID: 320-25697-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.48		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.8		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.1		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	1.0		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.0		0.80		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19		12		ug/m3	1		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	5.4		2.4		ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.8		1.4		ug/m3	1		TO-15	Total/NA
Toluene	3.9		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.4		3.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-18

Lab Sample ID: 320-25697-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.4		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.44		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.3		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.82		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.94		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.89		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.93		0.80		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20		12		ug/m3	1		TO-15	Total/NA
Benzene	1.4		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	3.9		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	1.7		1.7		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-18 (Continued)

Lab Sample ID: 320-25697-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3		1.4		ug/m3	1		TO-15	Total/NA
Toluene	3.4		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.0		3.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-19

Lab Sample ID: 320-25697-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.2		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.6		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	1.0		0.80		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.6		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	8.2		2.5		ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-13

Lab Sample ID: 320-25697-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.1		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.6		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.96		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.81		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.74		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	22		12		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.8		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	2.0		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.8		1.4		ug/m3	1		TO-15	Total/NA
Toluene	2.8		1.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-12

Lab Sample ID: 320-25697-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.46		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.2		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.94		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.0		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.98		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.1		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.43		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		12		ug/m3	1		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	3.5		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.9		2.5		ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.6		1.4		ug/m3	1		TO-15	Total/NA
Toluene	3.7		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.8		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	1.9		1.7		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-11

Lab Sample ID: 320-25697-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.73		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.3		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.97		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.54		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	3.7		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.89		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.50		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		12		ug/m3	1		TO-15	Total/NA
Benzene	2.3		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	3.8		2.4		ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.4		1.4		ug/m3	1		TO-15	Total/NA
Toluene	2.0		1.5		ug/m3	1		TO-15	Total/NA
Vinyl chloride	9.5		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.8		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.2		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-10

Lab Sample ID: 320-25697-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.0		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.82		0.40		ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.42		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	2.1		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.9		1.4		ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.3		2.2		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-9

Lab Sample ID: 320-25697-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	2.2		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.8		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.99		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	1.3		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.1		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.51		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		12		ug/m3	1		TO-15	Total/NA
Benzene	7.0		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	5.3		2.4		ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.4		1.4		ug/m3	1		TO-15	Total/NA
Toluene	4.8		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	9.0		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.2		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-INFLUENT

Lab Sample ID: 320-25697-12

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-INFLUENT (Continued)

Lab Sample ID: 320-25697-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.50		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.6		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.8		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.2		0.40		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.74		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.76		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	1.8		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.1		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.41		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		12		ug/m3	1		TO-15	Total/NA
Benzene	1.6		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.8		2.4		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	23		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	4.7		1.6		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.6		1.4		ug/m3	1		TO-15	Total/NA
Toluene	2.9		1.5		ug/m3	1		TO-15	Total/NA
Vinyl chloride	4.6		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.7		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	1.8		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-2

Lab Sample ID: 320-25697-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.0		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.59		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.7		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.82		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.80		0.40		ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	0.53		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.88		0.40		ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.40		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.1		0.80		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		12		ug/m3	1		TO-15	Total/NA
Benzene	1.9		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	5.2		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	1.7		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.8		1.4		ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	2.2		1.6		ug/m3	1		TO-15	Total/NA
Toluene	3.3		1.5		ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.2		2.2		ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.7		3.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-3

Lab Sample ID: 320-25697-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.48		0.40		ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-3 (Continued)

Lab Sample ID: 320-25697-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.3		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.1		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.80		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.76		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.90		0.80		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		12		ug/m3	1		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	3.9		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.3		2.5		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.8		1.4		ug/m3	1		TO-15	Total/NA
Toluene	2.9		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.9		3.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-4

Lab Sample ID: 320-25697-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45		0.40		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	19		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	3.7		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.70		0.40		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.78		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.59		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.70		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.3		ug/m3	1		TO-15	Total/NA
Carbon disulfide	60		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	15		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	2.8		1.6		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.7		1.4		ug/m3	1		TO-15	Total/NA
Toluene	2.2		1.5		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.8		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-5

Lab Sample ID: 320-25697-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.6		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.91		0.80		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.40		0.40		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.74		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.81		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.1		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.68		0.40		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		12		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.8		2.4		ug/m3	1		TO-15	Total/NA
Chloromethane	1.9		1.7		ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.7		1.7		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.6		1.4		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-5 (Continued)

Lab Sample ID: 320-25697-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	3.1		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	9.3		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	3.0		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-6

Lab Sample ID: 320-25697-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.48		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	2.0		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.84		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.99		0.80		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.67		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	1.4		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	4.5		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	1.5		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	67		12		ug/m3	1		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	5.8		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.6		2.5		ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.7		ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.9		1.7		ug/m3	1		TO-15	Total/NA
Toluene	5.1		1.5		ug/m3	1		TO-15	Total/NA
m,p-Xylene	19		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	6.3		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-7

Lab Sample ID: 320-25697-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.7		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	2.9		0.80		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.82		0.40		ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	0.51		0.40		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.57		0.30		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		12		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	8.7		2.4		ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.8		1.4		ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	2.1		1.6		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.1		1.6		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-14

Lab Sample ID: 320-25697-1

Date Collected: 02/09/17 11:45

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		5.0		ppb v/v			02/21/17 17:54	1
Benzene	0.58		0.40		ppb v/v			02/21/17 17:54	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 17:54	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 17:54	1
Bromoform	ND		0.40		ppb v/v			02/21/17 17:54	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 17:54	1
2-Butanone (MEK)	4.5		0.80		ppb v/v			02/21/17 17:54	1
Carbon disulfide	2.0		0.80		ppb v/v			02/21/17 17:54	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 17:54	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 17:54	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 17:54	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 17:54	1
Chloroform	ND		0.30		ppb v/v			02/21/17 17:54	1
Chloromethane	1.0		0.80		ppb v/v			02/21/17 17:54	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 17:54	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 17:54	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 17:54	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 17:54	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 17:54	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 17:54	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 17:54	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 17:54	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 17:54	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 17:54	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 17:54	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 17:54	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 17:54	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 17:54	1
Methylene Chloride	1.5		0.40		ppb v/v			02/21/17 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 17:54	1
Styrene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 17:54	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 17:54	1
Toluene	1.2		0.40		ppb v/v			02/21/17 17:54	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 17:54	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 17:54	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 17:54	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 17:54	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 17:54	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 17:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 17:54	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 17:54	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 17:54	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 17:54	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-14

Lab Sample ID: 320-25697-1

Date Collected: 02/09/17 11:45

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 17:54	1
m,p-Xylene	1.2		0.80		ppb v/v			02/21/17 17:54	1
o-Xylene	0.48		0.40		ppb v/v			02/21/17 17:54	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 17:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	28		12		ug/m3			02/21/17 17:54	1
Benzene	1.8		1.3		ug/m3			02/21/17 17:54	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 17:54	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 17:54	1
Bromoform	ND		4.1		ug/m3			02/21/17 17:54	1
Bromomethane	ND		3.1		ug/m3			02/21/17 17:54	1
2-Butanone (MEK)	13		2.4		ug/m3			02/21/17 17:54	1
Carbon disulfide	6.1		2.5		ug/m3			02/21/17 17:54	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 17:54	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 17:54	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 17:54	1
Chloroethane	ND		2.1		ug/m3			02/21/17 17:54	1
Chloroform	ND		1.5		ug/m3			02/21/17 17:54	1
Chloromethane	2.1		1.7		ug/m3			02/21/17 17:54	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 17:54	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 17:54	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 17:54	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 17:54	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 17:54	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 17:54	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 17:54	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 17:54	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 17:54	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 17:54	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 17:54	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 17:54	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 17:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 17:54	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 17:54	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 17:54	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 17:54	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 17:54	1
Methylene Chloride	5.1		1.4		ug/m3			02/21/17 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 17:54	1
Styrene	ND		1.7		ug/m3			02/21/17 17:54	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 17:54	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 17:54	1
Toluene	4.7		1.5		ug/m3			02/21/17 17:54	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 17:54	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 17:54	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 17:54	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 17:54	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 17:54	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-14

Lab Sample ID: 320-25697-1

Date Collected: 02/09/17 11:45

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 17:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 17:54	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 17:54	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 17:54	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 17:54	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 17:54	1
m,p-Xylene	5.1		3.5		ug/m3			02/21/17 17:54	1
o-Xylene	2.1		1.7		ug/m3			02/21/17 17:54	1
Naphthalene	ND		4.2		ug/m3			02/21/17 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130					02/21/17 17:54	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					02/21/17 17:54	1
Toluene-d8 (Surr)	101		70 - 130					02/21/17 17:54	1

Client Sample ID: SVE-15

Lab Sample ID: 320-25697-2

Date Collected: 02/09/17 11:46

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.7		5.0		ppb v/v			02/21/17 18:51	1
Benzene	0.65		0.40		ppb v/v			02/21/17 18:51	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 18:51	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 18:51	1
Bromoform	ND		0.40		ppb v/v			02/21/17 18:51	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 18:51	1
2-Butanone (MEK)	2.4		0.80		ppb v/v			02/21/17 18:51	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 18:51	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 18:51	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 18:51	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 18:51	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 18:51	1
Chloroform	ND		0.30		ppb v/v			02/21/17 18:51	1
Chloromethane	0.91		0.80		ppb v/v			02/21/17 18:51	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 18:51	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 18:51	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 18:51	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 18:51	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 18:51	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 18:51	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 18:51	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 18:51	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 18:51	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 18:51	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 18:51	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 18:51	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 18:51	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-15

Lab Sample ID: 320-25697-2

Date Collected: 02/09/17 11:46

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 18:51	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 18:51	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 18:51	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 18:51	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 18:51	1
Methylene Chloride	1.4		0.40		ppb v/v			02/21/17 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 18:51	1
Styrene	ND		0.40		ppb v/v			02/21/17 18:51	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 18:51	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 18:51	1
Toluene	1.5		0.40		ppb v/v			02/21/17 18:51	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 18:51	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 18:51	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 18:51	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 18:51	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 18:51	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 18:51	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 18:51	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 18:51	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 18:51	1
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 18:51	1
m,p-Xylene	1.5		0.80		ppb v/v			02/21/17 18:51	1
o-Xylene	0.65		0.40		ppb v/v			02/21/17 18:51	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 18:51	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		12		ug/m3			02/21/17 18:51	1
Benzene	2.1		1.3		ug/m3			02/21/17 18:51	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 18:51	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 18:51	1
Bromoform	ND		4.1		ug/m3			02/21/17 18:51	1
Bromomethane	ND		3.1		ug/m3			02/21/17 18:51	1
2-Butanone (MEK)	7.0		2.4		ug/m3			02/21/17 18:51	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 18:51	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 18:51	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 18:51	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 18:51	1
Chloroethane	ND		2.1		ug/m3			02/21/17 18:51	1
Chloroform	ND		1.5		ug/m3			02/21/17 18:51	1
Chloromethane	1.9		1.7		ug/m3			02/21/17 18:51	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 18:51	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 18:51	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 18:51	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 18:51	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 18:51	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 18:51	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 18:51	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 18:51	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-15

Lab Sample ID: 320-25697-2

Date Collected: 02/09/17 11:46

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 18:51	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 18:51	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 18:51	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 18:51	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 18:51	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 18:51	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 18:51	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 18:51	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 18:51	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 18:51	1
Methylene Chloride	4.9		1.4		ug/m3			02/21/17 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 18:51	1
Styrene	ND		1.7		ug/m3			02/21/17 18:51	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 18:51	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 18:51	1
Toluene	5.6		1.5		ug/m3			02/21/17 18:51	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 18:51	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 18:51	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 18:51	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 18:51	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 18:51	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 18:51	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 18:51	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 18:51	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 18:51	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 18:51	1
m,p-Xylene	6.6		3.5		ug/m3			02/21/17 18:51	1
o-Xylene	2.8		1.7		ug/m3			02/21/17 18:51	1
Naphthalene	ND		4.2		ug/m3			02/21/17 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		02/21/17 18:51	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		02/21/17 18:51	1
Toluene-d8 (Surr)	106		70 - 130		02/21/17 18:51	1

Client Sample ID: SVE-16

Lab Sample ID: 320-25697-3

Date Collected: 02/09/17 12:05

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		5.0		ppb v/v			02/21/17 19:48	1
Benzene	0.68		0.40		ppb v/v			02/21/17 19:48	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 19:48	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 19:48	1
Bromoform	ND		0.40		ppb v/v			02/21/17 19:48	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 19:48	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-16

Lab Sample ID: 320-25697-3

Date Collected: 02/09/17 12:05

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	2.5		0.80		ppb v/v			02/21/17 19:48	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 19:48	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 19:48	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 19:48	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 19:48	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 19:48	1
Chloroform	ND		0.30		ppb v/v			02/21/17 19:48	1
Chloromethane	1.0		0.80		ppb v/v			02/21/17 19:48	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 19:48	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 19:48	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 19:48	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 19:48	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 19:48	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 19:48	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 19:48	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 19:48	1
trans-1,2-Dichloroethene	19		0.40		ppb v/v			02/21/17 19:48	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 19:48	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 19:48	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 19:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 19:48	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 19:48	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 19:48	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 19:48	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 19:48	1
Methylene Chloride	1.2		0.40		ppb v/v			02/21/17 19:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 19:48	1
Styrene	ND		0.40		ppb v/v			02/21/17 19:48	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 19:48	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 19:48	1
Toluene	1.1		0.40		ppb v/v			02/21/17 19:48	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 19:48	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 19:48	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 19:48	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 19:48	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 19:48	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 19:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 19:48	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 19:48	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 19:48	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 19:48	1
Vinyl chloride	13		0.40		ppb v/v			02/21/17 19:48	1
m,p-Xylene	1.2		0.80		ppb v/v			02/21/17 19:48	1
o-Xylene	0.48		0.40		ppb v/v			02/21/17 19:48	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 19:48	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	29		12		ug/m3			02/21/17 19:48	1
Benzene	2.2		1.3		ug/m3			02/21/17 19:48	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-16

Lab Sample ID: 320-25697-3

Date Collected: 02/09/17 12:05

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		4.1		ug/m3			02/21/17 19:48	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 19:48	1
Bromoform	ND		4.1		ug/m3			02/21/17 19:48	1
Bromomethane	ND		3.1		ug/m3			02/21/17 19:48	1
2-Butanone (MEK)	7.4		2.4		ug/m3			02/21/17 19:48	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 19:48	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 19:48	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 19:48	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 19:48	1
Chloroethane	ND		2.1		ug/m3			02/21/17 19:48	1
Chloroform	ND		1.5		ug/m3			02/21/17 19:48	1
Chloromethane	2.1		1.7		ug/m3			02/21/17 19:48	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 19:48	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 19:48	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 19:48	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 19:48	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 19:48	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 19:48	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 19:48	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 19:48	1
trans-1,2-Dichloroethene	74		1.6		ug/m3			02/21/17 19:48	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 19:48	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 19:48	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 19:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 19:48	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 19:48	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 19:48	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 19:48	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 19:48	1
Methylene Chloride	4.0		1.4		ug/m3			02/21/17 19:48	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 19:48	1
Styrene	ND		1.7		ug/m3			02/21/17 19:48	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 19:48	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 19:48	1
Toluene	4.0		1.5		ug/m3			02/21/17 19:48	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 19:48	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 19:48	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 19:48	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 19:48	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 19:48	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 19:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 19:48	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 19:48	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 19:48	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 19:48	1
Vinyl chloride	34		1.0		ug/m3			02/21/17 19:48	1
m,p-Xylene	5.3		3.5		ug/m3			02/21/17 19:48	1
o-Xylene	2.1		1.7		ug/m3			02/21/17 19:48	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-16

Date Collected: 02/09/17 12:05

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.2		ug/m3			02/21/17 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					02/21/17 19:48	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					02/21/17 19:48	1
Toluene-d8 (Surr)	102		70 - 130					02/21/17 19:48	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	90		1.2		ppb v/v			02/22/17 22:04	3.05
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	360		4.8		ug/m3			02/22/17 22:04	3.05
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					02/22/17 22:04	3.05
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					02/22/17 22:04	3.05
Toluene-d8 (Surr)	92		70 - 130					02/22/17 22:04	3.05

Client Sample ID: SVE-17

Date Collected: 02/09/17 12:06

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.9		5.0		ppb v/v			02/21/17 20:45	1
Benzene	0.48		0.40		ppb v/v			02/21/17 20:45	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 20:45	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 20:45	1
Bromoform	ND		0.40		ppb v/v			02/21/17 20:45	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 20:45	1
2-Butanone (MEK)	1.8		0.80		ppb v/v			02/21/17 20:45	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 20:45	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 20:45	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 20:45	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 20:45	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 20:45	1
Chloroform	ND		0.30		ppb v/v			02/21/17 20:45	1
Chloromethane	ND		0.80		ppb v/v			02/21/17 20:45	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 20:45	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 20:45	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 20:45	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 20:45	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 20:45	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 20:45	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 20:45	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 20:45	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 20:45	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 20:45	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-17

Lab Sample ID: 320-25697-4

Date Collected: 02/09/17 12:06

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 20:45	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 20:45	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 20:45	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 20:45	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 20:45	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 20:45	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 20:45	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 20:45	1
Methylene Chloride	1.1		0.40		ppb v/v			02/21/17 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 20:45	1
Styrene	ND		0.40		ppb v/v			02/21/17 20:45	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 20:45	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 20:45	1
Toluene	1.0		0.40		ppb v/v			02/21/17 20:45	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 20:45	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 20:45	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 20:45	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 20:45	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 20:45	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 20:45	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 20:45	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 20:45	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 20:45	1
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 20:45	1
m,p-Xylene	1.0		0.80		ppb v/v			02/21/17 20:45	1
o-Xylene	ND		0.40		ppb v/v			02/21/17 20:45	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 20:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19		12		ug/m3			02/21/17 20:45	1
Benzene	1.5		1.3		ug/m3			02/21/17 20:45	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 20:45	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 20:45	1
Bromoform	ND		4.1		ug/m3			02/21/17 20:45	1
Bromomethane	ND		3.1		ug/m3			02/21/17 20:45	1
2-Butanone (MEK)	5.4		2.4		ug/m3			02/21/17 20:45	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 20:45	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 20:45	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 20:45	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 20:45	1
Chloroethane	ND		2.1		ug/m3			02/21/17 20:45	1
Chloroform	ND		1.5		ug/m3			02/21/17 20:45	1
Chloromethane	ND		1.7		ug/m3			02/21/17 20:45	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 20:45	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 20:45	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 20:45	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 20:45	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 20:45	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-17

Lab Sample ID: 320-25697-4

Date Collected: 02/09/17 12:06

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 20:45	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 20:45	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 20:45	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 20:45	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 20:45	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 20:45	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 20:45	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 20:45	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 20:45	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 20:45	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 20:45	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 20:45	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 20:45	1
Methylene Chloride	3.8		1.4		ug/m3			02/21/17 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 20:45	1
Styrene	ND		1.7		ug/m3			02/21/17 20:45	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 20:45	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 20:45	1
Toluene	3.9		1.5		ug/m3			02/21/17 20:45	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 20:45	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 20:45	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 20:45	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 20:45	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 20:45	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 20:45	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 20:45	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 20:45	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 20:45	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 20:45	1
m,p-Xylene	4.4		3.5		ug/m3			02/21/17 20:45	1
o-Xylene	ND		1.7		ug/m3			02/21/17 20:45	1
Naphthalene	ND		4.2		ug/m3			02/21/17 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130					02/21/17 20:45	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 130					02/21/17 20:45	1
Toluene-d8 (Surr)	102		70 - 130					02/21/17 20:45	1

Client Sample ID: SVE-18

Lab Sample ID: 320-25697-5

Date Collected: 02/09/17 12:07

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.4		5.0		ppb v/v			02/21/17 21:42	1
Benzene	0.44		0.40		ppb v/v			02/21/17 21:42	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 21:42	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-18

Lab Sample ID: 320-25697-5

Date Collected: 02/09/17 12:07

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 21:42	1
Bromoform	ND		0.40		ppb v/v			02/21/17 21:42	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 21:42	1
2-Butanone (MEK)	1.3		0.80		ppb v/v			02/21/17 21:42	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 21:42	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 21:42	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 21:42	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 21:42	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 21:42	1
Chloroform	ND		0.30		ppb v/v			02/21/17 21:42	1
Chloromethane	0.82		0.80		ppb v/v			02/21/17 21:42	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 21:42	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 21:42	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 21:42	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 21:42	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 21:42	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 21:42	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 21:42	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 21:42	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 21:42	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 21:42	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 21:42	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 21:42	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 21:42	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 21:42	1
Methylene Chloride	0.94		0.40		ppb v/v			02/21/17 21:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 21:42	1
Styrene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 21:42	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 21:42	1
Toluene	0.89		0.40		ppb v/v			02/21/17 21:42	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 21:42	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 21:42	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 21:42	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 21:42	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 21:42	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 21:42	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 21:42	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 21:42	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 21:42	1
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 21:42	1
m,p-Xylene	0.93		0.80		ppb v/v			02/21/17 21:42	1
o-Xylene	ND		0.40		ppb v/v			02/21/17 21:42	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-18

Lab Sample ID: 320-25697-5

Date Collected: 02/09/17 12:07

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.80		ppb v/v			02/21/17 21:42	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20		12		ug/m3			02/21/17 21:42	1
Benzene	1.4		1.3		ug/m3			02/21/17 21:42	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 21:42	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 21:42	1
Bromoform	ND		4.1		ug/m3			02/21/17 21:42	1
Bromomethane	ND		3.1		ug/m3			02/21/17 21:42	1
2-Butanone (MEK)	3.9		2.4		ug/m3			02/21/17 21:42	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 21:42	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 21:42	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 21:42	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 21:42	1
Chloroethane	ND		2.1		ug/m3			02/21/17 21:42	1
Chloroform	ND		1.5		ug/m3			02/21/17 21:42	1
Chloromethane	1.7		1.7		ug/m3			02/21/17 21:42	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 21:42	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 21:42	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 21:42	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 21:42	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 21:42	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 21:42	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 21:42	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 21:42	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 21:42	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 21:42	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 21:42	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 21:42	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 21:42	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 21:42	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 21:42	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 21:42	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 21:42	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 21:42	1
Methylene Chloride	3.3		1.4		ug/m3			02/21/17 21:42	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 21:42	1
Styrene	ND		1.7		ug/m3			02/21/17 21:42	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 21:42	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 21:42	1
Toluene	3.4		1.5		ug/m3			02/21/17 21:42	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 21:42	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 21:42	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 21:42	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 21:42	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 21:42	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 21:42	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 21:42	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-18

Date Collected: 02/09/17 12:07

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 21:42	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 21:42	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 21:42	1
m,p-Xylene	4.0		3.5		ug/m3			02/21/17 21:42	1
o-Xylene	ND		1.7		ug/m3			02/21/17 21:42	1
Naphthalene	ND		4.2		ug/m3			02/21/17 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130					02/21/17 21:42	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					02/21/17 21:42	1
Toluene-d8 (Surr)	105		70 - 130					02/21/17 21:42	1

Client Sample ID: SVE-19

Date Collected: 02/09/17 12:29

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-6

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			02/21/17 22:39	1
Benzene	ND		0.40		ppb v/v			02/21/17 22:39	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 22:39	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 22:39	1
Bromoform	ND		0.40		ppb v/v			02/21/17 22:39	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 22:39	1
2-Butanone (MEK)	1.2		0.80		ppb v/v			02/21/17 22:39	1
Carbon disulfide	2.6		0.80		ppb v/v			02/21/17 22:39	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 22:39	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 22:39	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 22:39	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 22:39	1
Chloroform	ND		0.30		ppb v/v			02/21/17 22:39	1
Chloromethane	1.0		0.80		ppb v/v			02/21/17 22:39	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 22:39	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 22:39	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 22:39	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 22:39	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 22:39	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 22:39	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 22:39	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 22:39	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 22:39	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 22:39	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 22:39	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 22:39	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-19

Lab Sample ID: 320-25697-6

Date Collected: 02/09/17 12:29

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 22:39	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 22:39	1
Methylene Chloride	ND		0.40		ppb v/v			02/21/17 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 22:39	1
Styrene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 22:39	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 22:39	1
Toluene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 22:39	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 22:39	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 22:39	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 22:39	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 22:39	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 22:39	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 22:39	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 22:39	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 22:39	1
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 22:39	1
m,p-Xylene	ND		0.80		ppb v/v			02/21/17 22:39	1
o-Xylene	ND		0.40		ppb v/v			02/21/17 22:39	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 22:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			02/21/17 22:39	1
Benzene	ND		1.3		ug/m3			02/21/17 22:39	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 22:39	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 22:39	1
Bromoform	ND		4.1		ug/m3			02/21/17 22:39	1
Bromomethane	ND		3.1		ug/m3			02/21/17 22:39	1
2-Butanone (MEK)	3.6		2.4		ug/m3			02/21/17 22:39	1
Carbon disulfide	8.2		2.5		ug/m3			02/21/17 22:39	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 22:39	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 22:39	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 22:39	1
Chloroethane	ND		2.1		ug/m3			02/21/17 22:39	1
Chloroform	ND		1.5		ug/m3			02/21/17 22:39	1
Chloromethane	2.1		1.7		ug/m3			02/21/17 22:39	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 22:39	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 22:39	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 22:39	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 22:39	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 22:39	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 22:39	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 22:39	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 22:39	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 22:39	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 22:39	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 22:39	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-19

Lab Sample ID: 320-25697-6

Date Collected: 02/09/17 12:29

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 22:39	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 22:39	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 22:39	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 22:39	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 22:39	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 22:39	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 22:39	1
Methylene Chloride	ND		1.4		ug/m3			02/21/17 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 22:39	1
Styrene	ND		1.7		ug/m3			02/21/17 22:39	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 22:39	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 22:39	1
Toluene	ND		1.5		ug/m3			02/21/17 22:39	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 22:39	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 22:39	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 22:39	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 22:39	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 22:39	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 22:39	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 22:39	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 22:39	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 22:39	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 22:39	1
m,p-Xylene	ND		3.5		ug/m3			02/21/17 22:39	1
o-Xylene	ND		1.7		ug/m3			02/21/17 22:39	1
Naphthalene	ND		4.2		ug/m3			02/21/17 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					02/21/17 22:39	1
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					02/21/17 22:39	1
Toluene-d8 (Surr)	105		70 - 130					02/21/17 22:39	1

Client Sample ID: SVE-13

Lab Sample ID: 320-25697-7

Date Collected: 02/09/17 12:30

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.1		5.0		ppb v/v			02/21/17 23:36	1
Benzene	ND		0.40		ppb v/v			02/21/17 23:36	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 23:36	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 23:36	1
Bromoform	ND		0.40		ppb v/v			02/21/17 23:36	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 23:36	1
2-Butanone (MEK)	1.6		0.80		ppb v/v			02/21/17 23:36	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 23:36	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 23:36	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-13

Lab Sample ID: 320-25697-7

Date Collected: 02/09/17 12:30

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 23:36	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 23:36	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 23:36	1
Chloroform	ND		0.30		ppb v/v			02/21/17 23:36	1
Chloromethane	0.96		0.80		ppb v/v			02/21/17 23:36	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 23:36	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 23:36	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 23:36	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 23:36	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 23:36	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 23:36	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 23:36	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 23:36	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 23:36	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 23:36	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 23:36	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 23:36	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 23:36	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 23:36	1
Methylene Chloride	0.81		0.40		ppb v/v			02/21/17 23:36	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 23:36	1
Styrene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 23:36	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 23:36	1
Toluene	0.74		0.40		ppb v/v			02/21/17 23:36	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 23:36	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 23:36	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 23:36	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 23:36	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 23:36	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 23:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 23:36	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 23:36	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 23:36	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 23:36	1
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 23:36	1
m,p-Xylene	ND		0.80		ppb v/v			02/21/17 23:36	1
o-Xylene	ND		0.40		ppb v/v			02/21/17 23:36	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 23:36	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		12		ug/m3			02/21/17 23:36	1
Benzene	ND		1.3		ug/m3			02/21/17 23:36	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 23:36	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 23:36	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-13

Lab Sample ID: 320-25697-7

Date Collected: 02/09/17 12:30

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.1		ug/m3			02/21/17 23:36	1
Bromomethane	ND		3.1		ug/m3			02/21/17 23:36	1
2-Butanone (MEK)	4.8		2.4		ug/m3			02/21/17 23:36	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 23:36	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 23:36	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 23:36	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 23:36	1
Chloroethane	ND		2.1		ug/m3			02/21/17 23:36	1
Chloroform	ND		1.5		ug/m3			02/21/17 23:36	1
Chloromethane	2.0		1.7		ug/m3			02/21/17 23:36	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 23:36	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 23:36	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 23:36	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 23:36	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 23:36	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 23:36	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 23:36	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 23:36	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 23:36	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 23:36	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 23:36	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 23:36	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 23:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 23:36	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 23:36	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 23:36	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 23:36	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 23:36	1
Methylene Chloride	2.8		1.4		ug/m3			02/21/17 23:36	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 23:36	1
Styrene	ND		1.7		ug/m3			02/21/17 23:36	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 23:36	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 23:36	1
Toluene	2.8		1.5		ug/m3			02/21/17 23:36	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 23:36	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 23:36	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 23:36	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 23:36	1
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 23:36	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 23:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 23:36	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 23:36	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 23:36	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 23:36	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 23:36	1
m,p-Xylene	ND		3.5		ug/m3			02/21/17 23:36	1
o-Xylene	ND		1.7		ug/m3			02/21/17 23:36	1
Naphthalene	ND		4.2		ug/m3			02/21/17 23:36	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-13

Date Collected: 02/09/17 12:30

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-7

Matrix: Air

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		02/21/17 23:36	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		02/21/17 23:36	1
Toluene-d8 (Surr)	104		70 - 130		02/21/17 23:36	1

Client Sample ID: SVE-12

Date Collected: 02/09/17 12:31

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-8

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.7		5.0		ppb v/v			02/22/17 23:00	1
Benzene	0.46		0.40		ppb v/v			02/22/17 23:00	1
Benzyl chloride	ND		0.80		ppb v/v			02/22/17 23:00	1
Bromodichloromethane	ND		0.30		ppb v/v			02/22/17 23:00	1
Bromoform	ND		0.40		ppb v/v			02/22/17 23:00	1
Bromomethane	ND		0.80		ppb v/v			02/22/17 23:00	1
2-Butanone (MEK)	1.2		0.80		ppb v/v			02/22/17 23:00	1
Carbon disulfide	0.94		0.80		ppb v/v			02/22/17 23:00	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/22/17 23:00	1
Chlorobenzene	ND		0.30		ppb v/v			02/22/17 23:00	1
Dibromochloromethane	ND		0.40		ppb v/v			02/22/17 23:00	1
Chloroethane	ND		0.80		ppb v/v			02/22/17 23:00	1
Chloroform	ND		0.30		ppb v/v			02/22/17 23:00	1
Chloromethane	ND		0.80		ppb v/v			02/22/17 23:00	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/22/17 23:00	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:00	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/22/17 23:00	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/22/17 23:00	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/22/17 23:00	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/22/17 23:00	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 23:00	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/22/17 23:00	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 23:00	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/22/17 23:00	1
Ethylbenzene	ND		0.40		ppb v/v			02/22/17 23:00	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/22/17 23:00	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/22/17 23:00	1
2-Hexanone	ND		0.40		ppb v/v			02/22/17 23:00	1
Methylene Chloride	1.0		0.40		ppb v/v			02/22/17 23:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/22/17 23:00	1
Styrene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/22/17 23:00	1
Tetrachloroethene	ND		0.40		ppb v/v			02/22/17 23:00	1
Toluene	0.98		0.40		ppb v/v			02/22/17 23:00	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-12

Lab Sample ID: 320-25697-8

Date Collected: 02/09/17 12:31

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/22/17 23:00	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/22/17 23:00	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/22/17 23:00	1
Trichloroethene	ND		0.40		ppb v/v			02/22/17 23:00	1
1,4-Dioxane	ND		0.80		ppb v/v			02/22/17 23:00	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/22/17 23:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/22/17 23:00	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/22/17 23:00	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/22/17 23:00	1
Vinyl acetate	ND		0.80		ppb v/v			02/22/17 23:00	1
Vinyl chloride	ND		0.40		ppb v/v			02/22/17 23:00	1
m,p-Xylene	1.1		0.80		ppb v/v			02/22/17 23:00	1
o-Xylene	0.43		0.40		ppb v/v			02/22/17 23:00	1
Naphthalene	ND		0.80		ppb v/v			02/22/17 23:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	18		12		ug/m3			02/22/17 23:00	1
Benzene	1.5		1.3		ug/m3			02/22/17 23:00	1
Benzyl chloride	ND		4.1		ug/m3			02/22/17 23:00	1
Bromodichloromethane	ND		2.0		ug/m3			02/22/17 23:00	1
Bromoform	ND		4.1		ug/m3			02/22/17 23:00	1
Bromomethane	ND		3.1		ug/m3			02/22/17 23:00	1
2-Butanone (MEK)	3.5		2.4		ug/m3			02/22/17 23:00	1
Carbon disulfide	2.9		2.5		ug/m3			02/22/17 23:00	1
Carbon tetrachloride	ND		5.0		ug/m3			02/22/17 23:00	1
Chlorobenzene	ND		1.4		ug/m3			02/22/17 23:00	1
Dibromochloromethane	ND		3.4		ug/m3			02/22/17 23:00	1
Chloroethane	ND		2.1		ug/m3			02/22/17 23:00	1
Chloroform	ND		1.5		ug/m3			02/22/17 23:00	1
Chloromethane	ND		1.7		ug/m3			02/22/17 23:00	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/22/17 23:00	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:00	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:00	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:00	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/22/17 23:00	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/22/17 23:00	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/22/17 23:00	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/22/17 23:00	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 23:00	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 23:00	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/22/17 23:00	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 23:00	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 23:00	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/22/17 23:00	1
Ethylbenzene	ND		1.7		ug/m3			02/22/17 23:00	1
4-Ethyltoluene	ND		2.0		ug/m3			02/22/17 23:00	1
Hexachlorobutadiene	ND		21		ug/m3			02/22/17 23:00	1
2-Hexanone	ND		1.6		ug/m3			02/22/17 23:00	1
Methylene Chloride	3.6		1.4		ug/m3			02/22/17 23:00	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-12

Lab Sample ID: 320-25697-8

Date Collected: 02/09/17 12:31

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/22/17 23:00	1
Styrene	ND		1.7		ug/m3			02/22/17 23:00	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/22/17 23:00	1
Tetrachloroethene	ND		2.7		ug/m3			02/22/17 23:00	1
Toluene	3.7		1.5		ug/m3			02/22/17 23:00	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/22/17 23:00	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/22/17 23:00	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/22/17 23:00	1
Trichloroethene	ND		2.1		ug/m3			02/22/17 23:00	1
1,4-Dioxane	ND		2.9		ug/m3			02/22/17 23:00	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/22/17 23:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/22/17 23:00	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/22/17 23:00	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/22/17 23:00	1
Vinyl acetate	ND		2.8		ug/m3			02/22/17 23:00	1
Vinyl chloride	ND		1.0		ug/m3			02/22/17 23:00	1
m,p-Xylene	4.8		3.5		ug/m3			02/22/17 23:00	1
o-Xylene	1.9		1.7		ug/m3			02/22/17 23:00	1
Naphthalene	ND		4.2		ug/m3			02/22/17 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130					02/22/17 23:00	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130					02/22/17 23:00	1
Toluene-d8 (Surr)	99		70 - 130					02/22/17 23:00	1

Client Sample ID: SVE-11

Lab Sample ID: 320-25697-9

Date Collected: 02/09/17 12:55

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0		5.0		ppb v/v			02/22/17 23:57	1
Benzene	0.73		0.40		ppb v/v			02/22/17 23:57	1
Benzyl chloride	ND		0.80		ppb v/v			02/22/17 23:57	1
Bromodichloromethane	ND		0.30		ppb v/v			02/22/17 23:57	1
Bromoform	ND		0.40		ppb v/v			02/22/17 23:57	1
Bromomethane	ND		0.80		ppb v/v			02/22/17 23:57	1
2-Butanone (MEK)	1.3		0.80		ppb v/v			02/22/17 23:57	1
Carbon disulfide	ND		0.80		ppb v/v			02/22/17 23:57	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/22/17 23:57	1
Chlorobenzene	ND		0.30		ppb v/v			02/22/17 23:57	1
Dibromochloromethane	ND		0.40		ppb v/v			02/22/17 23:57	1
Chloroethane	ND		0.80		ppb v/v			02/22/17 23:57	1
Chloroform	ND		0.30		ppb v/v			02/22/17 23:57	1
Chloromethane	ND		0.80		ppb v/v			02/22/17 23:57	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/22/17 23:57	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:57	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:57	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-11

Lab Sample ID: 320-25697-9

Date Collected: 02/09/17 12:55

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 23:57	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/22/17 23:57	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/22/17 23:57	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/22/17 23:57	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/22/17 23:57	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 23:57	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 23:57	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/22/17 23:57	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 23:57	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 23:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/22/17 23:57	1
Ethylbenzene	ND		0.40		ppb v/v			02/22/17 23:57	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/22/17 23:57	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/22/17 23:57	1
2-Hexanone	ND		0.40		ppb v/v			02/22/17 23:57	1
Methylene Chloride	0.97		0.40		ppb v/v			02/22/17 23:57	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/22/17 23:57	1
Styrene	ND		0.40		ppb v/v			02/22/17 23:57	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/22/17 23:57	1
Tetrachloroethene	ND		0.40		ppb v/v			02/22/17 23:57	1
Toluene	0.54		0.40		ppb v/v			02/22/17 23:57	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/22/17 23:57	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/22/17 23:57	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/22/17 23:57	1
Trichloroethene	ND		0.40		ppb v/v			02/22/17 23:57	1
1,4-Dioxane	ND		0.80		ppb v/v			02/22/17 23:57	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/22/17 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/22/17 23:57	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/22/17 23:57	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/22/17 23:57	1
Vinyl acetate	ND		0.80		ppb v/v			02/22/17 23:57	1
Vinyl chloride	3.7		0.40		ppb v/v			02/22/17 23:57	1
m,p-Xylene	0.89		0.80		ppb v/v			02/22/17 23:57	1
o-Xylene	0.50		0.40		ppb v/v			02/22/17 23:57	1
Naphthalene	ND		0.80		ppb v/v			02/22/17 23:57	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		12		ug/m3			02/22/17 23:57	1
Benzene	2.3		1.3		ug/m3			02/22/17 23:57	1
Benzyl chloride	ND		4.1		ug/m3			02/22/17 23:57	1
Bromodichloromethane	ND		2.0		ug/m3			02/22/17 23:57	1
Bromoform	ND		4.1		ug/m3			02/22/17 23:57	1
Bromomethane	ND		3.1		ug/m3			02/22/17 23:57	1
2-Butanone (MEK)	3.8		2.4		ug/m3			02/22/17 23:57	1
Carbon disulfide	ND		2.5		ug/m3			02/22/17 23:57	1
Carbon tetrachloride	ND		5.0		ug/m3			02/22/17 23:57	1
Chlorobenzene	ND		1.4		ug/m3			02/22/17 23:57	1
Dibromochloromethane	ND		3.4		ug/m3			02/22/17 23:57	1
Chloroethane	ND		2.1		ug/m3			02/22/17 23:57	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-11

Lab Sample ID: 320-25697-9

Date Collected: 02/09/17 12:55

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.5		ug/m3			02/22/17 23:57	1
Chloromethane	ND		1.7		ug/m3			02/22/17 23:57	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/22/17 23:57	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:57	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:57	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 23:57	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/22/17 23:57	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/22/17 23:57	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/22/17 23:57	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/22/17 23:57	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 23:57	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 23:57	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/22/17 23:57	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 23:57	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 23:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/22/17 23:57	1
Ethylbenzene	ND		1.7		ug/m3			02/22/17 23:57	1
4-Ethyltoluene	ND		2.0		ug/m3			02/22/17 23:57	1
Hexachlorobutadiene	ND		21		ug/m3			02/22/17 23:57	1
2-Hexanone	ND		1.6		ug/m3			02/22/17 23:57	1
Methylene Chloride	3.4		1.4		ug/m3			02/22/17 23:57	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/22/17 23:57	1
Styrene	ND		1.7		ug/m3			02/22/17 23:57	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/22/17 23:57	1
Tetrachloroethene	ND		2.7		ug/m3			02/22/17 23:57	1
Toluene	2.0		1.5		ug/m3			02/22/17 23:57	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/22/17 23:57	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/22/17 23:57	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/22/17 23:57	1
Trichloroethene	ND		2.1		ug/m3			02/22/17 23:57	1
1,4-Dioxane	ND		2.9		ug/m3			02/22/17 23:57	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/22/17 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/22/17 23:57	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/22/17 23:57	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/22/17 23:57	1
Vinyl acetate	ND		2.8		ug/m3			02/22/17 23:57	1
Vinyl chloride	9.5		1.0		ug/m3			02/22/17 23:57	1
m,p-Xylene	3.8		3.5		ug/m3			02/22/17 23:57	1
o-Xylene	2.2		1.7		ug/m3			02/22/17 23:57	1
Naphthalene	ND		4.2		ug/m3			02/22/17 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					02/22/17 23:57	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130					02/22/17 23:57	1
Toluene-d8 (Surr)	99		70 - 130					02/22/17 23:57	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-10

Lab Sample ID: 320-25697-10

Date Collected: 02/09/17 12:56

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			02/23/17 00:54	1
Benzene	ND		0.40		ppb v/v			02/23/17 00:54	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 00:54	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 00:54	1
Bromoform	ND		0.40		ppb v/v			02/23/17 00:54	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 00:54	1
2-Butanone (MEK)	ND		0.80		ppb v/v			02/23/17 00:54	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 00:54	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 00:54	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 00:54	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 00:54	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 00:54	1
Chloroform	ND		0.30		ppb v/v			02/23/17 00:54	1
Chloromethane	1.0		0.80		ppb v/v			02/23/17 00:54	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 00:54	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 00:54	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 00:54	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 00:54	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 00:54	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 00:54	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 00:54	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 00:54	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 00:54	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 00:54	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 00:54	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 00:54	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 00:54	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 00:54	1
Methylene Chloride	0.82		0.40		ppb v/v			02/23/17 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 00:54	1
Styrene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 00:54	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 00:54	1
Toluene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 00:54	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 00:54	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 00:54	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 00:54	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 00:54	1
Trichlorofluoromethane	0.42		0.40		ppb v/v			02/23/17 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 00:54	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 00:54	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 00:54	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 00:54	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-10

Lab Sample ID: 320-25697-10

Date Collected: 02/09/17 12:56

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 00:54	1
m,p-Xylene	ND		0.80		ppb v/v			02/23/17 00:54	1
o-Xylene	ND		0.40		ppb v/v			02/23/17 00:54	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 00:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			02/23/17 00:54	1
Benzene	ND		1.3		ug/m3			02/23/17 00:54	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 00:54	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 00:54	1
Bromoform	ND		4.1		ug/m3			02/23/17 00:54	1
Bromomethane	ND		3.1		ug/m3			02/23/17 00:54	1
2-Butanone (MEK)	ND		2.4		ug/m3			02/23/17 00:54	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 00:54	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 00:54	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 00:54	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 00:54	1
Chloroethane	ND		2.1		ug/m3			02/23/17 00:54	1
Chloroform	ND		1.5		ug/m3			02/23/17 00:54	1
Chloromethane	2.1		1.7		ug/m3			02/23/17 00:54	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 00:54	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 00:54	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 00:54	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 00:54	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 00:54	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 00:54	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 00:54	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 00:54	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 00:54	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 00:54	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 00:54	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 00:54	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 00:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 00:54	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 00:54	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 00:54	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 00:54	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 00:54	1
Methylene Chloride	2.9		1.4		ug/m3			02/23/17 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 00:54	1
Styrene	ND		1.7		ug/m3			02/23/17 00:54	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 00:54	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 00:54	1
Toluene	ND		1.5		ug/m3			02/23/17 00:54	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 00:54	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 00:54	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 00:54	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 00:54	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 00:54	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-10

Lab Sample ID: 320-25697-10

Date Collected: 02/09/17 12:56

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.3		2.2		ug/m3			02/23/17 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 00:54	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 00:54	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 00:54	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 00:54	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 00:54	1
m,p-Xylene	ND		3.5		ug/m3			02/23/17 00:54	1
o-Xylene	ND		1.7		ug/m3			02/23/17 00:54	1
Naphthalene	ND		4.2		ug/m3			02/23/17 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130					02/23/17 00:54	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130					02/23/17 00:54	1
Toluene-d8 (Surr)	100		70 - 130					02/23/17 00:54	1

Client Sample ID: SVE-9

Lab Sample ID: 320-25697-11

Date Collected: 02/09/17 12:57

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.7		5.0		ppb v/v			02/23/17 01:52	1
Benzene	2.2		0.40		ppb v/v			02/23/17 01:52	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 01:52	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 01:52	1
Bromoform	ND		0.40		ppb v/v			02/23/17 01:52	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 01:52	1
2-Butanone (MEK)	1.8		0.80		ppb v/v			02/23/17 01:52	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 01:52	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 01:52	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 01:52	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 01:52	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 01:52	1
Chloroform	ND		0.30		ppb v/v			02/23/17 01:52	1
Chloromethane	ND		0.80		ppb v/v			02/23/17 01:52	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 01:52	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 01:52	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 01:52	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 01:52	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 01:52	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 01:52	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 01:52	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 01:52	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 01:52	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 01:52	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 01:52	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 01:52	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 01:52	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-9

Lab Sample ID: 320-25697-11

Date Collected: 02/09/17 12:57

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 01:52	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 01:52	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 01:52	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 01:52	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 01:52	1
Methylene Chloride	0.99		0.40		ppb v/v			02/23/17 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 01:52	1
Styrene	ND		0.40		ppb v/v			02/23/17 01:52	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 01:52	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 01:52	1
Toluene	1.3		0.40		ppb v/v			02/23/17 01:52	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 01:52	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 01:52	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 01:52	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 01:52	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 01:52	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 01:52	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 01:52	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 01:52	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 01:52	1
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 01:52	1
m,p-Xylene	2.1		0.80		ppb v/v			02/23/17 01:52	1
o-Xylene	0.51		0.40		ppb v/v			02/23/17 01:52	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 01:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		12		ug/m3			02/23/17 01:52	1
Benzene	7.0		1.3		ug/m3			02/23/17 01:52	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 01:52	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 01:52	1
Bromoform	ND		4.1		ug/m3			02/23/17 01:52	1
Bromomethane	ND		3.1		ug/m3			02/23/17 01:52	1
2-Butanone (MEK)	5.3		2.4		ug/m3			02/23/17 01:52	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 01:52	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 01:52	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 01:52	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 01:52	1
Chloroethane	ND		2.1		ug/m3			02/23/17 01:52	1
Chloroform	ND		1.5		ug/m3			02/23/17 01:52	1
Chloromethane	ND		1.7		ug/m3			02/23/17 01:52	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 01:52	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 01:52	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 01:52	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 01:52	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 01:52	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 01:52	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 01:52	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 01:52	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-9

Lab Sample ID: 320-25697-11

Date Collected: 02/09/17 12:57

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 01:52	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 01:52	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 01:52	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 01:52	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 01:52	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 01:52	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 01:52	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 01:52	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 01:52	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 01:52	1
Methylene Chloride	3.4		1.4		ug/m3			02/23/17 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 01:52	1
Styrene	ND		1.7		ug/m3			02/23/17 01:52	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 01:52	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 01:52	1
Toluene	4.8		1.5		ug/m3			02/23/17 01:52	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 01:52	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 01:52	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 01:52	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 01:52	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 01:52	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 01:52	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 01:52	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 01:52	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 01:52	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 01:52	1
m,p-Xylene	9.0		3.5		ug/m3			02/23/17 01:52	1
o-Xylene	2.2		1.7		ug/m3			02/23/17 01:52	1
Naphthalene	ND		4.2		ug/m3			02/23/17 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		02/23/17 01:52	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		02/23/17 01:52	1
Toluene-d8 (Surr)	100		70 - 130		02/23/17 01:52	1

Client Sample ID: SVE-INFLUENT

Lab Sample ID: 320-25697-12

Date Collected: 02/09/17 13:21

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.7		5.0		ppb v/v			02/23/17 02:49	1
Benzene	0.50		0.40		ppb v/v			02/23/17 02:49	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 02:49	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 02:49	1
Bromoform	ND		0.40		ppb v/v			02/23/17 02:49	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 02:49	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-INFLUENT

Lab Sample ID: 320-25697-12

Date Collected: 02/09/17 13:21

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	1.6		0.80		ppb v/v			02/23/17 02:49	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 02:49	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 02:49	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 02:49	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 02:49	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 02:49	1
Chloroform	ND		0.30		ppb v/v			02/23/17 02:49	1
Chloromethane	ND		0.80		ppb v/v			02/23/17 02:49	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 02:49	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 02:49	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 02:49	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 02:49	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 02:49	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 02:49	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 02:49	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 02:49	1
cis-1,2-Dichloroethene	5.8		0.40		ppb v/v			02/23/17 02:49	1
trans-1,2-Dichloroethene	1.2		0.40		ppb v/v			02/23/17 02:49	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 02:49	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 02:49	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 02:49	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 02:49	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 02:49	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 02:49	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 02:49	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 02:49	1
Methylene Chloride	0.74		0.40		ppb v/v			02/23/17 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 02:49	1
Styrene	ND		0.40		ppb v/v			02/23/17 02:49	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 02:49	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 02:49	1
Toluene	0.76		0.40		ppb v/v			02/23/17 02:49	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 02:49	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 02:49	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 02:49	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 02:49	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 02:49	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 02:49	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 02:49	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 02:49	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 02:49	1
Vinyl chloride	1.8		0.40		ppb v/v			02/23/17 02:49	1
m,p-Xylene	1.1		0.80		ppb v/v			02/23/17 02:49	1
o-Xylene	0.41		0.40		ppb v/v			02/23/17 02:49	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 02:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		12		ug/m3			02/23/17 02:49	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-INFLUENT

Lab Sample ID: 320-25697-12

Date Collected: 02/09/17 13:21

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.6		1.3		ug/m3			02/23/17 02:49	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 02:49	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 02:49	1
Bromoform	ND		4.1		ug/m3			02/23/17 02:49	1
Bromomethane	ND		3.1		ug/m3			02/23/17 02:49	1
2-Butanone (MEK)	4.8		2.4		ug/m3			02/23/17 02:49	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 02:49	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 02:49	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 02:49	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 02:49	1
Chloroethane	ND		2.1		ug/m3			02/23/17 02:49	1
Chloroform	ND		1.5		ug/m3			02/23/17 02:49	1
Chloromethane	ND		1.7		ug/m3			02/23/17 02:49	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 02:49	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 02:49	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 02:49	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 02:49	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 02:49	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 02:49	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 02:49	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 02:49	1
cis-1,2-Dichloroethene	23		1.6		ug/m3			02/23/17 02:49	1
trans-1,2-Dichloroethene	4.7		1.6		ug/m3			02/23/17 02:49	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 02:49	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 02:49	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 02:49	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 02:49	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 02:49	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 02:49	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 02:49	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 02:49	1
Methylene Chloride	2.6		1.4		ug/m3			02/23/17 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 02:49	1
Styrene	ND		1.7		ug/m3			02/23/17 02:49	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 02:49	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 02:49	1
Toluene	2.9		1.5		ug/m3			02/23/17 02:49	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 02:49	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 02:49	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 02:49	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 02:49	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 02:49	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 02:49	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 02:49	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 02:49	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 02:49	1
Vinyl chloride	4.6		1.0		ug/m3			02/23/17 02:49	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-INFLUENT

Lab Sample ID: 320-25697-12

Date Collected: 02/09/17 13:21

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	4.7		3.5		ug/m3			02/23/17 02:49	1
o-Xylene	1.8		1.7		ug/m3			02/23/17 02:49	1
Naphthalene	ND		4.2		ug/m3			02/23/17 02:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130					02/23/17 02:49	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 130					02/23/17 02:49	1
Toluene-d8 (Surr)	97		70 - 130					02/23/17 02:49	1

Client Sample ID: SVE-2

Lab Sample ID: 320-25697-13

Date Collected: 02/09/17 13:40

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0		5.0		ppb v/v			02/23/17 03:47	1
Benzene	0.59		0.40		ppb v/v			02/23/17 03:47	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 03:47	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 03:47	1
Bromoform	ND		0.40		ppb v/v			02/23/17 03:47	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 03:47	1
2-Butanone (MEK)	1.7		0.80		ppb v/v			02/23/17 03:47	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 03:47	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 03:47	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 03:47	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 03:47	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 03:47	1
Chloroform	ND		0.30		ppb v/v			02/23/17 03:47	1
Chloromethane	0.82		0.80		ppb v/v			02/23/17 03:47	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 03:47	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 03:47	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 03:47	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 03:47	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 03:47	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 03:47	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 03:47	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 03:47	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 03:47	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 03:47	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 03:47	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 03:47	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 03:47	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 03:47	1
Methylene Chloride	0.80		0.40		ppb v/v			02/23/17 03:47	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-2

Lab Sample ID: 320-25697-13

Date Collected: 02/09/17 13:40

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.53		0.40		ppb v/v			02/23/17 03:47	1
Styrene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 03:47	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 03:47	1
Toluene	0.88		0.40		ppb v/v			02/23/17 03:47	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 03:47	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 03:47	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 03:47	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 03:47	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 03:47	1
Trichlorofluoromethane	0.40		0.40		ppb v/v			02/23/17 03:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 03:47	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 03:47	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 03:47	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 03:47	1
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 03:47	1
m,p-Xylene	1.1		0.80		ppb v/v			02/23/17 03:47	1
o-Xylene	ND		0.40		ppb v/v			02/23/17 03:47	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 03:47	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		12		ug/m3			02/23/17 03:47	1
Benzene	1.9		1.3		ug/m3			02/23/17 03:47	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 03:47	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 03:47	1
Bromoform	ND		4.1		ug/m3			02/23/17 03:47	1
Bromomethane	ND		3.1		ug/m3			02/23/17 03:47	1
2-Butanone (MEK)	5.2		2.4		ug/m3			02/23/17 03:47	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 03:47	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 03:47	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 03:47	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 03:47	1
Chloroethane	ND		2.1		ug/m3			02/23/17 03:47	1
Chloroform	ND		1.5		ug/m3			02/23/17 03:47	1
Chloromethane	1.7		1.7		ug/m3			02/23/17 03:47	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 03:47	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 03:47	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 03:47	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 03:47	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 03:47	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 03:47	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 03:47	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 03:47	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 03:47	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 03:47	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 03:47	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 03:47	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 03:47	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 03:47	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-2

Lab Sample ID: 320-25697-13

Date Collected: 02/09/17 13:40

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.7		ug/m3			02/23/17 03:47	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 03:47	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 03:47	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 03:47	1
Methylene Chloride	2.8		1.4		ug/m3			02/23/17 03:47	1
4-Methyl-2-pentanone (MIBK)	2.2		1.6		ug/m3			02/23/17 03:47	1
Styrene	ND		1.7		ug/m3			02/23/17 03:47	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 03:47	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 03:47	1
Toluene	3.3		1.5		ug/m3			02/23/17 03:47	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 03:47	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 03:47	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 03:47	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 03:47	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 03:47	1
Trichlorofluoromethane	2.2		2.2		ug/m3			02/23/17 03:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 03:47	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 03:47	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 03:47	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 03:47	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 03:47	1
m,p-Xylene	4.7		3.5		ug/m3			02/23/17 03:47	1
o-Xylene	ND		1.7		ug/m3			02/23/17 03:47	1
Naphthalene	ND		4.2		ug/m3			02/23/17 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130					02/23/17 03:47	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					02/23/17 03:47	1
Toluene-d8 (Surr)	94		70 - 130					02/23/17 03:47	1

Client Sample ID: SVE-3

Lab Sample ID: 320-25697-14

Date Collected: 02/09/17 13:41

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.6		5.0		ppb v/v			02/23/17 04:44	1
Benzene	0.48		0.40		ppb v/v			02/23/17 04:44	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 04:44	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 04:44	1
Bromoform	ND		0.40		ppb v/v			02/23/17 04:44	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 04:44	1
2-Butanone (MEK)	1.3		0.80		ppb v/v			02/23/17 04:44	1
Carbon disulfide	1.1		0.80		ppb v/v			02/23/17 04:44	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 04:44	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 04:44	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 04:44	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 04:44	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-3

Lab Sample ID: 320-25697-14

Date Collected: 02/09/17 13:41

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.30		ppb v/v			02/23/17 04:44	1
Chloromethane	ND		0.80		ppb v/v			02/23/17 04:44	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 04:44	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 04:44	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 04:44	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 04:44	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 04:44	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 04:44	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 04:44	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 04:44	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 04:44	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 04:44	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 04:44	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 04:44	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 04:44	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 04:44	1
Methylene Chloride	0.80		0.40		ppb v/v			02/23/17 04:44	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 04:44	1
Styrene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 04:44	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 04:44	1
Toluene	0.76		0.40		ppb v/v			02/23/17 04:44	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 04:44	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 04:44	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 04:44	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 04:44	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 04:44	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 04:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 04:44	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 04:44	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 04:44	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 04:44	1
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 04:44	1
m,p-Xylene	0.90		0.80		ppb v/v			02/23/17 04:44	1
o-Xylene	ND		0.40		ppb v/v			02/23/17 04:44	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 04:44	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		12		ug/m3			02/23/17 04:44	1
Benzene	1.5		1.3		ug/m3			02/23/17 04:44	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 04:44	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 04:44	1
Bromoform	ND		4.1		ug/m3			02/23/17 04:44	1
Bromomethane	ND		3.1		ug/m3			02/23/17 04:44	1
2-Butanone (MEK)	3.9		2.4		ug/m3			02/23/17 04:44	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-3

Lab Sample ID: 320-25697-14

Date Collected: 02/09/17 13:41

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	3.3		2.5		ug/m3			02/23/17 04:44	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 04:44	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 04:44	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 04:44	1
Chloroethane	ND		2.1		ug/m3			02/23/17 04:44	1
Chloroform	ND		1.5		ug/m3			02/23/17 04:44	1
Chloromethane	ND		1.7		ug/m3			02/23/17 04:44	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 04:44	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 04:44	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 04:44	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 04:44	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 04:44	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 04:44	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 04:44	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 04:44	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 04:44	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 04:44	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 04:44	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 04:44	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 04:44	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 04:44	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 04:44	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 04:44	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 04:44	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 04:44	1
Methylene Chloride	2.8		1.4		ug/m3			02/23/17 04:44	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 04:44	1
Styrene	ND		1.7		ug/m3			02/23/17 04:44	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 04:44	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 04:44	1
Toluene	2.9		1.5		ug/m3			02/23/17 04:44	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 04:44	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 04:44	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 04:44	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 04:44	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 04:44	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 04:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 04:44	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 04:44	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 04:44	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 04:44	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 04:44	1
m,p-Xylene	3.9		3.5		ug/m3			02/23/17 04:44	1
o-Xylene	ND		1.7		ug/m3			02/23/17 04:44	1
Naphthalene	ND		4.2		ug/m3			02/23/17 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		02/23/17 04:44	1
1,2-Dichloroethane-d4 (Surr)	83		70 - 130		02/23/17 04:44	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-3

Date Collected: 02/09/17 13:41

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-14

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		02/23/17 04:44	1

Client Sample ID: SVE-4

Date Collected: 02/09/17 13:42

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-15

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			02/23/17 05:42	1
Benzene	0.45		0.40		ppb v/v			02/23/17 05:42	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 05:42	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 05:42	1
Bromoform	ND		0.40		ppb v/v			02/23/17 05:42	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 05:42	1
2-Butanone (MEK)	ND		0.80		ppb v/v			02/23/17 05:42	1
Carbon disulfide	19		0.80		ppb v/v			02/23/17 05:42	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 05:42	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 05:42	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 05:42	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 05:42	1
Chloroform	ND		0.30		ppb v/v			02/23/17 05:42	1
Chloromethane	ND		0.80		ppb v/v			02/23/17 05:42	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 05:42	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 05:42	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 05:42	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 05:42	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 05:42	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 05:42	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 05:42	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 05:42	1
cis-1,2-Dichloroethene	3.7		0.40		ppb v/v			02/23/17 05:42	1
trans-1,2-Dichloroethene	0.70		0.40		ppb v/v			02/23/17 05:42	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 05:42	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 05:42	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 05:42	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 05:42	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 05:42	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 05:42	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 05:42	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 05:42	1
Methylene Chloride	0.78		0.40		ppb v/v			02/23/17 05:42	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 05:42	1
Styrene	ND		0.40		ppb v/v			02/23/17 05:42	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 05:42	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 05:42	1
Toluene	0.59		0.40		ppb v/v			02/23/17 05:42	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 05:42	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-4

Lab Sample ID: 320-25697-15

Date Collected: 02/09/17 13:42

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 05:42	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 05:42	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 05:42	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 05:42	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 05:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 05:42	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 05:42	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 05:42	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 05:42	1
Vinyl chloride	0.70		0.40		ppb v/v			02/23/17 05:42	1
m,p-Xylene	ND		0.80		ppb v/v			02/23/17 05:42	1
o-Xylene	ND		0.40		ppb v/v			02/23/17 05:42	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 05:42	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			02/23/17 05:42	1
Benzene	1.4		1.3		ug/m3			02/23/17 05:42	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 05:42	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 05:42	1
Bromoform	ND		4.1		ug/m3			02/23/17 05:42	1
Bromomethane	ND		3.1		ug/m3			02/23/17 05:42	1
2-Butanone (MEK)	ND		2.4		ug/m3			02/23/17 05:42	1
Carbon disulfide	60		2.5		ug/m3			02/23/17 05:42	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 05:42	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 05:42	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 05:42	1
Chloroethane	ND		2.1		ug/m3			02/23/17 05:42	1
Chloroform	ND		1.5		ug/m3			02/23/17 05:42	1
Chloromethane	ND		1.7		ug/m3			02/23/17 05:42	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 05:42	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 05:42	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 05:42	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 05:42	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 05:42	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 05:42	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 05:42	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 05:42	1
cis-1,2-Dichloroethene	15		1.6		ug/m3			02/23/17 05:42	1
trans-1,2-Dichloroethene	2.8		1.6		ug/m3			02/23/17 05:42	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 05:42	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 05:42	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 05:42	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 05:42	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 05:42	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 05:42	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 05:42	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 05:42	1
Methylene Chloride	2.7		1.4		ug/m3			02/23/17 05:42	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 05:42	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-4

Lab Sample ID: 320-25697-15

Date Collected: 02/09/17 13:42

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.7		ug/m3			02/23/17 05:42	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 05:42	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 05:42	1
Toluene	2.2		1.5		ug/m3			02/23/17 05:42	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 05:42	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 05:42	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 05:42	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 05:42	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 05:42	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 05:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 05:42	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 05:42	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 05:42	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 05:42	1
Vinyl chloride	1.8		1.0		ug/m3			02/23/17 05:42	1
m,p-Xylene	ND		3.5		ug/m3			02/23/17 05:42	1
o-Xylene	ND		1.7		ug/m3			02/23/17 05:42	1
Naphthalene	ND		4.2		ug/m3			02/23/17 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		02/23/17 05:42	1
1,2-Dichloroethane-d4 (Surr)	83		70 - 130		02/23/17 05:42	1
Toluene-d8 (Surr)	98		70 - 130		02/23/17 05:42	1

Client Sample ID: SVE-5

Lab Sample ID: 320-25697-16

Date Collected: 02/09/17 14:10

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.2		5.0		ppb v/v			02/23/17 06:55	1
Benzene	ND		0.40		ppb v/v			02/23/17 06:55	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 06:55	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 06:55	1
Bromoform	ND		0.40		ppb v/v			02/23/17 06:55	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 06:55	1
2-Butanone (MEK)	1.6		0.80		ppb v/v			02/23/17 06:55	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 06:55	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 06:55	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 06:55	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 06:55	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 06:55	1
Chloroform	ND		0.30		ppb v/v			02/23/17 06:55	1
Chloromethane	0.91		0.80		ppb v/v			02/23/17 06:55	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 06:55	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 06:55	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-5

Lab Sample ID: 320-25697-16

Date Collected: 02/09/17 14:10

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 06:55	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 06:55	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 06:55	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 06:55	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 06:55	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 06:55	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 06:55	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 06:55	1
Ethylbenzene	0.40		0.40		ppb v/v			02/23/17 06:55	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 06:55	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 06:55	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 06:55	1
Methylene Chloride	0.74		0.40		ppb v/v			02/23/17 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 06:55	1
Styrene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,1,1,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 06:55	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 06:55	1
Toluene	0.81		0.40		ppb v/v			02/23/17 06:55	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 06:55	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 06:55	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 06:55	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 06:55	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 06:55	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 06:55	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 06:55	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 06:55	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 06:55	1
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 06:55	1
m,p-Xylene	2.1		0.80		ppb v/v			02/23/17 06:55	1
o-Xylene	0.68		0.40		ppb v/v			02/23/17 06:55	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 06:55	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17		12		ug/m3			02/23/17 06:55	1
Benzene	ND		1.3		ug/m3			02/23/17 06:55	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 06:55	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 06:55	1
Bromoform	ND		4.1		ug/m3			02/23/17 06:55	1
Bromomethane	ND		3.1		ug/m3			02/23/17 06:55	1
2-Butanone (MEK)	4.8		2.4		ug/m3			02/23/17 06:55	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 06:55	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 06:55	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 06:55	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 06:55	1
Chloroethane	ND		2.1		ug/m3			02/23/17 06:55	1
Chloroform	ND		1.5		ug/m3			02/23/17 06:55	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-5

Lab Sample ID: 320-25697-16

Date Collected: 02/09/17 14:10

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.9		1.7		ug/m3			02/23/17 06:55	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 06:55	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 06:55	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 06:55	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 06:55	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 06:55	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 06:55	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 06:55	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 06:55	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 06:55	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 06:55	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 06:55	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 06:55	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 06:55	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 06:55	1
Ethylbenzene	1.7		1.7		ug/m3			02/23/17 06:55	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 06:55	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 06:55	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 06:55	1
Methylene Chloride	2.6		1.4		ug/m3			02/23/17 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 06:55	1
Styrene	ND		1.7		ug/m3			02/23/17 06:55	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 06:55	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 06:55	1
Toluene	3.1		1.5		ug/m3			02/23/17 06:55	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 06:55	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 06:55	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 06:55	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 06:55	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 06:55	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 06:55	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 06:55	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 06:55	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 06:55	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 06:55	1
m,p-Xylene	9.3		3.5		ug/m3			02/23/17 06:55	1
o-Xylene	3.0		1.7		ug/m3			02/23/17 06:55	1
Naphthalene	ND		4.2		ug/m3			02/23/17 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		02/23/17 06:55	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		02/23/17 06:55	1
Toluene-d8 (Surr)	99		70 - 130		02/23/17 06:55	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-6

Lab Sample ID: 320-25697-17

Date Collected: 02/09/17 14:11

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	28		5.0		ppb v/v			02/23/17 07:52	1
Benzene	0.48		0.40		ppb v/v			02/23/17 07:52	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 07:52	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 07:52	1
Bromoform	ND		0.40		ppb v/v			02/23/17 07:52	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 07:52	1
2-Butanone (MEK)	2.0		0.80		ppb v/v			02/23/17 07:52	1
Carbon disulfide	0.84		0.80		ppb v/v			02/23/17 07:52	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 07:52	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 07:52	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 07:52	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 07:52	1
Chloroform	ND		0.30		ppb v/v			02/23/17 07:52	1
Chloromethane	0.99		0.80		ppb v/v			02/23/17 07:52	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 07:52	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 07:52	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 07:52	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 07:52	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 07:52	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 07:52	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 07:52	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 07:52	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 07:52	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 07:52	1
Ethylbenzene	0.67		0.40		ppb v/v			02/23/17 07:52	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 07:52	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 07:52	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 07:52	1
Methylene Chloride	ND		0.40		ppb v/v			02/23/17 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/23/17 07:52	1
Styrene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 07:52	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 07:52	1
Toluene	1.4		0.40		ppb v/v			02/23/17 07:52	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 07:52	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/23/17 07:52	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 07:52	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 07:52	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 07:52	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 07:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 07:52	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 07:52	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 07:52	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 07:52	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-6

Lab Sample ID: 320-25697-17

Date Collected: 02/09/17 14:11

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 07:52	1
m,p-Xylene	4.5		0.80		ppb v/v			02/23/17 07:52	1
o-Xylene	1.5		0.40		ppb v/v			02/23/17 07:52	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 07:52	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	67		12		ug/m3			02/23/17 07:52	1
Benzene	1.5		1.3		ug/m3			02/23/17 07:52	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 07:52	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 07:52	1
Bromoform	ND		4.1		ug/m3			02/23/17 07:52	1
Bromomethane	ND		3.1		ug/m3			02/23/17 07:52	1
2-Butanone (MEK)	5.8		2.4		ug/m3			02/23/17 07:52	1
Carbon disulfide	2.6		2.5		ug/m3			02/23/17 07:52	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 07:52	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 07:52	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 07:52	1
Chloroethane	ND		2.1		ug/m3			02/23/17 07:52	1
Chloroform	ND		1.5		ug/m3			02/23/17 07:52	1
Chloromethane	2.1		1.7		ug/m3			02/23/17 07:52	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 07:52	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 07:52	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 07:52	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 07:52	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 07:52	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 07:52	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 07:52	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 07:52	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 07:52	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 07:52	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 07:52	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 07:52	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 07:52	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 07:52	1
Ethylbenzene	2.9		1.7		ug/m3			02/23/17 07:52	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 07:52	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 07:52	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 07:52	1
Methylene Chloride	ND		1.4		ug/m3			02/23/17 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/23/17 07:52	1
Styrene	ND		1.7		ug/m3			02/23/17 07:52	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 07:52	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 07:52	1
Toluene	5.1		1.5		ug/m3			02/23/17 07:52	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 07:52	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/23/17 07:52	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 07:52	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 07:52	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 07:52	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-6

Date Collected: 02/09/17 14:11

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-17

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 07:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 07:52	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 07:52	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 07:52	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 07:52	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 07:52	1
m,p-Xylene	19		3.5		ug/m3			02/23/17 07:52	1
o-Xylene	6.3		1.7		ug/m3			02/23/17 07:52	1
Naphthalene	ND		4.2		ug/m3			02/23/17 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130					02/23/17 07:52	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 130					02/23/17 07:52	1
Toluene-d8 (Surr)	100		70 - 130					02/23/17 07:52	1

Client Sample ID: SVE-7

Date Collected: 02/09/17 14:12

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Lab Sample ID: 320-25697-18

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.7		5.0		ppb v/v			02/23/17 08:48	1
Benzene	ND		0.40		ppb v/v			02/23/17 08:48	1
Benzyl chloride	ND		0.80		ppb v/v			02/23/17 08:48	1
Bromodichloromethane	ND		0.30		ppb v/v			02/23/17 08:48	1
Bromoform	ND		0.40		ppb v/v			02/23/17 08:48	1
Bromomethane	ND		0.80		ppb v/v			02/23/17 08:48	1
2-Butanone (MEK)	2.9		0.80		ppb v/v			02/23/17 08:48	1
Carbon disulfide	ND		0.80		ppb v/v			02/23/17 08:48	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/23/17 08:48	1
Chlorobenzene	ND		0.30		ppb v/v			02/23/17 08:48	1
Dibromochloromethane	ND		0.40		ppb v/v			02/23/17 08:48	1
Chloroethane	ND		0.80		ppb v/v			02/23/17 08:48	1
Chloroform	ND		0.30		ppb v/v			02/23/17 08:48	1
Chloromethane	ND		0.80		ppb v/v			02/23/17 08:48	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/23/17 08:48	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/23/17 08:48	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/23/17 08:48	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/23/17 08:48	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/23/17 08:48	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/23/17 08:48	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 08:48	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/23/17 08:48	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 08:48	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/23/17 08:48	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-7

Lab Sample ID: 320-25697-18

Date Collected: 02/09/17 14:12

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/23/17 08:48	1
Ethylbenzene	ND		0.40		ppb v/v			02/23/17 08:48	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/23/17 08:48	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/23/17 08:48	1
2-Hexanone	ND		0.40		ppb v/v			02/23/17 08:48	1
Methylene Chloride	0.82		0.40		ppb v/v			02/23/17 08:48	1
4-Methyl-2-pentanone (MIBK)	0.51		0.40		ppb v/v			02/23/17 08:48	1
Styrene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/23/17 08:48	1
Tetrachloroethene	ND		0.40		ppb v/v			02/23/17 08:48	1
Toluene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/23/17 08:48	1
1,1,1-Trichloroethane	0.57		0.30		ppb v/v			02/23/17 08:48	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/23/17 08:48	1
Trichloroethene	ND		0.40		ppb v/v			02/23/17 08:48	1
1,4-Dioxane	ND		0.80		ppb v/v			02/23/17 08:48	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/23/17 08:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/23/17 08:48	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/23/17 08:48	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/23/17 08:48	1
Vinyl acetate	ND		0.80		ppb v/v			02/23/17 08:48	1
Vinyl chloride	ND		0.40		ppb v/v			02/23/17 08:48	1
m,p-Xylene	ND		0.80		ppb v/v			02/23/17 08:48	1
o-Xylene	ND		0.40		ppb v/v			02/23/17 08:48	1
Naphthalene	ND		0.80		ppb v/v			02/23/17 08:48	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16		12		ug/m3			02/23/17 08:48	1
Benzene	ND		1.3		ug/m3			02/23/17 08:48	1
Benzyl chloride	ND		4.1		ug/m3			02/23/17 08:48	1
Bromodichloromethane	ND		2.0		ug/m3			02/23/17 08:48	1
Bromoform	ND		4.1		ug/m3			02/23/17 08:48	1
Bromomethane	ND		3.1		ug/m3			02/23/17 08:48	1
2-Butanone (MEK)	8.7		2.4		ug/m3			02/23/17 08:48	1
Carbon disulfide	ND		2.5		ug/m3			02/23/17 08:48	1
Carbon tetrachloride	ND		5.0		ug/m3			02/23/17 08:48	1
Chlorobenzene	ND		1.4		ug/m3			02/23/17 08:48	1
Dibromochloromethane	ND		3.4		ug/m3			02/23/17 08:48	1
Chloroethane	ND		2.1		ug/m3			02/23/17 08:48	1
Chloroform	ND		1.5		ug/m3			02/23/17 08:48	1
Chloromethane	ND		1.7		ug/m3			02/23/17 08:48	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/23/17 08:48	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 08:48	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 08:48	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/23/17 08:48	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/23/17 08:48	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/23/17 08:48	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/23/17 08:48	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/23/17 08:48	1

TestAmerica Sacramento

Client Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-7

Lab Sample ID: 320-25697-18

Date Collected: 02/09/17 14:12

Matrix: Air

Date Received: 02/11/17 09:15

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 08:48	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/23/17 08:48	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/23/17 08:48	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 08:48	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/23/17 08:48	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/23/17 08:48	1
Ethylbenzene	ND		1.7		ug/m3			02/23/17 08:48	1
4-Ethyltoluene	ND		2.0		ug/m3			02/23/17 08:48	1
Hexachlorobutadiene	ND		21		ug/m3			02/23/17 08:48	1
2-Hexanone	ND		1.6		ug/m3			02/23/17 08:48	1
Methylene Chloride	2.8		1.4		ug/m3			02/23/17 08:48	1
4-Methyl-2-pentanone (MIBK)	2.1		1.6		ug/m3			02/23/17 08:48	1
Styrene	ND		1.7		ug/m3			02/23/17 08:48	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/23/17 08:48	1
Tetrachloroethene	ND		2.7		ug/m3			02/23/17 08:48	1
Toluene	ND		1.5		ug/m3			02/23/17 08:48	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/23/17 08:48	1
1,1,1-Trichloroethane	3.1		1.6		ug/m3			02/23/17 08:48	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/23/17 08:48	1
Trichloroethene	ND		2.1		ug/m3			02/23/17 08:48	1
1,4-Dioxane	ND		2.9		ug/m3			02/23/17 08:48	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/23/17 08:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/23/17 08:48	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/23/17 08:48	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/23/17 08:48	1
Vinyl acetate	ND		2.8		ug/m3			02/23/17 08:48	1
Vinyl chloride	ND		1.0		ug/m3			02/23/17 08:48	1
m,p-Xylene	ND		3.5		ug/m3			02/23/17 08:48	1
o-Xylene	ND		1.7		ug/m3			02/23/17 08:48	1
Naphthalene	ND		4.2		ug/m3			02/23/17 08:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		02/23/17 08:48	1
1,2-Dichloroethane-d4 (Surr)	70		70 - 130		02/23/17 08:48	1
Toluene-d8 (Surr)	93		70 - 130		02/23/17 08:48	1

Surrogate Summary

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	12DCE (70-130)	TOL (70-130)
320-25697-1	SVE-14	100	84	101
320-25697-2	SVE-15	100	87	106
320-25697-3	SVE-16	97	84	102
320-25697-3 - DL	SVE-16	97	84	92
320-25697-4	SVE-17	93	85	102
320-25697-5	SVE-18	92	84	105
320-25697-6	SVE-19	95	83	105
320-25697-7	SVE-13	95	86	104
320-25697-8	SVE-12	96	87	99
320-25697-9	SVE-11	95	86	99
320-25697-10	SVE-10	86	92	100
320-25697-11	SVE-9	96	89	100
320-25697-12	SVE-INFLUENT	90	85	97
320-25697-13	SVE-2	92	84	94
320-25697-14	SVE-3	94	83	98
320-25697-15	SVE-4	98	83	98
320-25697-16	SVE-5	94	87	99
320-25697-17	SVE-6	94	81	100
320-25697-18	SVE-7	93	70	93
LCS 320-151527/4	Lab Control Sample	106	92	103
LCS 320-151738/4	Lab Control Sample	104	93	100
LCSD 320-151527/5	Lab Control Sample Dup	106	95	104
LCSD 320-151738/5	Lab Control Sample Dup	100	90	99
MB 320-151527/9	Method Blank	90	82	99
MB 320-151738/9	Method Blank	87	86	98

Surrogate Legend

- BFB = 4-Bromofluorobenzene (Surr)
- 12DCE = 1,2-Dichloroethane-d4 (Surr)
- TOL = Toluene-d8 (Surr)

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 320-151527/9

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			02/21/17 16:57	1
Benzene	ND		0.40		ppb v/v			02/21/17 16:57	1
Benzyl chloride	ND		0.80		ppb v/v			02/21/17 16:57	1
Bromodichloromethane	ND		0.30		ppb v/v			02/21/17 16:57	1
Bromoform	ND		0.40		ppb v/v			02/21/17 16:57	1
Bromomethane	ND		0.80		ppb v/v			02/21/17 16:57	1
2-Butanone (MEK)	ND		0.80		ppb v/v			02/21/17 16:57	1
Carbon disulfide	ND		0.80		ppb v/v			02/21/17 16:57	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/21/17 16:57	1
Chlorobenzene	ND		0.30		ppb v/v			02/21/17 16:57	1
Dibromochloromethane	ND		0.40		ppb v/v			02/21/17 16:57	1
Chloroethane	ND		0.80		ppb v/v			02/21/17 16:57	1
Chloroform	ND		0.30		ppb v/v			02/21/17 16:57	1
Chloromethane	ND		0.80		ppb v/v			02/21/17 16:57	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/21/17 16:57	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/21/17 16:57	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/21/17 16:57	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/21/17 16:57	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/21/17 16:57	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/21/17 16:57	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 16:57	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/21/17 16:57	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 16:57	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/21/17 16:57	1
Ethylbenzene	ND		0.40		ppb v/v			02/21/17 16:57	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/21/17 16:57	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/21/17 16:57	1
2-Hexanone	ND		0.40		ppb v/v			02/21/17 16:57	1
Methylene Chloride	ND		0.40		ppb v/v			02/21/17 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/21/17 16:57	1
Styrene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/21/17 16:57	1
Tetrachloroethene	ND		0.40		ppb v/v			02/21/17 16:57	1
Toluene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/21/17 16:57	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/21/17 16:57	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/21/17 16:57	1
Trichloroethene	ND		0.40		ppb v/v			02/21/17 16:57	1
1,4-Dioxane	ND		0.80		ppb v/v			02/21/17 16:57	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/21/17 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/21/17 16:57	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/21/17 16:57	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/21/17 16:57	1
Vinyl acetate	ND		0.80		ppb v/v			02/21/17 16:57	1

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 320-151527/9

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Vinyl chloride	ND		0.40		ppb v/v			02/21/17 16:57	1
m,p-Xylene	ND		0.80		ppb v/v			02/21/17 16:57	1
o-Xylene	ND		0.40		ppb v/v			02/21/17 16:57	1
Naphthalene	ND		0.80		ppb v/v			02/21/17 16:57	1
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		12		ug/m3			02/21/17 16:57	1
Benzene	ND		1.3		ug/m3			02/21/17 16:57	1
Benzyl chloride	ND		4.1		ug/m3			02/21/17 16:57	1
Bromodichloromethane	ND		2.0		ug/m3			02/21/17 16:57	1
Bromoform	ND		4.1		ug/m3			02/21/17 16:57	1
Bromomethane	ND		3.1		ug/m3			02/21/17 16:57	1
2-Butanone (MEK)	ND		2.4		ug/m3			02/21/17 16:57	1
Carbon disulfide	ND		2.5		ug/m3			02/21/17 16:57	1
Carbon tetrachloride	ND		5.0		ug/m3			02/21/17 16:57	1
Chlorobenzene	ND		1.4		ug/m3			02/21/17 16:57	1
Dibromochloromethane	ND		3.4		ug/m3			02/21/17 16:57	1
Chloroethane	ND		2.1		ug/m3			02/21/17 16:57	1
Chloroform	ND		1.5		ug/m3			02/21/17 16:57	1
Chloromethane	ND		1.7		ug/m3			02/21/17 16:57	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/21/17 16:57	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 16:57	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 16:57	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/21/17 16:57	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/21/17 16:57	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/21/17 16:57	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/21/17 16:57	1
1,1-Dichloroethene	ND		3.2		ug/m3			02/21/17 16:57	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 16:57	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/21/17 16:57	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/21/17 16:57	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 16:57	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/21/17 16:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/21/17 16:57	1
Ethylbenzene	ND		1.7		ug/m3			02/21/17 16:57	1
4-Ethyltoluene	ND		2.0		ug/m3			02/21/17 16:57	1
Hexachlorobutadiene	ND		21		ug/m3			02/21/17 16:57	1
2-Hexanone	ND		1.6		ug/m3			02/21/17 16:57	1
Methylene Chloride	ND		1.4		ug/m3			02/21/17 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/21/17 16:57	1
Styrene	ND		1.7		ug/m3			02/21/17 16:57	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/21/17 16:57	1
Tetrachloroethene	ND		2.7		ug/m3			02/21/17 16:57	1
Toluene	ND		1.5		ug/m3			02/21/17 16:57	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/21/17 16:57	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/21/17 16:57	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/21/17 16:57	1
Trichloroethene	ND		2.1		ug/m3			02/21/17 16:57	1

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 320-151527/9

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		2.9		ug/m3			02/21/17 16:57	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/21/17 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/21/17 16:57	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/21/17 16:57	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/21/17 16:57	1
Vinyl acetate	ND		2.8		ug/m3			02/21/17 16:57	1
Vinyl chloride	ND		1.0		ug/m3			02/21/17 16:57	1
m,p-Xylene	ND		3.5		ug/m3			02/21/17 16:57	1
o-Xylene	ND		1.7		ug/m3			02/21/17 16:57	1
Naphthalene	ND		4.2		ug/m3			02/21/17 16:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130		02/21/17 16:57	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 130		02/21/17 16:57	1
Toluene-d8 (Surr)	99		70 - 130		02/21/17 16:57	1

Lab Sample ID: LCS 320-151527/4

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.9		ppb v/v		105	71 - 131
Benzene	20.0	21.3		ppb v/v		107	68 - 128
Benzyl chloride	20.0	16.6		ppb v/v		83	58 - 120
Bromodichloromethane	20.0	20.0		ppb v/v		100	65 - 130
Bromoform	20.0	19.5		ppb v/v		98	64 - 144
Bromomethane	20.0	24.8		ppb v/v		124	70 - 131
2-Butanone (MEK)	20.0	21.9		ppb v/v		109	71 - 131
Carbon disulfide	20.0	21.0		ppb v/v		105	63 - 123
Carbon tetrachloride	20.0	18.7		ppb v/v		94	67 - 127
Chlorobenzene	20.0	20.3		ppb v/v		102	70 - 132
Dibromochloromethane	20.0	19.4		ppb v/v		97	68 - 128
Chloroethane	20.0	24.6		ppb v/v		123	70 - 131
Chloroform	20.0	20.5		ppb v/v		102	69 - 129
Chloromethane	20.0	22.0		ppb v/v		110	67 - 127
1,2-Dibromoethane (EDB)	20.0	20.9		ppb v/v		105	68 - 131
1,2-Dichlorobenzene	20.0	20.6		ppb v/v		103	73 - 143
1,3-Dichlorobenzene	20.0	20.7		ppb v/v		103	77 - 136
1,4-Dichlorobenzene	20.0	21.3		ppb v/v		106	73 - 143
Dichlorodifluoromethane	20.0	22.5		ppb v/v		112	69 - 129
1,1-Dichloroethane	20.0	21.6		ppb v/v		108	65 - 125
1,2-Dichloroethane	20.0	19.9		ppb v/v		99	71 - 131
1,1-Dichloroethene	20.0	19.1		ppb v/v		96	53 - 128
cis-1,2-Dichloroethene	20.0	22.1		ppb v/v		110	68 - 128
trans-1,2-Dichloroethene	20.0	21.8		ppb v/v		109	70 - 130
1,2-Dichloropropane	20.0	21.1		ppb v/v		106	74 - 128
cis-1,3-Dichloropropene	20.0	24.1		ppb v/v		120	78 - 132
trans-1,3-Dichloropropene	20.0	19.2		ppb v/v		96	56 - 136

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 320-151527/4

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.0	22.8		ppb v/v		114	64 - 124
Ethylbenzene	20.0	20.3		ppb v/v		102	76 - 136
4-Ethyltoluene	20.0	17.7		ppb v/v		89	62 - 136
Hexachlorobutadiene	20.0	15.8		ppb v/v		79	42 - 150
2-Hexanone	20.0	23.1		ppb v/v		116	70 - 128
Methylene Chloride	20.0	20.5		ppb v/v		103	65 - 125
4-Methyl-2-pentanone (MIBK)	20.0	23.4		ppb v/v		117	73 - 133
Styrene	20.0	21.2		ppb v/v		106	76 - 144
1,1,2,2-Tetrachloroethane	20.0	21.7		ppb v/v		109	75 - 135
Tetrachloroethene	20.0	18.8		ppb v/v		94	56 - 138
Toluene	20.0	21.7		ppb v/v		108	71 - 132
1,2,4-Trichlorobenzene	20.0	19.0		ppb v/v		95	59 - 150
1,1,1-Trichloroethane	20.0	19.9		ppb v/v		99	65 - 124
1,1,2-Trichloroethane	20.0	21.6		ppb v/v		108	71 - 131
Trichloroethene	20.0	20.9		ppb v/v		104	64 - 127
1,4-Dioxane	20.0	21.5		ppb v/v		107	55 - 141
Trichlorofluoromethane	20.0	20.7		ppb v/v		103	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.6		ppb v/v		103	50 - 132
1,2,4-Trimethylbenzene	20.0	19.2		ppb v/v		96	61 - 145
1,3,5-Trimethylbenzene	20.0	18.5		ppb v/v		93	65 - 136
Vinyl acetate	20.0	24.7		ppb v/v		123	77 - 134
Vinyl chloride	20.0	23.6		ppb v/v		118	69 - 129
m,p-Xylene	40.0	41.5		ppb v/v		104	75 - 138
o-Xylene	20.0	20.5		ppb v/v		103	77 - 132
Naphthalene	20.0	16.9		ppb v/v		84	58 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	48	49.7		ug/m3		105	71 - 131
Benzene	64	68.1		ug/m3		107	68 - 128
Benzyl chloride	100	86.2		ug/m3		83	58 - 120
Bromodichloromethane	130	134		ug/m3		100	65 - 130
Bromoform	210	202		ug/m3		98	64 - 144
Bromomethane	78	96.3		ug/m3		124	70 - 131
2-Butanone (MEK)	59	64.5		ug/m3		109	71 - 131
Carbon disulfide	62	65.4		ug/m3		105	63 - 123
Carbon tetrachloride	130	118		ug/m3		94	67 - 127
Chlorobenzene	92	93.5		ug/m3		102	70 - 132
Dibromochloromethane	170	165		ug/m3		97	68 - 128
Chloroethane	53	64.8		ug/m3		123	70 - 131
Chloroform	98	100		ug/m3		102	69 - 129
Chloromethane	41	45.4		ug/m3		110	67 - 127
1,2-Dibromoethane (EDB)	150	161		ug/m3		105	68 - 131
1,2-Dichlorobenzene	120	124		ug/m3		103	73 - 143
1,3-Dichlorobenzene	120	124		ug/m3		103	77 - 136
1,4-Dichlorobenzene	120	128		ug/m3		106	73 - 143
Dichlorodifluoromethane	99	111		ug/m3		112	69 - 129
1,1-Dichloroethane	81	87.2		ug/m3		108	65 - 125

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 320-151527/4

Matrix: Air

Analysis Batch: 151527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	81	80.5		ug/m3		99	71 - 131
1,1-Dichloroethene	79	75.7		ug/m3		96	53 - 128
cis-1,2-Dichloroethene	79	87.5		ug/m3		110	68 - 128
trans-1,2-Dichloroethene	79	86.3		ug/m3		109	70 - 130
1,2-Dichloropropane	92	97.5		ug/m3		106	74 - 128
cis-1,3-Dichloropropene	91	109		ug/m3		120	78 - 132
trans-1,3-Dichloropropene	91	87.0		ug/m3		96	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	160		ug/m3		114	64 - 124
Ethylbenzene	87	88.3		ug/m3		102	76 - 136
4-Ethyltoluene	98	87.0		ug/m3		89	62 - 136
Hexachlorobutadiene	210	168		ug/m3		79	42 - 150
2-Hexanone	82	94.7		ug/m3		116	70 - 128
Methylene Chloride	69	71.3		ug/m3		103	65 - 125
4-Methyl-2-pentanone (MIBK)	82	95.8		ug/m3		117	73 - 133
Styrene	85	90.4		ug/m3		106	76 - 144
1,1,2,2-Tetrachloroethane	140	149		ug/m3		109	75 - 135
Tetrachloroethene	140	127		ug/m3		94	56 - 138
Toluene	75	81.7		ug/m3		108	71 - 132
1,2,4-Trichlorobenzene	150	141		ug/m3		95	59 - 150
1,1,1-Trichloroethane	110	108		ug/m3		99	65 - 124
1,1,2-Trichloroethane	110	118		ug/m3		108	71 - 131
Trichloroethene	110	112		ug/m3		104	64 - 127
1,4-Dioxane	72	77.4		ug/m3		107	55 - 141
Trichlorofluoromethane	110	116		ug/m3		103	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	150	158		ug/m3		103	50 - 132
1,2,4-Trimethylbenzene	98	94.2		ug/m3		96	61 - 145
1,3,5-Trimethylbenzene	98	91.0		ug/m3		93	65 - 136
Vinyl acetate	70	86.8		ug/m3		123	77 - 134
Vinyl chloride	51	60.3		ug/m3		118	69 - 129
m,p-Xylene	170	180		ug/m3		104	75 - 138
o-Xylene	87	89.1		ug/m3		103	77 - 132
Naphthalene	100	88.5		ug/m3		84	58 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 320-151527/5

Matrix: Air

Analysis Batch: 151527

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
Acetone	20.0	19.8		ppb v/v		99	71 - 131	5	25
Benzene	20.0	21.0		ppb v/v		105	68 - 128	1	25
Benzyl chloride	20.0	16.9		ppb v/v		85	58 - 120	2	25

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 320-151527/5

Client Sample ID: Lab Control Sample Dup

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	20.0	19.4		ppb v/v		97	65 - 130	3	25
Bromoform	20.0	19.6		ppb v/v		98	64 - 144	0	25
Bromomethane	20.0	24.2		ppb v/v		121	70 - 131	3	25
2-Butanone (MEK)	20.0	21.1		ppb v/v		106	71 - 131	3	25
Carbon disulfide	20.0	20.6		ppb v/v		103	63 - 123	2	25
Carbon tetrachloride	20.0	17.9		ppb v/v		89	67 - 127	5	25
Chlorobenzene	20.0	20.3		ppb v/v		102	70 - 132	0	25
Dibromochloromethane	20.0	18.7		ppb v/v		93	68 - 128	4	25
Chloroethane	20.0	24.0		ppb v/v		120	70 - 131	2	25
Chloroform	20.0	19.4		ppb v/v		97	69 - 129	6	25
Chloromethane	20.0	21.4		ppb v/v		107	67 - 127	3	25
1,2-Dibromoethane (EDB)	20.0	20.5		ppb v/v		103	68 - 131	2	25
1,2-Dichlorobenzene	20.0	20.9		ppb v/v		104	73 - 143	1	25
1,3-Dichlorobenzene	20.0	21.0		ppb v/v		105	77 - 136	2	25
1,4-Dichlorobenzene	20.0	21.3		ppb v/v		107	73 - 143	0	25
Dichlorodifluoromethane	20.0	21.7		ppb v/v		108	69 - 129	4	25
1,1-Dichloroethane	20.0	20.7		ppb v/v		104	65 - 125	4	25
1,2-Dichloroethane	20.0	19.0		ppb v/v		95	71 - 131	5	25
1,1-Dichloroethene	20.0	18.4		ppb v/v		92	53 - 128	4	25
cis-1,2-Dichloroethene	20.0	21.2		ppb v/v		106	68 - 128	4	25
trans-1,2-Dichloroethene	20.0	21.1		ppb v/v		105	70 - 130	3	25
1,2-Dichloropropane	20.0	20.0		ppb v/v		100	74 - 128	5	25
cis-1,3-Dichloropropene	20.0	23.6		ppb v/v		118	78 - 132	2	25
trans-1,3-Dichloropropene	20.0	18.6		ppb v/v		93	56 - 136	3	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.0	22.2		ppb v/v		111	64 - 124	3	25
Ethylbenzene	20.0	20.5		ppb v/v		102	76 - 136	1	25
4-Ethyltoluene	20.0	17.8		ppb v/v		89	62 - 136	1	25
Hexachlorobutadiene	20.0	15.8		ppb v/v		79	42 - 150	0	25
2-Hexanone	20.0	23.1		ppb v/v		115	70 - 128	0	25
Methylene Chloride	20.0	19.6		ppb v/v		98	65 - 125	5	25
4-Methyl-2-pentanone (MIBK)	20.0	23.4		ppb v/v		117	73 - 133	0	25
Styrene	20.0	21.6		ppb v/v		108	76 - 144	2	25
1,1,2,2-Tetrachloroethane	20.0	22.1		ppb v/v		110	75 - 135	2	25
Tetrachloroethene	20.0	18.4		ppb v/v		92	56 - 138	2	25
Toluene	20.0	21.2		ppb v/v		106	71 - 132	2	25
1,2,4-Trichlorobenzene	20.0	19.1		ppb v/v		96	59 - 150	1	25
1,1,1-Trichloroethane	20.0	18.7		ppb v/v		94	65 - 124	6	25
1,1,2-Trichloroethane	20.0	20.7		ppb v/v		103	71 - 131	4	25
Trichloroethene	20.0	21.0		ppb v/v		105	64 - 127	0	25
1,4-Dioxane	20.0	21.4		ppb v/v		107	55 - 141	1	25
Trichlorofluoromethane	20.0	19.3		ppb v/v		96	68 - 128	7	25
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.1		ppb v/v		100	50 - 132	3	25
1,2,4-Trimethylbenzene	20.0	18.9		ppb v/v		95	61 - 145	1	25
1,3,5-Trimethylbenzene	20.0	18.6		ppb v/v		93	65 - 136	1	25
Vinyl acetate	20.0	23.9		ppb v/v		119	77 - 134	3	25
Vinyl chloride	20.0	22.6		ppb v/v		113	69 - 129	4	25
m,p-Xylene	40.0	42.0		ppb v/v		105	75 - 138	1	25

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 320-151527/5

Client Sample ID: Lab Control Sample Dup

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	20.0	21.0		ppb v/v		105	77 - 132	2	25
Naphthalene	20.0	17.4		ppb v/v		87	58 - 150	3	25
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	48	47.1		ug/m3		99	71 - 131	5	25
Benzene	64	67.2		ug/m3		105	68 - 128	1	25
Benzyl chloride	100	87.7		ug/m3		85	58 - 120	2	25
Bromodichloromethane	130	130		ug/m3		97	65 - 130	3	25
Bromoform	210	202		ug/m3		98	64 - 144	0	25
Bromomethane	78	93.8		ug/m3		121	70 - 131	3	25
2-Butanone (MEK)	59	62.3		ug/m3		106	71 - 131	3	25
Carbon disulfide	62	64.2		ug/m3		103	63 - 123	2	25
Carbon tetrachloride	130	112		ug/m3		89	67 - 127	5	25
Chlorobenzene	92	93.5		ug/m3		102	70 - 132	0	25
Dibromochloromethane	170	159		ug/m3		93	68 - 128	4	25
Chloroethane	53	63.4		ug/m3		120	70 - 131	2	25
Chloroform	98	94.6		ug/m3		97	69 - 129	6	25
Chloromethane	41	44.2		ug/m3		107	67 - 127	3	25
1,2-Dibromoethane (EDB)	150	158		ug/m3		103	68 - 131	2	25
1,2-Dichlorobenzene	120	125		ug/m3		104	73 - 143	1	25
1,3-Dichlorobenzene	120	126		ug/m3		105	77 - 136	2	25
1,4-Dichlorobenzene	120	128		ug/m3		107	73 - 143	0	25
Dichlorodifluoromethane	99	107		ug/m3		108	69 - 129	4	25
1,1-Dichloroethane	81	83.8		ug/m3		104	65 - 125	4	25
1,2-Dichloroethane	81	76.8		ug/m3		95	71 - 131	5	25
1,1-Dichloroethene	79	72.8		ug/m3		92	53 - 128	4	25
cis-1,2-Dichloroethene	79	83.9		ug/m3		106	68 - 128	4	25
trans-1,2-Dichloroethene	79	83.5		ug/m3		105	70 - 130	3	25
1,2-Dichloropropane	92	92.6		ug/m3		100	74 - 128	5	25
cis-1,3-Dichloropropene	91	107		ug/m3		118	78 - 132	2	25
trans-1,3-Dichloropropene	91	84.3		ug/m3		93	56 - 136	3	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	155		ug/m3		111	64 - 124	3	25
Ethylbenzene	87	88.9		ug/m3		102	76 - 136	1	25
4-Ethyltoluene	98	87.5		ug/m3		89	62 - 136	1	25
Hexachlorobutadiene	210	168		ug/m3		79	42 - 150	0	25
2-Hexanone	82	94.5		ug/m3		115	70 - 128	0	25
Methylene Chloride	69	68.1		ug/m3		98	65 - 125	5	25
4-Methyl-2-pentanone (MIBK)	82	95.7		ug/m3		117	73 - 133	0	25
Styrene	85	92.0		ug/m3		108	76 - 144	2	25
1,1,2,2-Tetrachloroethane	140	152		ug/m3		110	75 - 135	2	25
Tetrachloroethene	140	125		ug/m3		92	56 - 138	2	25
Toluene	75	79.9		ug/m3		106	71 - 132	2	25
1,2,4-Trichlorobenzene	150	142		ug/m3		96	59 - 150	1	25
1,1,1-Trichloroethane	110	102		ug/m3		94	65 - 124	6	25
1,1,2-Trichloroethane	110	113		ug/m3		103	71 - 131	4	25
Trichloroethene	110	113		ug/m3		105	64 - 127	0	25
1,4-Dioxane	72	77.0		ug/m3		107	55 - 141	1	25

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 320-151527/5

Client Sample ID: Lab Control Sample Dup

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	110	108		ug/m3		96	68 - 128	7	25
1,1,2-Trichloro-1,2,2-trifluoroethane	150	154		ug/m3		100	50 - 132	3	25
1,2,4-Trimethylbenzene	98	93.0		ug/m3		95	61 - 145	1	25
1,3,5-Trimethylbenzene	98	91.5		ug/m3		93	65 - 136	1	25
Vinyl acetate	70	84.1		ug/m3		119	77 - 134	3	25
Vinyl chloride	51	57.7		ug/m3		113	69 - 129	4	25
m,p-Xylene	170	182		ug/m3		105	75 - 138	1	25
o-Xylene	87	91.0		ug/m3		105	77 - 132	2	25
Naphthalene	100	91.3		ug/m3		87	58 - 150	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: MB 320-151738/9

Client Sample ID: Method Blank

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			02/22/17 20:20	1
Benzene	ND		0.40		ppb v/v			02/22/17 20:20	1
Benzyl chloride	ND		0.80		ppb v/v			02/22/17 20:20	1
Bromodichloromethane	ND		0.30		ppb v/v			02/22/17 20:20	1
Bromoform	ND		0.40		ppb v/v			02/22/17 20:20	1
Bromomethane	ND		0.80		ppb v/v			02/22/17 20:20	1
2-Butanone (MEK)	ND		0.80		ppb v/v			02/22/17 20:20	1
Carbon disulfide	ND		0.80		ppb v/v			02/22/17 20:20	1
Carbon tetrachloride	ND		0.80		ppb v/v			02/22/17 20:20	1
Chlorobenzene	ND		0.30		ppb v/v			02/22/17 20:20	1
Dibromochloromethane	ND		0.40		ppb v/v			02/22/17 20:20	1
Chloroethane	ND		0.80		ppb v/v			02/22/17 20:20	1
Chloroform	ND		0.30		ppb v/v			02/22/17 20:20	1
Chloromethane	ND		0.80		ppb v/v			02/22/17 20:20	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			02/22/17 20:20	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			02/22/17 20:20	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			02/22/17 20:20	1
1,1-Dichloroethane	ND		0.30		ppb v/v			02/22/17 20:20	1
1,2-Dichloroethane	ND		0.80		ppb v/v			02/22/17 20:20	1
1,1-Dichloroethene	ND		0.80		ppb v/v			02/22/17 20:20	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 20:20	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,2-Dichloropropane	ND		0.40		ppb v/v			02/22/17 20:20	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 20:20	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			02/22/17 20:20	1

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 320-151738/9
Matrix: Air
Analysis Batch: 151738

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			02/22/17 20:20	1
Ethylbenzene	ND		0.40		ppb v/v			02/22/17 20:20	1
4-Ethyltoluene	ND		0.40		ppb v/v			02/22/17 20:20	1
Hexachlorobutadiene	ND		2.0		ppb v/v			02/22/17 20:20	1
2-Hexanone	ND		0.40		ppb v/v			02/22/17 20:20	1
Methylene Chloride	ND		0.40		ppb v/v			02/22/17 20:20	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			02/22/17 20:20	1
Styrene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			02/22/17 20:20	1
Tetrachloroethene	ND		0.40		ppb v/v			02/22/17 20:20	1
Toluene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			02/22/17 20:20	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			02/22/17 20:20	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			02/22/17 20:20	1
Trichloroethene	ND		0.40		ppb v/v			02/22/17 20:20	1
1,4-Dioxane	ND		0.80		ppb v/v			02/22/17 20:20	1
Trichlorofluoromethane	ND		0.40		ppb v/v			02/22/17 20:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			02/22/17 20:20	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			02/22/17 20:20	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			02/22/17 20:20	1
Vinyl acetate	ND		0.80		ppb v/v			02/22/17 20:20	1
Vinyl chloride	ND		0.40		ppb v/v			02/22/17 20:20	1
m,p-Xylene	ND		0.80		ppb v/v			02/22/17 20:20	1
o-Xylene	ND		0.40		ppb v/v			02/22/17 20:20	1
Naphthalene	ND		0.80		ppb v/v			02/22/17 20:20	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			02/22/17 20:20	1
Benzene	ND		1.3		ug/m3			02/22/17 20:20	1
Benzyl chloride	ND		4.1		ug/m3			02/22/17 20:20	1
Bromodichloromethane	ND		2.0		ug/m3			02/22/17 20:20	1
Bromoform	ND		4.1		ug/m3			02/22/17 20:20	1
Bromomethane	ND		3.1		ug/m3			02/22/17 20:20	1
2-Butanone (MEK)	ND		2.4		ug/m3			02/22/17 20:20	1
Carbon disulfide	ND		2.5		ug/m3			02/22/17 20:20	1
Carbon tetrachloride	ND		5.0		ug/m3			02/22/17 20:20	1
Chlorobenzene	ND		1.4		ug/m3			02/22/17 20:20	1
Dibromochloromethane	ND		3.4		ug/m3			02/22/17 20:20	1
Chloroethane	ND		2.1		ug/m3			02/22/17 20:20	1
Chloroform	ND		1.5		ug/m3			02/22/17 20:20	1
Chloromethane	ND		1.7		ug/m3			02/22/17 20:20	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			02/22/17 20:20	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 20:20	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 20:20	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			02/22/17 20:20	1
Dichlorodifluoromethane	ND		2.0		ug/m3			02/22/17 20:20	1
1,1-Dichloroethane	ND		1.2		ug/m3			02/22/17 20:20	1
1,2-Dichloroethane	ND		3.2		ug/m3			02/22/17 20:20	1

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 320-151738/9

Matrix: Air

Analysis Batch: 151738

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		3.2		ug/m3			02/22/17 20:20	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 20:20	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			02/22/17 20:20	1
1,2-Dichloropropane	ND		1.8		ug/m3			02/22/17 20:20	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 20:20	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			02/22/17 20:20	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			02/22/17 20:20	1
Ethylbenzene	ND		1.7		ug/m3			02/22/17 20:20	1
4-Ethyltoluene	ND		2.0		ug/m3			02/22/17 20:20	1
Hexachlorobutadiene	ND		21		ug/m3			02/22/17 20:20	1
2-Hexanone	ND		1.6		ug/m3			02/22/17 20:20	1
Methylene Chloride	ND		1.4		ug/m3			02/22/17 20:20	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			02/22/17 20:20	1
Styrene	ND		1.7		ug/m3			02/22/17 20:20	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			02/22/17 20:20	1
Tetrachloroethene	ND		2.7		ug/m3			02/22/17 20:20	1
Toluene	ND		1.5		ug/m3			02/22/17 20:20	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			02/22/17 20:20	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			02/22/17 20:20	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			02/22/17 20:20	1
Trichloroethene	ND		2.1		ug/m3			02/22/17 20:20	1
1,4-Dioxane	ND		2.9		ug/m3			02/22/17 20:20	1
Trichlorofluoromethane	ND		2.2		ug/m3			02/22/17 20:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			02/22/17 20:20	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			02/22/17 20:20	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			02/22/17 20:20	1
Vinyl acetate	ND		2.8		ug/m3			02/22/17 20:20	1
Vinyl chloride	ND		1.0		ug/m3			02/22/17 20:20	1
m,p-Xylene	ND		3.5		ug/m3			02/22/17 20:20	1
o-Xylene	ND		1.7		ug/m3			02/22/17 20:20	1
Naphthalene	ND		4.2		ug/m3			02/22/17 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130		02/22/17 20:20	1
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		02/22/17 20:20	1
Toluene-d8 (Surr)	98		70 - 130		02/22/17 20:20	1

Lab Sample ID: LCS 320-151738/4

Matrix: Air

Analysis Batch: 151738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.7		ppb v/v		94	71 - 131
Benzene	20.0	20.5		ppb v/v		103	68 - 128
Benzyl chloride	20.0	16.9		ppb v/v		84	58 - 120
Bromodichloromethane	20.0	18.8		ppb v/v		94	65 - 130
Bromoform	20.0	20.0		ppb v/v		100	64 - 144
Bromomethane	20.0	23.1		ppb v/v		116	70 - 131

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 320-151738/4

Matrix: Air

Analysis Batch: 151738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	20.0	20.8		ppb v/v		104	71 - 131
Carbon disulfide	20.0	19.5		ppb v/v		97	63 - 123
Carbon tetrachloride	20.0	17.3		ppb v/v		87	67 - 127
Chlorobenzene	20.0	20.9		ppb v/v		104	70 - 132
Dibromochloromethane	20.0	19.3		ppb v/v		97	68 - 128
Chloroethane	20.0	23.6		ppb v/v		118	70 - 131
Chloroform	20.0	18.7		ppb v/v		93	69 - 129
Chloromethane	20.0	19.7		ppb v/v		99	67 - 127
1,2-Dibromoethane (EDB)	20.0	21.2		ppb v/v		106	68 - 131
1,2-Dichlorobenzene	20.0	20.9		ppb v/v		105	73 - 143
1,3-Dichlorobenzene	20.0	21.3		ppb v/v		107	77 - 136
1,4-Dichlorobenzene	20.0	21.6		ppb v/v		108	73 - 143
Dichlorodifluoromethane	20.0	19.3		ppb v/v		97	69 - 129
1,1-Dichloroethane	20.0	19.9		ppb v/v		99	65 - 125
1,2-Dichloroethane	20.0	18.4		ppb v/v		92	71 - 131
1,1-Dichloroethene	20.0	17.5		ppb v/v		87	53 - 128
cis-1,2-Dichloroethene	20.0	20.3		ppb v/v		102	68 - 128
trans-1,2-Dichloroethene	20.0	19.9		ppb v/v		100	70 - 130
1,2-Dichloropropane	20.0	19.7		ppb v/v		98	74 - 128
cis-1,3-Dichloropropene	20.0	22.9		ppb v/v		115	78 - 132
trans-1,3-Dichloropropene	20.0	19.0		ppb v/v		95	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.0	20.6		ppb v/v		103	64 - 124
Ethylbenzene	20.0	21.0		ppb v/v		105	76 - 136
4-Ethyltoluene	20.0	18.5		ppb v/v		93	62 - 136
Hexachlorobutadiene	20.0	15.8		ppb v/v		79	42 - 150
2-Hexanone	20.0	23.7		ppb v/v		118	70 - 128
Methylene Chloride	20.0	18.5		ppb v/v		93	65 - 125
4-Methyl-2-pentanone (MIBK)	20.0	22.5		ppb v/v		112	73 - 133
Styrene	20.0	21.9		ppb v/v		109	76 - 144
1,1,2,2-Tetrachloroethane	20.0	22.8		ppb v/v		114	75 - 135
Tetrachloroethene	20.0	19.0		ppb v/v		95	56 - 138
Toluene	20.0	20.6		ppb v/v		103	71 - 132
1,2,4-Trichlorobenzene	20.0	18.7		ppb v/v		93	59 - 150
1,1,1-Trichloroethane	20.0	18.0		ppb v/v		90	65 - 124
1,1,2-Trichloroethane	20.0	21.6		ppb v/v		108	71 - 131
Trichloroethene	20.0	19.9		ppb v/v		100	64 - 127
1,4-Dioxane	20.0	20.7		ppb v/v		104	55 - 141
Trichlorofluoromethane	20.0	18.5		ppb v/v		93	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.0		ppb v/v		95	50 - 132
1,2,4-Trimethylbenzene	20.0	19.4		ppb v/v		97	61 - 145
1,3,5-Trimethylbenzene	20.0	19.2		ppb v/v		96	65 - 136
Vinyl acetate	20.0	22.8		ppb v/v		114	77 - 134
Vinyl chloride	20.0	21.6		ppb v/v		108	69 - 129
m,p-Xylene	40.0	43.0		ppb v/v		107	75 - 138
o-Xylene	20.0	21.6		ppb v/v		108	77 - 132
Naphthalene	20.0	16.4		ppb v/v		82	58 - 150

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	48	44.5		ug/m3		94	71 - 131
Benzene	64	65.5		ug/m3		103	68 - 128
Benzyl chloride	100	87.5		ug/m3		84	58 - 120
Bromodichloromethane	130	126		ug/m3		94	65 - 130
Bromoform	210	207		ug/m3		100	64 - 144
Bromomethane	78	89.8		ug/m3		116	70 - 131
2-Butanone (MEK)	59	61.3		ug/m3		104	71 - 131
Carbon disulfide	62	60.6		ug/m3		97	63 - 123
Carbon tetrachloride	130	109		ug/m3		87	67 - 127
Chlorobenzene	92	96.1		ug/m3		104	70 - 132
Dibromochloromethane	170	165		ug/m3		97	68 - 128
Chloroethane	53	62.2		ug/m3		118	70 - 131
Chloroform	98	91.3		ug/m3		93	69 - 129
Chloromethane	41	40.8		ug/m3		99	67 - 127
1,2-Dibromoethane (EDB)	150	163		ug/m3		106	68 - 131
1,2-Dichlorobenzene	120	126		ug/m3		105	73 - 143
1,3-Dichlorobenzene	120	128		ug/m3		107	77 - 136
1,4-Dichlorobenzene	120	130		ug/m3		108	73 - 143
Dichlorodifluoromethane	99	95.5		ug/m3		97	69 - 129
1,1-Dichloroethane	81	80.5		ug/m3		99	65 - 125
1,2-Dichloroethane	81	74.5		ug/m3		92	71 - 131
1,1-Dichloroethene	79	69.3		ug/m3		87	53 - 128
cis-1,2-Dichloroethene	79	80.6		ug/m3		102	68 - 128
trans-1,2-Dichloroethene	79	79.0		ug/m3		100	70 - 130
1,2-Dichloropropane	92	91.0		ug/m3		98	74 - 128
cis-1,3-Dichloropropene	91	104		ug/m3		115	78 - 132
trans-1,3-Dichloropropene	91	86.3		ug/m3		95	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	144		ug/m3		103	64 - 124
Ethylbenzene	87	91.1		ug/m3		105	76 - 136
4-Ethyltoluene	98	91.2		ug/m3		93	62 - 136
Hexachlorobutadiene	210	169		ug/m3		79	42 - 150
2-Hexanone	82	97.1		ug/m3		118	70 - 128
Methylene Chloride	69	64.3		ug/m3		93	65 - 125
4-Methyl-2-pentanone (MIBK)	82	92.1		ug/m3		112	73 - 133
Styrene	85	93.3		ug/m3		109	76 - 144
1,1,2,2-Tetrachloroethane	140	157		ug/m3		114	75 - 135
Tetrachloroethene	140	129		ug/m3		95	56 - 138
Toluene	75	77.8		ug/m3		103	71 - 132
1,2,4-Trichlorobenzene	150	139		ug/m3		93	59 - 150
1,1,1-Trichloroethane	110	98.4		ug/m3		90	65 - 124
1,1,2-Trichloroethane	110	118		ug/m3		108	71 - 131
Trichloroethene	110	107		ug/m3		100	64 - 127
1,4-Dioxane	72	74.8		ug/m3		104	55 - 141
Trichlorofluoromethane	110	104		ug/m3		93	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	150	146		ug/m3		95	50 - 132
1,2,4-Trimethylbenzene	98	95.5		ug/m3		97	61 - 145
1,3,5-Trimethylbenzene	98	94.2		ug/m3		96	65 - 136
Vinyl acetate	70	80.2		ug/m3		114	77 - 134
Vinyl chloride	51	55.3		ug/m3		108	69 - 129
m,p-Xylene	170	187		ug/m3		107	75 - 138
o-Xylene	87	93.7		ug/m3		108	77 - 132
Naphthalene	100	86.1		ug/m3		82	58 - 150

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 320-151738/4

Matrix: Air

Analysis Batch: 151738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 320-151738/5

Matrix: Air

Analysis Batch: 151738

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
Acetone	20.0	18.8		ppb v/v		94	71 - 131	1	25
Benzene	20.0	21.1		ppb v/v		105	68 - 128	3	25
Benzyl chloride	20.0	17.9		ppb v/v		89	58 - 120	6	25
Bromodichloromethane	20.0	19.4		ppb v/v		97	65 - 130	3	25
Bromoform	20.0	21.0		ppb v/v		105	64 - 144	5	25
Bromomethane	20.0	23.1		ppb v/v		116	70 - 131	0	25
2-Butanone (MEK)	20.0	21.2		ppb v/v		106	71 - 131	2	25
Carbon disulfide	20.0	19.9		ppb v/v		99	63 - 123	2	25
Carbon tetrachloride	20.0	17.5		ppb v/v		88	67 - 127	1	25
Chlorobenzene	20.0	22.1		ppb v/v		110	70 - 132	6	25
Dibromochloromethane	20.0	20.2		ppb v/v		101	68 - 128	4	25
Chloroethane	20.0	23.6		ppb v/v		118	70 - 131	0	25
Chloroform	20.0	18.9		ppb v/v		94	69 - 129	1	25
Chloromethane	20.0	20.4		ppb v/v		102	67 - 127	3	25
1,2-Dibromoethane (EDB)	20.0	22.0		ppb v/v		110	68 - 131	4	25
1,2-Dichlorobenzene	20.0	22.1		ppb v/v		111	73 - 143	5	25
1,3-Dichlorobenzene	20.0	22.5		ppb v/v		112	77 - 136	5	25
1,4-Dichlorobenzene	20.0	22.9		ppb v/v		114	73 - 143	6	25
Dichlorodifluoromethane	20.0	19.1		ppb v/v		95	69 - 129	1	25
1,1-Dichloroethane	20.0	20.1		ppb v/v		101	65 - 125	1	25
1,2-Dichloroethane	20.0	18.7		ppb v/v		94	71 - 131	2	25
1,1-Dichloroethene	20.0	17.5		ppb v/v		88	53 - 128	0	25
cis-1,2-Dichloroethene	20.0	20.8		ppb v/v		104	68 - 128	2	25
trans-1,2-Dichloroethene	20.0	20.3		ppb v/v		102	70 - 130	2	25
1,2-Dichloropropane	20.0	19.9		ppb v/v		100	74 - 128	1	25
cis-1,3-Dichloropropene	20.0	23.8		ppb v/v		119	78 - 132	4	25
trans-1,3-Dichloropropene	20.0	19.9		ppb v/v		100	56 - 136	5	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.0	21.3		ppb v/v		106	64 - 124	3	25
Ethylbenzene	20.0	22.0		ppb v/v		110	76 - 136	5	25
4-Ethyltoluene	20.0	19.4		ppb v/v		97	62 - 136	5	25
Hexachlorobutadiene	20.0	16.6		ppb v/v		83	42 - 150	5	25
2-Hexanone	20.0	25.2		ppb v/v		126	70 - 128	6	25
Methylene Chloride	20.0	18.5		ppb v/v		92	65 - 125	0	25
4-Methyl-2-pentanone (MIBK)	20.0	23.7		ppb v/v		118	73 - 133	5	25
Styrene	20.0	23.3		ppb v/v		116	76 - 144	6	25
1,1,1,2-Tetrachloroethane	20.0	23.8		ppb v/v		119	75 - 135	4	25
Tetrachloroethene	20.0	20.2		ppb v/v		101	56 - 138	6	25
Toluene	20.0	21.5		ppb v/v		107	71 - 132	4	25

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 320-151738/5

Client Sample ID: Lab Control Sample Dup

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151738

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	20.0	20.1		ppb v/v		101	59 - 150	7	25
1,1,1-Trichloroethane	20.0	17.7		ppb v/v		89	65 - 124	2	25
1,1,2-Trichloroethane	20.0	22.7		ppb v/v		113	71 - 131	5	25
Trichloroethene	20.0	20.9		ppb v/v		104	64 - 127	5	25
1,4-Dioxane	20.0	21.7		ppb v/v		108	55 - 141	4	25
Trichlorofluoromethane	20.0	18.5		ppb v/v		93	68 - 128	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.3		ppb v/v		97	50 - 132	2	25
1,2,4-Trimethylbenzene	20.0	20.8		ppb v/v		104	61 - 145	7	25
1,3,5-Trimethylbenzene	20.0	20.2		ppb v/v		101	65 - 136	5	25
Vinyl acetate	20.0	23.5		ppb v/v		117	77 - 134	3	25
Vinyl chloride	20.0	21.9		ppb v/v		110	69 - 129	1	25
m,p-Xylene	40.0	44.6		ppb v/v		112	75 - 138	4	25
o-Xylene	20.0	22.5		ppb v/v		112	77 - 132	4	25
Naphthalene	20.0	17.8		ppb v/v		89	58 - 150	8	25
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	48	44.8		ug/m3		94	71 - 131	1	25
Benzene	64	67.4		ug/m3		105	68 - 128	3	25
Benzyl chloride	100	92.5		ug/m3		89	58 - 120	6	25
Bromodichloromethane	130	130		ug/m3		97	65 - 130	3	25
Bromoform	210	217		ug/m3		105	64 - 144	5	25
Bromomethane	78	89.8		ug/m3		116	70 - 131	0	25
2-Butanone (MEK)	59	62.5		ug/m3		106	71 - 131	2	25
Carbon disulfide	62	61.9		ug/m3		99	63 - 123	2	25
Carbon tetrachloride	130	110		ug/m3		88	67 - 127	1	25
Chlorobenzene	92	102		ug/m3		110	70 - 132	6	25
Dibromochloromethane	170	172		ug/m3		101	68 - 128	4	25
Chloroethane	53	62.2		ug/m3		118	70 - 131	0	25
Chloroform	98	92.1		ug/m3		94	69 - 129	1	25
Chloromethane	41	42.2		ug/m3		102	67 - 127	3	25
1,2-Dibromoethane (EDB)	150	169		ug/m3		110	68 - 131	4	25
1,2-Dichlorobenzene	120	133		ug/m3		111	73 - 143	5	25
1,3-Dichlorobenzene	120	135		ug/m3		112	77 - 136	5	25
1,4-Dichlorobenzene	120	138		ug/m3		114	73 - 143	6	25
Dichlorodifluoromethane	99	94.2		ug/m3		95	69 - 129	1	25
1,1-Dichloroethane	81	81.4		ug/m3		101	65 - 125	1	25
1,2-Dichloroethane	81	75.8		ug/m3		94	71 - 131	2	25
1,1-Dichloroethene	79	69.5		ug/m3		88	53 - 128	0	25
cis-1,2-Dichloroethene	79	82.4		ug/m3		104	68 - 128	2	25
trans-1,2-Dichloroethene	79	80.5		ug/m3		102	70 - 130	2	25
1,2-Dichloropropane	92	92.0		ug/m3		100	74 - 128	1	25
cis-1,3-Dichloropropene	91	108		ug/m3		119	78 - 132	4	25
trans-1,3-Dichloropropene	91	90.4		ug/m3		100	56 - 136	5	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	149		ug/m3		106	64 - 124	3	25
Ethylbenzene	87	95.6		ug/m3		110	76 - 136	5	25
4-Ethyltoluene	98	95.6		ug/m3		97	62 - 136	5	25
Hexachlorobutadiene	210	178		ug/m3		83	42 - 150	5	25

TestAmerica Sacramento

QC Sample Results

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 320-151738/5

Client Sample ID: Lab Control Sample Dup

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 151738

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	82	103		ug/m3		126	70 - 128	6	25
Methylene Chloride	69	64.2		ug/m3		92	65 - 125	0	25
4-Methyl-2-pentanone (MIBK)	82	97.0		ug/m3		118	73 - 133	5	25
Styrene	85	99.1		ug/m3		116	76 - 144	6	25
1,1,2,2-Tetrachloroethane	140	164		ug/m3		119	75 - 135	4	25
Tetrachloroethene	140	137		ug/m3		101	56 - 138	6	25
Toluene	75	81.0		ug/m3		107	71 - 132	4	25
1,2,4-Trichlorobenzene	150	149		ug/m3		101	59 - 150	7	25
1,1,1-Trichloroethane	110	96.8		ug/m3		89	65 - 124	2	25
1,1,2-Trichloroethane	110	124		ug/m3		113	71 - 131	5	25
Trichloroethene	110	112		ug/m3		104	64 - 127	5	25
1,4-Dioxane	72	78.1		ug/m3		108	55 - 141	4	25
Trichlorofluoromethane	110	104		ug/m3		93	68 - 128	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane	150	148		ug/m3		97	50 - 132	2	25
1,2,4-Trimethylbenzene	98	102		ug/m3		104	61 - 145	7	25
1,3,5-Trimethylbenzene	98	99.3		ug/m3		101	65 - 136	5	25
Vinyl acetate	70	82.7		ug/m3		117	77 - 134	3	25
Vinyl chloride	51	56.0		ug/m3		110	69 - 129	1	25
m,p-Xylene	170	194		ug/m3		112	75 - 138	4	25
o-Xylene	87	97.6		ug/m3		112	77 - 132	4	25
Naphthalene	100	93.5		ug/m3		89	58 - 150	8	25

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Association Summary

Client: PES Environmental, Inc.
 Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Air - GC/MS VOA

Analysis Batch: 151527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-25697-1	SVE-14	Total/NA	Air	TO-15	
320-25697-2	SVE-15	Total/NA	Air	TO-15	
320-25697-3	SVE-16	Total/NA	Air	TO-15	
320-25697-4	SVE-17	Total/NA	Air	TO-15	
320-25697-5	SVE-18	Total/NA	Air	TO-15	
320-25697-6	SVE-19	Total/NA	Air	TO-15	
320-25697-7	SVE-13	Total/NA	Air	TO-15	
MB 320-151527/9	Method Blank	Total/NA	Air	TO-15	
LCS 320-151527/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 320-151527/5	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 151738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-25697-3 - DL	SVE-16	Total/NA	Air	TO-15	
320-25697-8	SVE-12	Total/NA	Air	TO-15	
320-25697-9	SVE-11	Total/NA	Air	TO-15	
320-25697-10	SVE-10	Total/NA	Air	TO-15	
320-25697-11	SVE-9	Total/NA	Air	TO-15	
320-25697-12	SVE-INFLUENT	Total/NA	Air	TO-15	
320-25697-13	SVE-2	Total/NA	Air	TO-15	
320-25697-14	SVE-3	Total/NA	Air	TO-15	
320-25697-15	SVE-4	Total/NA	Air	TO-15	
320-25697-16	SVE-5	Total/NA	Air	TO-15	
320-25697-17	SVE-6	Total/NA	Air	TO-15	
320-25697-18	SVE-7	Total/NA	Air	TO-15	
MB 320-151738/9	Method Blank	Total/NA	Air	TO-15	
LCS 320-151738/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 320-151738/5	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-14

Date Collected: 02/09/17 11:45

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	507 mL	250 mL	151527	02/21/17 17:54	AP1	TAL SAC

Client Sample ID: SVE-15

Date Collected: 02/09/17 11:46

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	529 mL	250 mL	151527	02/21/17 18:51	AP1	TAL SAC

Client Sample ID: SVE-16

Date Collected: 02/09/17 12:05

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	518 mL	250 mL	151527	02/21/17 19:48	AP1	TAL SAC
Total/NA	Analysis	TO-15	DL	3.05	170 mL	250 mL	151738	02/22/17 22:04	AP1	TAL SAC

Client Sample ID: SVE-17

Date Collected: 02/09/17 12:06

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	500 mL	250 mL	151527	02/21/17 20:45	AP1	TAL SAC

Client Sample ID: SVE-18

Date Collected: 02/09/17 12:07

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	521 mL	250 mL	151527	02/21/17 21:42	AP1	TAL SAC

Client Sample ID: SVE-19

Date Collected: 02/09/17 12:29

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-6

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	527 mL	250 mL	151527	02/21/17 22:39	AP1	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-13

Date Collected: 02/09/17 12:30

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-7

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	524 mL	250 mL	151527	02/21/17 23:36	AP1	TAL SAC

Client Sample ID: SVE-12

Date Collected: 02/09/17 12:31

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-8

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	444 mL	250 mL	151738	02/22/17 23:00	AP1	TAL SAC

Client Sample ID: SVE-11

Date Collected: 02/09/17 12:55

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-9

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	512 mL	250 mL	151738	02/22/17 23:57	AP1	TAL SAC

Client Sample ID: SVE-10

Date Collected: 02/09/17 12:56

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-10

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	528 mL	250 mL	151738	02/23/17 00:54	AP1	TAL SAC

Client Sample ID: SVE-9

Date Collected: 02/09/17 12:57

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-11

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	541 mL	250 mL	151738	02/23/17 01:52	AP1	TAL SAC

Client Sample ID: SVE-INFLUENT

Date Collected: 02/09/17 13:21

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-12

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	519 mL	250 mL	151738	02/23/17 02:49	AP1	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Client Sample ID: SVE-2

Date Collected: 02/09/17 13:40

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-13

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	540 mL	250 mL	151738	02/23/17 03:47	AP1	TAL SAC

Client Sample ID: SVE-3

Date Collected: 02/09/17 13:41

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-14

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	553 mL	250 mL	151738	02/23/17 04:44	AP1	TAL SAC

Client Sample ID: SVE-4

Date Collected: 02/09/17 13:42

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-15

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	537 mL	250 mL	151738	02/23/17 05:42	AP1	TAL SAC

Client Sample ID: SVE-5

Date Collected: 02/09/17 14:10

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-16

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	514 mL	250 mL	151738	02/23/17 06:55	AP1	TAL SAC

Client Sample ID: SVE-6

Date Collected: 02/09/17 14:11

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-17

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	506 mL	250 mL	151738	02/23/17 07:52	AP1	TAL SAC

Client Sample ID: SVE-7

Date Collected: 02/09/17 14:12

Date Received: 02/11/17 09:15

Lab Sample ID: 320-25697-18

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	448 mL	250 mL	151738	02/23/17 08:48	AP1	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Sacramento

Certification Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Laboratory: TestAmerica Sacramento

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Oregon	NELAP	10	4040	01-28-18

1

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Method Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

- 1
- 2
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Sample Summary

Client: PES Environmental, Inc.
Project/Site: 6701 Shellmound St, Emeryville Air

TestAmerica Job ID: 320-25697-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-25697-1	SVE-14	Air	02/09/17 11:45	02/11/17 09:15
320-25697-2	SVE-15	Air	02/09/17 11:46	02/11/17 09:15
320-25697-3	SVE-16	Air	02/09/17 12:05	02/11/17 09:15
320-25697-4	SVE-17	Air	02/09/17 12:06	02/11/17 09:15
320-25697-5	SVE-18	Air	02/09/17 12:07	02/11/17 09:15
320-25697-6	SVE-19	Air	02/09/17 12:29	02/11/17 09:15
320-25697-7	SVE-13	Air	02/09/17 12:30	02/11/17 09:15
320-25697-8	SVE-12	Air	02/09/17 12:31	02/11/17 09:15
320-25697-9	SVE-11	Air	02/09/17 12:55	02/11/17 09:15
320-25697-10	SVE-10	Air	02/09/17 12:56	02/11/17 09:15
320-25697-11	SVE-9	Air	02/09/17 12:57	02/11/17 09:15
320-25697-12	SVE-INFLUENT	Air	02/09/17 13:21	02/11/17 09:15
320-25697-13	SVE-2	Air	02/09/17 13:40	02/11/17 09:15
320-25697-14	SVE-3	Air	02/09/17 13:41	02/11/17 09:15
320-25697-15	SVE-4	Air	02/09/17 13:42	02/11/17 09:15
320-25697-16	SVE-5	Air	02/09/17 14:10	02/11/17 09:15
320-25697-17	SVE-6	Air	02/09/17 14:11	02/11/17 09:15
320-25697-18	SVE-7	Air	02/09/17 14:12	02/11/17 09:15

Login Sample Receipt Checklist

Client: PES Environmental, Inc.

Job Number: 320-25697-1

Login Number: 25697

List Source: TestAmerica Sacramento

List Number: 1

Creator: Hytrek, Cheryl

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
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.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	