ANTON EMERYVILLE, LLC

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July 5, 2017

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By Alameda County Environmental Health 2:12 pm, Jul 07, 2017

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

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

TRANSMITTAL LETTER
REMEDIAL PROGRESS REPORT NO. 8
SOIL VAPOR EXTRACTION SYSTEM OPERATION
JUNE 1, 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. 8, Soil Vapor Extraction System Operation, June 1, 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

R. Green

Rachel Green
Senior Development Manager

PES Environmental, Inc.
Engineering & Environmental Services

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. 8
June 1, 2017 through June 30, 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. 8 on behalf of Anton Emeryville, LLC (Anton) for 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 (June 1 through June 30, 2017);

2. Summary tables and graphical presentation of laboratory analytical data for vapor samples; and

3. Anticipated activities for the following reporting period.

Operation of SVE as an interim remedial measure (IRM) was approved by the Alameda County Department of Environmental Health (ACEH) on November 8, 2016[1]. ACEH also requested submittal of monthly remedial progress reports to document operation, maintenance, field monitoring of the SVE system, and laboratory analytical results from periodic vapor samples collected from SVE wells. The SVE system was shut down on February 28, 2017 based on: (1) declining trends of detected concentrations of vinyl chloride in SVE well samples collected and analyzed between October 31, 2016 and February 9, 2017; and (2) laboratory analytical results of the February 9, 2017 vapor samples collected from SVE wells indicating concentrations of vinyl chloride the most conservative risk-based target cleanup levels (TCLs) presented in the November 2016 Human Health Risk Assessment Report[2]. The SVE system was not operated during the 92-day period between the February 28 and June 1, 2017.

This RPR includes a summary of routine operation and maintenance (O&M) conducted during the single day of operation to permit vapor rebound sampling of SVE wells on June 1, 2017. The rebound sampling was conducted as part of assessment of the effectiveness of the SVE system as an IRM in removing VOCs from the subsurface.

Summary of SVE Operations

The SVE system was re-started and operated on June 1, 2017 in accordance with methods and procedures for routine operation, maintenance, and monitoring as described in the O&M Plan[3]. Routine O&M activities were performed by Environmental Engineering, Consulting, and Remediation, Inc. (E2CR), and E2CR performed compliance monitoring of the SVE system in accordance with the Permit to Operate (PTO) permit issued on February 2, 2017 by the Bay Area Air Monitoring District (BAAQMD).

As noted in previous RPRs[4], water intrusion into select SVE wells (primarily SVE-1 and SVE-8) has periodically been noted, attributable to the well-above-average precipitation levels received in the region over the 2016-2017 winter. Prior to conducting the SVE well vapor

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[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.

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

[3] PES Environmental, Inc. (PES), 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.

[4] PES, 2017. *Remedial Progress Report No. 4, Soil Vapor System Operations from January 17 through February 28, 2016, 6701, 6705, and 6707 Shellmound Street, Emeryville, California, Fuel Leak Case No. RO0000548, Geotracker Global Id T0600100894.* June 28.

rebound sample collection, depth-to-water (dtw) measurements were collected from all SVE wells (Table A1, presented in Appendix A). The dtw in the SVE wells ranged from 6.68 feet below ground surface (bgs; SVE-13) to 9.84 feet bgs (SVE-2). The average dtw was approximately 8.76 feet bgs.

Upon completion of the June 1, 2017 assessment, the SVE system was shut down.

Summary of SVE Monitoring

Influent, mid-point, and effluent monitoring was conducted by E2CR during the sampling event to confirm that all emissions were abated in compliance with the PTO. A summary of field measurements collected by E2CR are presented in Table 1. SVE well field measurements are presented in Table 2.

During the June 1 rebound event, observed operating vacuum was approximately 4.20 inches of mercury, and the approximate operating total flow rate during rebound testing was 781 standard cubic feet per minute (scfm).

Laboratory Analytical Results for SVE Well Vapor Rebound Samples

Vapor samples were collected from all 19 extraction wells (SVE-1 through SVE-19), and from four shallow soil vapor monitoring probes (SVP-1-3.5, SVP-3-3.5, SVP-4-3.5, and SVP-6-3.5). 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 TCLs for vinyl chloride, presented in the November 2016 Human Health Risk Assessment Report[5], are also graphically indicated on Plate 2. As indicated on Plate 2 and in Table 3, with the exceptions of vapor samples collected from well SVE-16 and adjacent soil vapor monitoring probe SVP-6-3.5, vinyl chloride concentrations in 17 of 19 SVE wells were below the conservative risk-based 1×10^{-5} TCL of 473 μg/m3.

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

PSE recommends operation of the SVE system on a periodic basis (e.g., one week per month) to reduce VOC concentrations in soil vapor beneath the site. Periodic operation SVE system should continue until demolition of the on-site building is conducted, to the extent practicable. PES expects the periodic operation of the SVE system will commence in July 2017 (the next reporting period).

Please call either of the undersigned at (415)-899-1600 if you have any questions.

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	Depth-to-Water Measurements
	Appendix B	Laboratory Analytical Report and Chain-of-Custody Documentation

TABLES

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

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	0.7	0.28
12/9/16	4.9	761	4.07	0.6	0.011	0.8	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	1.0	0.29
12/15/16	4.9	762	4.10	0.4	0.011	0.6	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, Cailifornia

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	0.0	0.0003	0.0	0.29
1/18/17	4.22	781	4.08	0.0	0.0003	0.0	0.29
1/19/17	4.24	780	4.09	0.0	0.0003	0.0	0.29
1/20/17	4.22	781	4.08	0.0	0.0003	0.0	0.29
1/23/17	4.61	769	4.45	0.0	0.0003	0.0	0.29
1/24/17	4.13	784	4.02	0.0	0.0003	0.0	0.29
1/25/17	4.14	783	4.02	0.0	0.0003	0.0	0.29
1/26/17	4.16	783	4.06	0.0	0.0003	0.0	0.29
1/30/17	4.25	780	4.14	0.0	0.0003	0.0	0.29
1/31/17	4.08	785	3.97	0.0	0.0003	0.0	0.29
2/1/17	4.09	785	3.95	0.0	0.0003	0.0	0.29
2/2/17	4.10	784	3.96	0.0	0.0003	0.0	0.29
2/3/17	4.25	780	3.95	0.0	0.0003	0.1	0.29
2/6/17	4.25	780	4.05	0.0	0.0003	0.0	0.29
2/7/17	4.28	779	4.08	0.0	0.0003	0.0	0.29
2/8/17	4.37	776	4.13	0.0	0.0003	0.0	0.29
2/9/17	4.89	760	4.15	0.0	0.0003	0.0	0.29
2/10/17	4.18	782	4.05	0.0	0.0003	0.0	0.29
2/13/17	4.45	774	4.28	0.0	0.0003	0.3	0.29
2/28/17 [1]	4.12	784	3.98	0.0	0.0003	0.0	0.29
6/1/17	4.20	781	4.00	0.80	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/m^3 = 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 ($\mu g/m^3$)	TCE ($\mu g/m^3$)	cis-1,2-DCE ($\mu g/m^3$)	trans-1,2-DCE ($\mu g/m^3$)	Vinyl chloride ($\mu g/m^3$)	1,1,1-TCA ($\mu g/m^3$)	1,1,2,2-PCA ($\mu g/m^3$)	MEK ($\mu g/m^3$)	MIBK ($\mu g/m^3$)	Acetone ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	Ethylbenzene ($\mu g/m^3$)	m,p-Xylene ($\mu g/m^3$)	o-Xylene ($\mu g/m^3$)	1,2,4-TMB ($\mu g/m^3$)	1,3,5-TMB ($\mu g/m^3$)	1,3-DCB ($\mu g/m^3$)	4-Ethyltoluene ($\mu g/m^3$)	Carbon disulfide ($\mu g/m^3$)	Chloroform ($\mu g/m^3$)	Other VOCs ($\mu g/m^3$)
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	
	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	150 (1,1-DCE)
	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	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	2.6 (Dichlorodifluoromethane)
	SVE-1	**6/1/2017**	5 to 10	< 2.7	**3.0**	**31**	**3.3**	**1.9**	< 1.6	< 2.7	**4.4**	< 1.6	**15**	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**12**	< 1.5	2 (Chloromethane)
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	
	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	2.8 (Methylene chloride), 2.2 (Trichlorofluoromethane), 1.7
	SVE-2	**6/1/2017**	5 to 10	< 12	< 9.9	< 7.3	< 7.3	< 4.7	< 7.5	< 13	< 11	< 7.5	< 55	**6.1**	< 6.9	< 8	< 16	< 8	< 18	< 9	< 11	< 9	**31**	< 6.7	
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	
	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	19 (Naphthalene)
	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	2.8 (Methylene chloride)
	SVE-3	**6/1/2017**	4 to 9	< 2.7	< 2.1	**1.6**	< 1.6	**1.5**	**4.6**	< 2.7	**5.3**	< 1.6	**18**	**9.3**	**3.5**	< 1.7	**7.7**	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 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)
	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	2.3 (Dichlorodifluoromethane)
	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	2.7 (Methylene chloride)
	SVE-4	**6/1/2017**	5 to 10	< 2.7	**9.0**	**23**	**5.0**	**28**	< 1.6	< 2.7	**3.9**	< 1.6	**25**	**41**	**9.1**	**4.2**	**16**	**9.5**	< 3.9	< 2	< 2.4	< 2	**70**	< 1.5	4.5 (Dichlorodifluoromethane), 3.4 (1,1-DCE), 2.7 (1,2-DCB)
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)
	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	4.2 (1,1-DCE), 23 (1,4-DCB), 2.3 (Chloromethane)
	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	2.6 (Methylene chloride), 1.9 (Chloromethane)
	SVE-5	**6/1/2017**	5 to 10	< 2.7	**18**	**31**	**6.4**	**17**	< 1.6	< 2.7	< 2.4	< 1.6	< 12	**73**	**5.2**	**2.9**	**17**	**5.3**	< 3.9	< 2	**14**	< 2	**3.1**	< 1.5	3.4 (1,1-DCE), 24 (1,4-DCB)
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	
	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	2.1 (Chloromethane)
	SVE-6	**6/1/2017**	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 2.4	< 1.6	**41**	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 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	
	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	2 (Dichlorodifluoromethane), 1.7 (Methylene chloride)
	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	2.8 (Methylene chloride)
	SVE-7	**6/1/2017**	5 to 10	< 2.7	**2.7**	**22**	**5.3**	**86**	**2.7**	< 2.7	**7.0**	< 1.6	**36**	**16**	**2.4**	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**11**	< 1.5	10 (Chloroethane)
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-8	**6/1/2017**	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	**1.3**	**21**	< 2.7	**23**	< 1.6	**20**	**1.5**	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 1.5	
	SVE-8-DUP	**6/1/2017**	5 to 10	< 2.7	< 2.1	< 1.6	< 1.6	**1.2**	**21**	< 2.7	**20**	< 1.6	**15**	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**3.1**	< 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	
	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	2.2 (Dichlorodifluoromethane)
	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	3.4 (Methylene chloride)
	SVE-9	**6/1/2017**	5 to 10	< 2.7	< 2.1	**4.3**	< 1.6	**18**	< 1.6	< 2.7	**6.2**	< 1.6	**15**	**71**	**12**	**4.6**	**46**	**6.8**	**5.6**	**5.0**	< 2.4	< 2	**120**	< 1.5	6.4 (Chloroethane), 1.4 (1,1-DCA)
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	
	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	5.4 (1,1-DCE), 2.5 (Dichlorodifluoromethane), 1.7 (Methylene Chloride)
	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	2.9 (Methylene chloride), 2.3 (Trichlorofluoromethane), 2.1 (Chloromethane)
	SVE-10	**6/1/2017**	5 to 10	< 7.2	< 5.7	**12**	< 4.2	**180**	< 4.3	< 7.2	< 6.2	< 4.3	**32**	**53**	**4.7**	< 4.6	< 9.2	< 4.6	< 10	< 5.2	< 6.3	< 5.2	< 6.6	< 3.9	
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	
	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	3.4 (Methylene chloride)
	SVE-11	**6/1/2017**	5 to 10	< 2.7	< 2.1	**5.2**	< 1.6	**6.0**	< 1.6	< 2.7	**4.7**	< 1.6	**22**	**5.3**	**2.6**	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**20**	< 1.5	

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

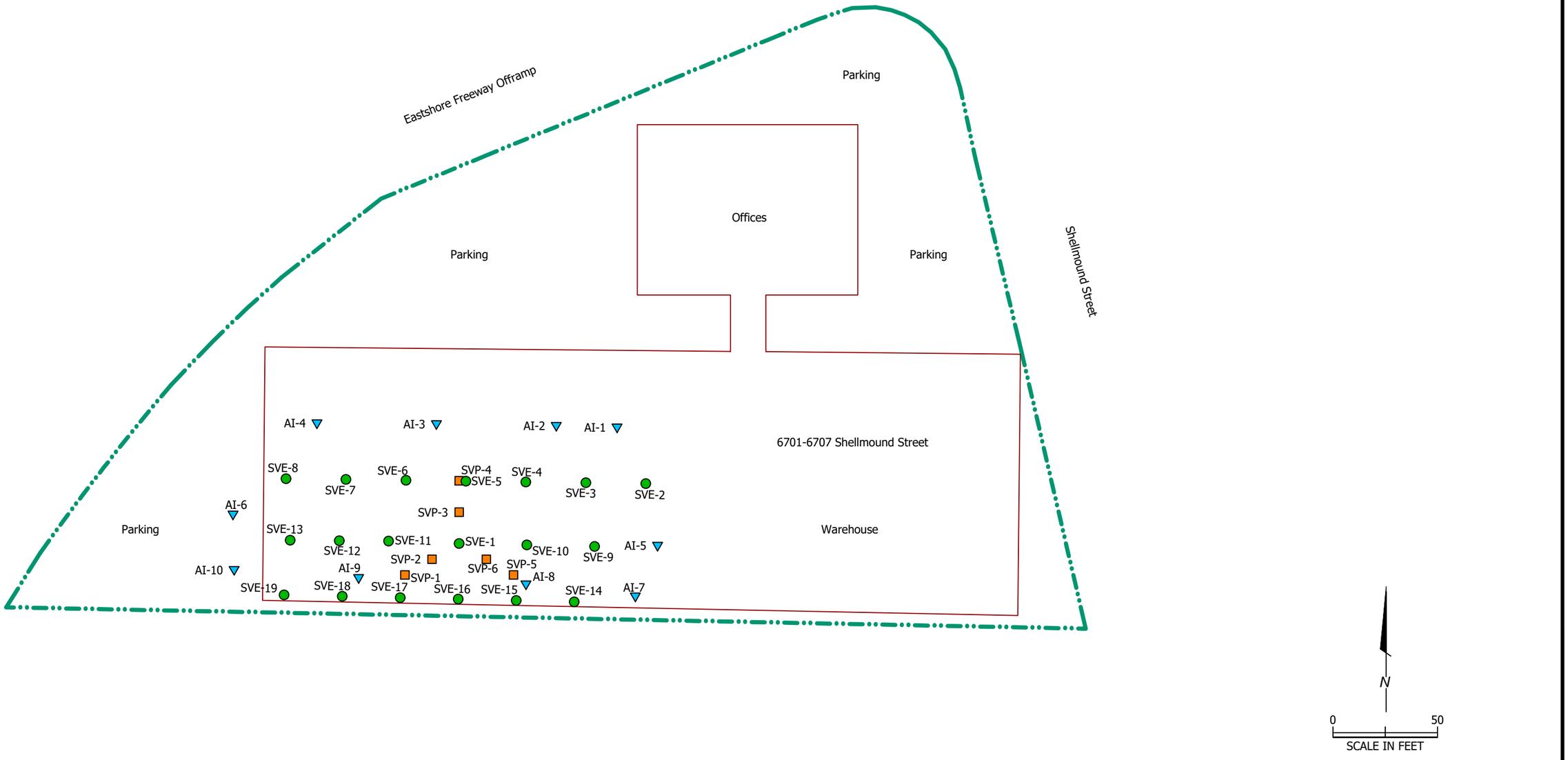
Sample Location	Sample ID	Date	Screened Interval (feet bgs)	PCE (µg/m³)	TCE (µg/m³)	cis-1,2-DCE (µg/m³)	trans-1,2-DCE (µg/m³)	Vinyl chloride (µg/m³)	1,1,1-TCA (µg/m³)	1,1,2,2-PCA (µg/m³)	MEK (µg/m³)	MIBK (µg/m³)	Acetone (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	m,p-Xylene (µg/m³)	o-Xylene (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)
	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	2 (Dichlorodifluoromethane)
	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	2.4 (Dichlorodifluoromethane)
	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	3.6 (Methylene chloride)
	SVE-12	**6/1/2017**	5 to 10	< 2.7	< 2.7	**21**	**5.3**	**2.7**	< 1.6	< 2.7	**4.1**	< 1.6	< 12	**3.7**	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**31**	< 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	
	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	2.8 (Methylene chloride), 2 (Chloromethane)
	SVE-13	**6/1/2017**	5 to 10	< 2.7	< 2.1	**26**	**4.7**	**4.2**	< 1.6	< 2.7	**11**	< 1.6	**16**	**5.0**	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**72**	< 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	
	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	5.1 (Methylene chloride), 2.1 (Chloromethane)
	SVE-14	**6/1/2017**	5 to 10	< 2.7	< 2.1	**1.7**	< 1.6	< 1	< 1.6	< 2.7	**9.9**	< 1.6	**17**	< 1.3	**1.7**	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	< 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	
	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	**54**	**2.2**	**8.9**	**6.2**	**25**	**7.8**	< 3.9	< 2	< 2	< 2.5	< 1.5	2.4 (Dichlorodifluoromethane)
	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	4.9 (Methylene chloride), 1.9 (Chloromethane)
	SVE-15	**6/1/2017**	5 to 10	< 18	< 15	< 11	< 11	**17**	< 11	< 19	**460**	< 11	**190**	< 8.7	< 10	< 12	< 24	< 12	< 27	< 13	< 16	< 13	< 17	< 10	
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	
	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	4 (Methylene chloride), 2.1 (Chloromethane)
	SVE-16	**6/1/2017**	5 to 10			**82,000**	**21,000**	**30,000**	<640	<1100	<920	<640	<4700	<500	<590	<680	<1400	<680	<5800	<770	<940	<770	<980	<570	
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	
	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	1.4 (Methylene chloride)
	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	2.5 (Dichlorodifluoromethane)
	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	3.8 (Methylene chloride)
	SVE-17	**6/1/2017**	5 to 10	< 2.7	< 2.1	**6.2**	**3.9**	**22**	< 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	**4.2**	< 1.5	
	SVE-17-DUP	**6/1/2017**	5 to 10	< 4.4	< 3.5	**28**	**13**	**130**	< 2.6	< 4.4	< 3.8	< 2.6	< 19	**4.9**	< 2.4	< 2.8	< 5.6	< 2.8	< 6.3	< 3.2	< 3.9	< 3.2	< 4	< 2.4	
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	
	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	SVE-11,	< 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	2.5 (Dichlorodifluoromethane)
	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	3.3 (Methylene chloride), 1.7 (Chloromethane)
	SVE-18	**6/1/2007**	5 to 10	< 2.7	< 2.1	**3.6**	< 1.6	**2.5**	< 1.6	< 2.7	<2.4	< 1.6	< 1.6	**3.0**	<1.5	< 1.7	**3.5**	**1.7**	< 3.9	< 2	< 2.4	< 2	**4.2**	< 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	
	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	2.1 (Chloromethane)
	SVE-19	**6/1/2017**	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	**7.9**	< 1.5	
Soil Vapor Monitoring Probes																									
SVP-1-3.5	SVP-1-3.5	**6/1/2017**	3.5	< 2.7	**21**	**8.6**	< 1.6	**1.2**	< 1.6	< 2.7	< 2.4	< 1.6	**27**	**1.9**	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	< 2.5	**3.1**	
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-3-3.5	SVP-3-3.5	**6/1/2017**	3.5	< 2.7	**2.3**	< 1.6	< 1.6	< 1	< 1.6	< 2.7	< 2.4	< 1.6	< 12	< 1.3	< 1.5	< 1.7	**7.8**	**2.9**	< 3.9	< 2	< 2.4	< 2	**2.6**	< 1.5	
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-4-3.5	**6/1/2017**	3.5	< 2.7	**4.1**	< 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	
	SVP-4-3.5-DUP	**6/1/2017**	3.5	< 2.7	**4.1**	< 1.6	< 1.6	**4.8**	**3.0**	< 2.7	< 2.4	< 1.6	< 12	< 1.3	< 1.5	< 1.7	< 3.5	< 1.7	< 3.9	< 2	< 2.4	< 2	**10**	< 1.5	
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-6-3.5	**6/1/2017**	3.5	< 190	< 150	**320**	< 110	**5,700**	< 120	< 190	< 170	< 120	< 840	< 91	< 110	< 120	< 250	< 120	< 280	< 140	< 170	< 140	< 180	< 100	
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	
Residential Land Use ESL [1]				*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*
Commercial/Industrial Land Use ESL [2]				*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*
Residential TCL(Target LECR = 10-4)				--	--	*11,000*	--	*4,700*	--	*11,500*	--	--	--	*4,600*	--	*121,300*	--	--	--	--	--	--	--	--	--
Commercial/Industrial TCL(Target LECR = 10-4)				--	--	*92,400*	--	*41,300*	--	*101,200*	--	--	--	*39, 200*	--	*NA*	--	--	--	--	--	--	--	--	--
Residential TCL(Target LECR = 10-5)				--	--	*11,000*	--	*473*	--	*1,100*	--	--	--	*1,400*	--	*12,100*	--	--	--	--	--	--	--	--	--
Commercial/Industrial TCL(Target LECR = 10-5)				--	--	*92,400*	--	*4,100*	--	*10,100*	--	--	--	*12,600*	--	*NA*	--	--	--	--	--	--	--	--	--
Residential TCL(Target LECR = 10-6)				--	--	*11,000*	--	*47*	--	*116*	--	--	--	*145*	--	*1,200*	--	--	--	--	--	--	--	--	--
Commercial/Industrial TCL(Target LECR = 10-6)				--	--	*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

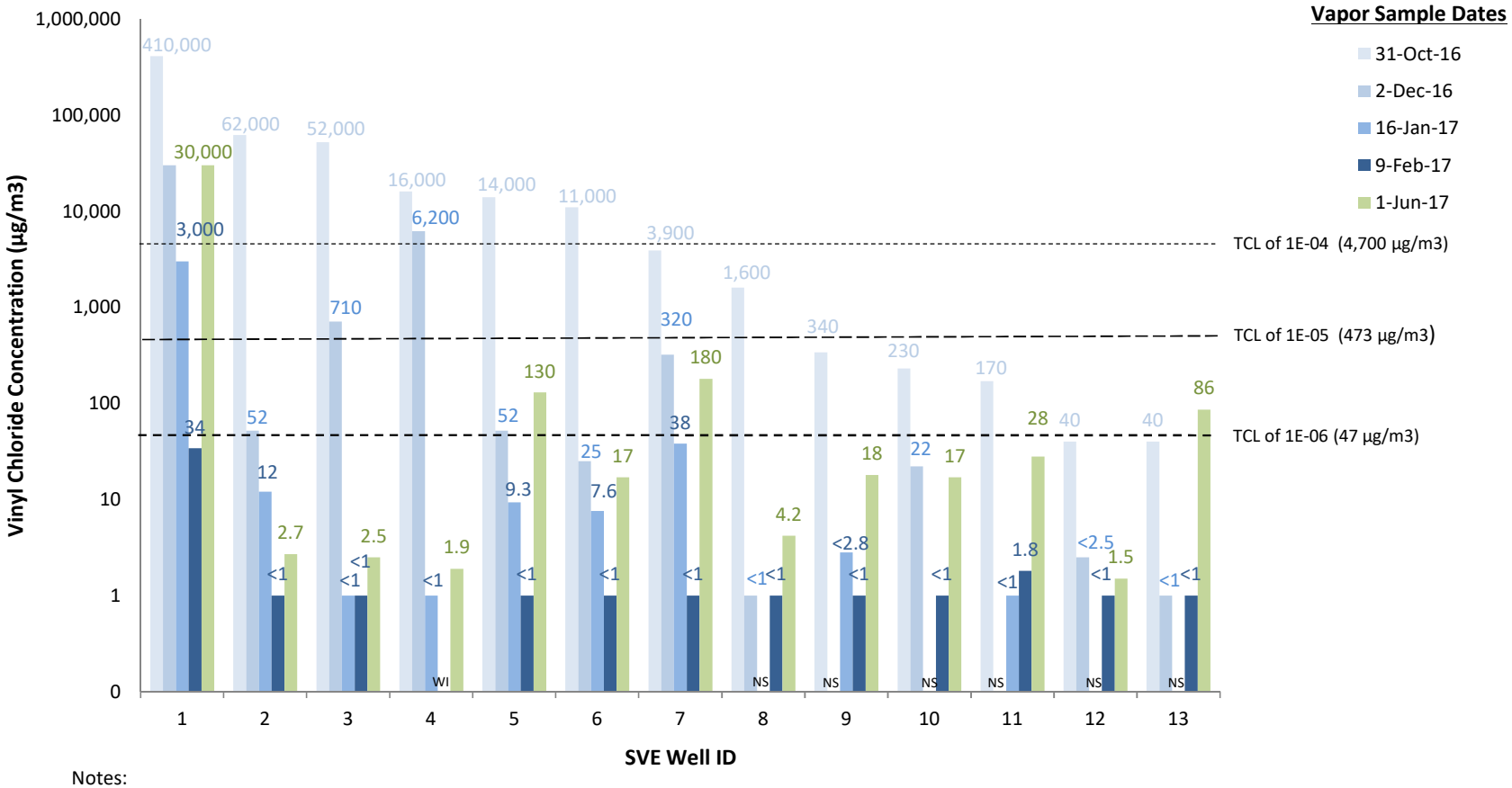


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and SVE/Air Inlet Well and Probe Locations
6701, 6705, and 6707 Shellmound Street
Emeryville, California

PLATE
1

1448.001.03.006	144800103006_RPRv2_1	CJB	7/17
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



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

1448.001.03.006	144800103006.xlsx	CJB	6/17
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

DEPTH-TO-WATER MEASUREMENTS

Table A1
Summary of SVE Depth-to-Water Measurements
6701 - 6707 Shellmound Street
Emeryville, California

Well Identification	Well Screen Interval (feet bgs)	Sand Pack Interval (feet bgs)	Depth-to-Water, feet bgs
			1-Jun-17
SVE-1	5 to 10	4.5 to 10.66	8.63
SVE-2	5 to 10	4.5 to 10.66	9.84
SVE-3	3.96 to 8.96	3.42 to 9.42	8.02
SVE-4	5 to 10	4.5 to 10.625	9.73
SVE-5	5 to 10	4.5 to 10.625	9.66
SVE-6	5 to 10	4.5 to 10.75	8.88
SVE-7	5 to 10	4.5 to 10.75	9.38
SVE-8	5 to 10	4.5 to 10.66	9.73
SVE-9	5 to 10	4.5 to 10.58	9.28
SVE-10	5 to 10	4.5 to 10.58	9.31
SVE-11	5 to 10	4.5 to 10.46	8.39
SVE-12	5 to 10	4.5 to 11.17	8.38
SVE-13	5 to 10	4.5 to 10.58	6.68
SVE-14	5 to 10	4.5 to 10.66	9.33
SVE-15	5 to 10	4.5 to 10.58	7.55
SVE-16	5 to 10	4.5 to 10.66	8.43
SVE-17	4.79 to 9.79	4.25 to 10.42	8.58
SVE-18	5 to 10	4.5 to 11.08	8.69
SVE-19	5 to 10	4.5 to 10.66	7.88

Notes:
feet bgs = feet below ground surface (top of concrete floor slab)

APPENDIX B

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

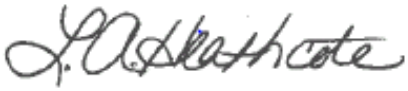
ANALYTICAL REPORT

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

TestAmerica Job ID: 320-28795-1
Client Project/Site: Anton Emeryville Air

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

Attn: Mr. Chris Baldassari



Authorized for release by:
6/16/2017 4:11:39 PM

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

Table of Contents

Glossary

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

Job ID: 320-28795-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-28795-1

Receipt
The samples were received on 6/3/2017 9:04 AM; the samples arrived in good condition.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): SVE-5 (320-28795-4) canister ID is 34000946, while the COC lists 0094; SVP-4-3.5 (320-28795-24) canister ID is 34001965, while the COC lists 34001946.

Air - GC/MS VOA
Method(s) TO-15: The following sample was diluted due to the abundance of non-target analytes: SVE-2 (320-28795-1). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-2 — Lab Sample ID: 320-28795-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.9		1.8		ppb v/v	4.59		TO-15	Total/NA
Carbon disulfide	10		3.7		ppb v/v	4.59		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.1		5.9		ug/m3	4.59		TO-15	Total/NA
Carbon disulfide	31		11		ug/m3	4.59		TO-15	Total/NA

Client Sample ID: SVE-3 — Lab Sample ID: 320-28795-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.5		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	2.9		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
cis-1,2-Dichloroethene	0.40		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.94		0.40		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.85		0.30		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.59		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.8		0.80		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	9.3		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	5.3		2.4		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.6		1.6		ug/m3	1		TO-15	Total/NA
Toluene	3.5		1.5		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	4.6		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.5		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	7.7		3.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-4 — Lab Sample ID: 320-28795-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	13		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
Carbon disulfide	23		0.80		ppb v/v	1		TO-15	Total/NA
1,2-Dichlorobenzene	0.44		0.40		ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.92		0.40		ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.86		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	1.3		0.40		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.96		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.40		ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.7		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	11		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.8		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	2.2		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		12		ug/m3	1		TO-15	Total/NA
Benzene	41		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	70		2.5		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE-4 (Continued) — Lab Sample ID: 320-28795-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.7		2.4		ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.5		2.0		ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	3.4		3.2		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	5.0		1.6		ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.2		1.7		ug/m3	1		TO-15	Total/NA
Toluene	9.1		1.5		ug/m3	1		TO-15	Total/NA
Trichloroethene	9.0		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	28		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	16		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	9.5		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-5 — Lab Sample ID: 320-28795-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	23		0.40		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.99		0.80		ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	2.4		0.40		ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	4.1		0.40		ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.87		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	7.9		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.6		0.40		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
Trichloroethene	3.4		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	6.7		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.8		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	1.2		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	73		1.3		ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.1		2.5		ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	14		2.4		ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	24		2.4		ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	3.4		3.2		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	31		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	6.4		1.6		ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.9		1.7		ug/m3	1		TO-15	Total/NA
Toluene	5.2		1.5		ug/m3	1		TO-15	Total/NA
Trichloroethene	18		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	17		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	17		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	5.3		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-6 — Lab Sample ID: 320-28795-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		5.0		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		12		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-7 — Lab Sample ID: 320-28795-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	5.1		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
Carbon disulfide	3.6		0.80		ppb v/v	1		TO-15	Total/NA
Chloroethane	3.9		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.6		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.3		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.64		0.40		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.49		0.30		ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.49		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	34		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	36		12		ug/m3	1		TO-15	Total/NA
Benzene	16		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	7.0		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	11		2.5		ug/m3	1		TO-15	Total/NA
Chloroethane	10		2.1		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	22		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	5.3		1.6		ug/m3	1		TO-15	Total/NA
Toluene	2.4		1.5		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	2.7		1.6		ug/m3	1		TO-15	Total/NA
Trichloroethene	2.7		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	86		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-8 — Lab Sample ID: 320-28795-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.6		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.47		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	8.0		0.80		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.9		0.30		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	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	20		12		ug/m3	1		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	23		2.4		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	21		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.3		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-8-DUP — Lab Sample ID: 320-28795-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.5		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	6.8		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.99		0.80		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.8		0.30		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.49		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		12		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	20		2.4		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE-8-DUP (Continued) — Lab Sample ID: 320-28795-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.1		2.5		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	21		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.2		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-13 — Lab Sample ID: 320-28795-9

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
Benzene	1.6		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	3.7		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	23		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	6.6		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
Vinyl chloride	1.6		0.40		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
Benzene	5.0		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	11		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	72		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	26		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	4.7		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	4.2		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-19 — Lab Sample ID: 320-28795-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.5		0.80		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	7.9		2.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-11 — Lab Sample ID: 320-28795-13

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
Benzene	1.7		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
Carbon disulfide	6.4		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.3		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.69		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	2.4		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
Benzene	5.3		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.7		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	20		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.2		1.6		ug/m3	1		TO-15	Total/NA
Toluene	2.6		1.5		ug/m3	1		TO-15	Total/NA
Vinyl chloride	6.0		1.0		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-17 — Lab Sample ID: 320-28795-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	1.3		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.6		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.98		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	8.6		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	4.2		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	6.2		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	3.9		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	22		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-15 — Lab Sample ID: 320-28795-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	80		34		ppb v/v	6.8		TO-15	Total/NA
2-Butanone (MEK)	160		5.4		ppb v/v	6.8		TO-15	Total/NA
Vinyl chloride	6.7		2.7		ppb v/v	6.8		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	190		81		ug/m3	6.8		TO-15	Total/NA
2-Butanone (MEK)	460		16		ug/m3	6.8		TO-15	Total/NA
Vinyl chloride	17		7.0		ug/m3	6.8		TO-15	Total/NA

Client Sample ID: SVE-17-DUP — Lab Sample ID: 320-28795-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		0.64		ppb v/v	1.61		TO-15	Total/NA
cis-1,2-Dichloroethene	7.2		0.64		ppb v/v	1.61		TO-15	Total/NA
trans-1,2-Dichloroethene	3.2		0.64		ppb v/v	1.61		TO-15	Total/NA
Vinyl chloride	52		0.64		ppb v/v	1.61		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.9		2.1		ug/m3	1.61		TO-15	Total/NA
cis-1,2-Dichloroethene	28		2.6		ug/m3	1.61		TO-15	Total/NA
trans-1,2-Dichloroethene	13		2.6		ug/m3	1.61		TO-15	Total/NA
Vinyl chloride	130		1.6		ug/m3	1.61		TO-15	Total/NA

Client Sample ID: SVE-1 — Lab Sample ID: 320-28795-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.1		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.5		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	3.8		0.80		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.96		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	7.8		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.82		0.40		ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.56		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.75		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		12		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.4		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	12		2.5		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE-1 (Continued) — Lab Sample ID: 320-28795-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	2.0		1.7		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	31		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	3.3		1.6		ug/m3	1		TO-15	Total/NA
Trichloroethene	3.0		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.9		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-10 — Lab Sample ID: 320-28795-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		13		ppb v/v	2.64		TO-15	Total/NA
Benzene	17		1.1		ppb v/v	2.64		TO-15	Total/NA
cis-1,2-Dichloroethene	3.0		1.1		ppb v/v	2.64		TO-15	Total/NA
Toluene	1.2		1.1		ppb v/v	2.64		TO-15	Total/NA
Vinyl chloride	71		1.1		ppb v/v	2.64		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		31		ug/m3	2.64		TO-15	Total/NA
Benzene	53		3.4		ug/m3	2.64		TO-15	Total/NA
cis-1,2-Dichloroethene	12		4.2		ug/m3	2.64		TO-15	Total/NA
Toluene	4.7		4.0		ug/m3	2.64		TO-15	Total/NA
Vinyl chloride	180		2.7		ug/m3	2.64		TO-15	Total/NA

Client Sample ID: SVE-9 — Lab Sample ID: 320-28795-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.4		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	22		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	2.1		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	38		0.80		ppb v/v	1		TO-15	Total/NA
Chloroethane	2.4		0.80		ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.34		0.30		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.1		0.40		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.1		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	3.2		0.40		ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.1		0.80		ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.0		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	6.9		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	11		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	1.6		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		12		ug/m3	1		TO-15	Total/NA
Benzene	71		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	6.2		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	120		2.5		ug/m3	1		TO-15	Total/NA
Chloroethane	6.4		2.1		ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	1.4		1.2		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	4.3		1.6		ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.6		1.7		ug/m3	1		TO-15	Total/NA
Toluene	12		1.5		ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	5.6		3.9		ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	5.0		2.0		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE-9 (Continued) — Lab Sample ID: 320-28795-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	18		1.0		ug/m3	1		TO-15	Total/NA
m,p-Xylene	46		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	6.8		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-14 — Lab Sample ID: 320-28795-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4		5.0		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	3.3		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.42		0.40		ppb v/v	1		TO-15	Total/NA
Toluene	0.45		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)	9.9		2.4		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.7		1.6		ug/m3	1		TO-15	Total/NA
Toluene	1.7		1.5		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVP-1-3.5 — Lab Sample ID: 320-28795-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		5.0		ppb v/v	1		TO-15	Total/NA
Benzene	0.60		0.40		ppb v/v	1		TO-15	Total/NA
Chloroform	0.63		0.30		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.2		0.40		ppb v/v	1		TO-15	Total/NA
Trichloroethene	3.9		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.46		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27		12		ug/m3	1		TO-15	Total/NA
Benzene	1.9		1.3		ug/m3	1		TO-15	Total/NA
Chloroform	3.1		1.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	8.6		1.6		ug/m3	1		TO-15	Total/NA
Trichloroethene	21		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.2		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVP-3-3.5 — Lab Sample ID: 320-28795-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.84		0.80		ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.42		0.40		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.8		0.80		ppb v/v	1		TO-15	Total/NA
o-Xylene	0.67		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	2.6		2.5		ug/m3	1		TO-15	Total/NA
Trichloroethene	2.3		2.1		ug/m3	1		TO-15	Total/NA
m,p-Xylene	7.8		3.5		ug/m3	1		TO-15	Total/NA
o-Xylene	2.9		1.7		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVP-4-3.5 — Lab Sample ID: 320-28795-24

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVP-4-3.5 (Continued) — Lab Sample ID: 320-28795-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.76		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.1		2.1		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVP-6-3.5 — Lab Sample ID: 320-28795-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	81		28		ppb v/v	71		TO-15	Total/NA
Vinyl chloride	2200		28		ppb v/v	71		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	320		110		ug/m3	71		TO-15	Total/NA
Vinyl chloride	5700		73		ug/m3	71		TO-15	Total/NA

Client Sample ID: SVP-4-3.5-DUP — Lab Sample ID: 320-28795-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.4		0.80		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.55		0.30		ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.77		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	1.9		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	10		2.5		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.0		1.6		ug/m3	1		TO-15	Total/NA
Trichloroethene	4.1		2.1		ug/m3	1		TO-15	Total/NA
Vinyl chloride	4.8		1.0		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE-2
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23		ppb v/v			06/12/17 17:43	4.59
Benzene	**1.9**		1.8		ppb v/v			06/12/17 17:43	4.59
Benzyl chloride	ND		3.7		ppb v/v			06/12/17 17:43	4.59
Bromodichloromethane	ND		1.4		ppb v/v			06/12/17 17:43	4.59
Bromoform	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Bromomethane	ND		3.7		ppb v/v			06/12/17 17:43	4.59
2-Butanone (MEK)	ND		3.7		ppb v/v			06/12/17 17:43	4.59
Carbon disulfide	**10**		3.7		ppb v/v			06/12/17 17:43	4.59
Carbon tetrachloride	ND		3.7		ppb v/v			06/12/17 17:43	4.59
Chlorobenzene	ND		1.4		ppb v/v			06/12/17 17:43	4.59
Dibromochloromethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Chloroethane	ND		3.7		ppb v/v			06/12/17 17:43	4.59
Chloroform	ND		1.4		ppb v/v			06/12/17 17:43	4.59
Chloromethane	ND		3.7		ppb v/v			06/12/17 17:43	4.59
1,2-Dibromoethane (EDB)	ND		3.7		ppb v/v			06/12/17 17:43	4.59
1,2-Dichlorobenzene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,3-Dichlorobenzene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,4-Dichlorobenzene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Dichlorodifluoromethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,1-Dichloroethane	ND		1.4		ppb v/v			06/12/17 17:43	4.59
1,2-Dichloroethane	ND		3.7		ppb v/v			06/12/17 17:43	4.59
1,1-Dichloroethene	ND		3.7		ppb v/v			06/12/17 17:43	4.59
cis-1,2-Dichloroethene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
trans-1,2-Dichloroethene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,2-Dichloropropane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
cis-1,3-Dichloropropene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
trans-1,3-Dichloropropene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Ethylbenzene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
4-Ethyltoluene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Hexachlorobutadiene	ND		9.2		ppb v/v			06/12/17 17:43	4.59
2-Hexanone	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Methylene Chloride	ND		1.8		ppb v/v			06/12/17 17:43	4.59
4-Methyl-2-pentanone (MIBK)	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Styrene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,1,2,2-Tetrachloroethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Tetrachloroethene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Toluene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,2,4-Trichlorobenzene	ND		9.2		ppb v/v			06/12/17 17:43	4.59
1,1,1-Trichloroethane	ND		1.4		ppb v/v			06/12/17 17:43	4.59
1,1,2-Trichloroethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Trichloroethene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,4-Dioxane	ND		3.7		ppb v/v			06/12/17 17:43	4.59
Trichlorofluoromethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.8		ppb v/v			06/12/17 17:43	4.59
1,2,4-Trimethylbenzene	ND		3.7		ppb v/v			06/12/17 17:43	4.59
1,3,5-Trimethylbenzene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Vinyl acetate	ND		3.7		ppb v/v			06/12/17 17:43	4.59

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-2
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.8		ppb v/v			06/12/17 17:43	4.59
m,p-Xylene	ND		3.7		ppb v/v			06/12/17 17:43	4.59
o-Xylene	ND		1.8		ppb v/v			06/12/17 17:43	4.59
Naphthalene	ND		3.7		ppb v/v			06/12/17 17:43	4.59

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		55		ug/m3			06/12/17 17:43	4.59
Benzene	**6.1**		5.9		ug/m3			06/12/17 17:43	4.59
Benzyl chloride	ND		19		ug/m3			06/12/17 17:43	4.59
Bromodichloromethane	ND		9.2		ug/m3			06/12/17 17:43	4.59
Bromoform	ND		19		ug/m3			06/12/17 17:43	4.59
Bromomethane	ND		14		ug/m3			06/12/17 17:43	4.59
2-Butanone (MEK)	ND		11		ug/m3			06/12/17 17:43	4.59
Carbon disulfide	**31**		11		ug/m3			06/12/17 17:43	4.59
Carbon tetrachloride	ND		23		ug/m3			06/12/17 17:43	4.59
Chlorobenzene	ND		6.3		ug/m3			06/12/17 17:43	4.59
Dibromochloromethane	ND		16		ug/m3			06/12/17 17:43	4.59
Chloroethane	ND		9.7		ug/m3			06/12/17 17:43	4.59
Chloroform	ND		6.7		ug/m3			06/12/17 17:43	4.59
Chloromethane	ND		7.6		ug/m3			06/12/17 17:43	4.59
1,2-Dibromoethane (EDB)	ND		28		ug/m3			06/12/17 17:43	4.59
1,2-Dichlorobenzene	ND		11		ug/m3			06/12/17 17:43	4.59
1,3-Dichlorobenzene	ND		11		ug/m3			06/12/17 17:43	4.59
1,4-Dichlorobenzene	ND		11		ug/m3			06/12/17 17:43	4.59
Dichlorodifluoromethane	ND		9.1		ug/m3			06/12/17 17:43	4.59
1,1-Dichloroethane	ND		5.6		ug/m3			06/12/17 17:43	4.59
1,2-Dichloroethane	ND		15		ug/m3			06/12/17 17:43	4.59
1,1-Dichloroethene	ND		15		ug/m3			06/12/17 17:43	4.59
cis-1,2-Dichloroethene	ND		7.3		ug/m3			06/12/17 17:43	4.59
trans-1,2-Dichloroethene	ND		7.3		ug/m3			06/12/17 17:43	4.59
1,2-Dichloropropane	ND		8.5		ug/m3			06/12/17 17:43	4.59
cis-1,3-Dichloropropene	ND		8.3		ug/m3			06/12/17 17:43	4.59
trans-1,3-Dichloropropene	ND		8.3		ug/m3			06/12/17 17:43	4.59
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		13		ug/m3			06/12/17 17:43	4.59
Ethylbenzene	ND		8.0		ug/m3			06/12/17 17:43	4.59
4-Ethyltoluene	ND		9.0		ug/m3			06/12/17 17:43	4.59
Hexachlorobutadiene	ND		98		ug/m3			06/12/17 17:43	4.59
2-Hexanone	ND		7.5		ug/m3			06/12/17 17:43	4.59
Methylene Chloride	ND		6.4		ug/m3			06/12/17 17:43	4.59
4-Methyl-2-pentanone (MIBK)	ND		7.5		ug/m3			06/12/17 17:43	4.59
Styrene	ND		7.8		ug/m3			06/12/17 17:43	4.59
1,1,2,2-Tetrachloroethane	ND		13		ug/m3			06/12/17 17:43	4.59
Tetrachloroethene	ND		12		ug/m3			06/12/17 17:43	4.59
Toluene	ND		6.9		ug/m3			06/12/17 17:43	4.59
1,2,4-Trichlorobenzene	ND		68		ug/m3			06/12/17 17:43	4.59
1,1,1-Trichloroethane	ND		7.5		ug/m3			06/12/17 17:43	4.59
1,1,2-Trichloroethane	ND		10		ug/m3			06/12/17 17:43	4.59
Trichloroethene	ND		9.9		ug/m3			06/12/17 17:43	4.59
1,4-Dioxane	ND		13		ug/m3			06/12/17 17:43	4.59

Client Sample ID: SVE-2

Lab Sample ID: 320-28795-1

Date Collected: 06/01/17 14:25

Matrix: Air

Date Received: 06/03/17 09:04

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		10		ug/m3			06/12/17 17:43	4.59
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/m3			06/12/17 17:43	4.59
1,2,4-Trimethylbenzene	ND		18		ug/m3			06/12/17 17:43	4.59
1,3,5-Trimethylbenzene	ND		9.0		ug/m3			06/12/17 17:43	4.59
Vinyl acetate	ND		13		ug/m3			06/12/17 17:43	4.59
Vinyl chloride	ND		4.7		ug/m3			06/12/17 17:43	4.59
m,p-Xylene	ND		16		ug/m3			06/12/17 17:43	4.59
o-Xylene	ND		8.0		ug/m3			06/12/17 17:43	4.59
Naphthalene	ND		19		ug/m3			06/12/17 17:43	4.59

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*		*06/12/17 17:43*	*4.59*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*06/12/17 17:43*	*4.59*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/12/17 17:43*	*4.59*

Client Sample ID: SVE-3

Lab Sample ID: 320-28795-2

Date Collected: 06/01/17 14:25

Matrix: Air

Date Received: 06/03/17 09:04

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	**7.5**		5.0		ppb v/v			06/12/17 18:40	1
Benzene	**2.9**		0.40		ppb v/v			06/12/17 18:40	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 18:40	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 18:40	1
Bromoform	ND		0.40		ppb v/v			06/12/17 18:40	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 18:40	1
2-Butanone (MEK)	**1.8**		0.80		ppb v/v			06/12/17 18:40	1
Carbon disulfide	ND		0.80		ppb v/v			06/12/17 18:40	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 18:40	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 18:40	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 18:40	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 18:40	1
Chloroform	ND		0.30		ppb v/v			06/12/17 18:40	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 18:40	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 18:40	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 18:40	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 18:40	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 18:40	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/12/17 18:40	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 18:40	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 18:40	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/12/17 18:40	1
cis-1,2-Dichloroethene	**0.40**		0.40		ppb v/v			06/12/17 18:40	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 18:40	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 18:40	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 18:40	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 18:40	1

Client Sample ID: SVE-3
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-2
Matrix: Air

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			06/12/17 18:40	1
Ethylbenzene	ND		0.40		ppb v/v			06/12/17 18:40	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 18:40	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 18:40	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 18:40	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 18:40	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 18:40	1
Styrene	ND		0.40		ppb v/v			06/12/17 18:40	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 18:40	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 18:40	1
Toluene	**0.94**		0.40		ppb v/v			06/12/17 18:40	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 18:40	1
1,1,1-Trichloroethane	**0.85**		0.30		ppb v/v			06/12/17 18:40	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 18:40	1
Trichloroethene	ND		0.40		ppb v/v			06/12/17 18:40	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 18:40	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 18:40	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 18:40	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 18:40	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 18:40	1
Vinyl chloride	**0.59**		0.40		ppb v/v			06/12/17 18:40	1
m,p-Xylene	**1.8**		0.80		ppb v/v			06/12/17 18:40	1
o-Xylene	ND		0.40		ppb v/v			06/12/17 18:40	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 18:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**18**		12		ug/m3			06/12/17 18:40	1
Benzene	**9.3**		1.3		ug/m3			06/12/17 18:40	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 18:40	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 18:40	1
Bromoform	ND		4.1		ug/m3			06/12/17 18:40	1
Bromomethane	ND		3.1		ug/m3			06/12/17 18:40	1
2-Butanone (MEK)	**5.3**		2.4		ug/m3			06/12/17 18:40	1
Carbon disulfide	ND		2.5		ug/m3			06/12/17 18:40	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 18:40	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 18:40	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 18:40	1
Chloroethane	ND		2.1		ug/m3			06/12/17 18:40	1
Chloroform	ND		1.5		ug/m3			06/12/17 18:40	1
Chloromethane	ND		1.7		ug/m3			06/12/17 18:40	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 18:40	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 18:40	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 18:40	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 18:40	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 18:40	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 18:40	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 18:40	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/12/17 18:40	1

Client Sample ID: SVE-3

Lab Sample ID: 320-28795-2

Date Collected: 06/01/17 14:25

Matrix: Air

Date Received: 06/03/17 09:04

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	**1.6**		1.6		ug/m3			06/12/17 18:40	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 18:40	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 18:40	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 18:40	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 18:40	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 18:40	1
Ethylbenzene	ND		1.7		ug/m3			06/12/17 18:40	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 18:40	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 18:40	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 18:40	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 18:40	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 18:40	1
Styrene	ND		1.7		ug/m3			06/12/17 18:40	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 18:40	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 18:40	1
Toluene	**3.5**		1.5		ug/m3			06/12/17 18:40	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 18:40	1
1,1,1-Trichloroethane	**4.6**		1.6		ug/m3			06/12/17 18:40	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 18:40	1
Trichloroethene	ND		2.1		ug/m3			06/12/17 18:40	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 18:40	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 18:40	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 18:40	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 18:40	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 18:40	1
Vinyl chloride	**1.5**		1.0		ug/m3			06/12/17 18:40	1
m,p-Xylene	**7.7**		3.5		ug/m3			06/12/17 18:40	1
o-Xylene	ND		1.7		ug/m3			06/12/17 18:40	1
Naphthalene	ND		4.2		ug/m3			06/12/17 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*		*06/12/17 18:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*06/12/17 18:40*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*06/12/17 18:40*	*1*

Client Sample ID: SVE-4

Lab Sample ID: 320-28795-3

Date Collected: 06/01/17 14:25

Matrix: Air

Date Received: 06/03/17 09:04

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	**11**		5.0		ppb v/v			06/12/17 19:39	1
Benzene	**13**		0.40		ppb v/v			06/12/17 19:39	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 19:39	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 19:39	1
Bromoform	ND		0.40		ppb v/v			06/12/17 19:39	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 19:39	1

Client Sample ID: SVE-4
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**1.3**		0.80		ppb v/v			06/12/17 19:39	1
Carbon disulfide	**23**		0.80		ppb v/v			06/12/17 19:39	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 19:39	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 19:39	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 19:39	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 19:39	1
Chloroform	ND		0.30		ppb v/v			06/12/17 19:39	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 19:39	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 19:39	1
1,2-Dichlorobenzene	**0.44**		0.40		ppb v/v			06/12/17 19:39	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 19:39	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 19:39	1
Dichlorodifluoromethane	**0.92**		0.40		ppb v/v			06/12/17 19:39	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 19:39	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 19:39	1
1,1-Dichloroethene	**0.86**		0.80		ppb v/v			06/12/17 19:39	1
cis-1,2-Dichloroethene	**5.8**		0.40		ppb v/v			06/12/17 19:39	1
trans-1,2-Dichloroethene	**1.3**		0.40		ppb v/v			06/12/17 19:39	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 19:39	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 19:39	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 19:39	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 19:39	1
Ethylbenzene	**0.96**		0.40		ppb v/v			06/12/17 19:39	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 19:39	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 19:39	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 19:39	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 19:39	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 19:39	1
Styrene	ND		0.40		ppb v/v			06/12/17 19:39	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 19:39	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 19:39	1
Toluene	**2.4**		0.40		ppb v/v			06/12/17 19:39	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 19:39	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/12/17 19:39	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 19:39	1
Trichloroethene	**1.7**		0.40		ppb v/v			06/12/17 19:39	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 19:39	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 19:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 19:39	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 19:39	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 19:39	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 19:39	1
Vinyl chloride	**11**		0.40		ppb v/v			06/12/17 19:39	1
m,p-Xylene	**3.8**		0.80		ppb v/v			06/12/17 19:39	1
o-Xylene	**2.2**		0.40		ppb v/v			06/12/17 19:39	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 19:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**25**		12		ug/m3			06/12/17 19:39	1

Client Sample ID: SVE-4
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41**		1.3		ug/m3			06/12/17 19:39	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 19:39	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 19:39	1
Bromoform	ND		4.1		ug/m3			06/12/17 19:39	1
Bromomethane	ND		3.1		ug/m3			06/12/17 19:39	1
2-Butanone (MEK)	**3.9**		2.4		ug/m3			06/12/17 19:39	1
Carbon disulfide	**70**		2.5		ug/m3			06/12/17 19:39	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 19:39	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 19:39	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 19:39	1
Chloroethane	ND		2.1		ug/m3			06/12/17 19:39	1
Chloroform	ND		1.5		ug/m3			06/12/17 19:39	1
Chloromethane	ND		1.7		ug/m3			06/12/17 19:39	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 19:39	1
1,2-Dichlorobenzene	**2.7**		2.4		ug/m3			06/12/17 19:39	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 19:39	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 19:39	1
Dichlorodifluoromethane	**4.5**		2.0		ug/m3			06/12/17 19:39	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 19:39	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 19:39	1
1,1-Dichloroethene	**3.4**		3.2		ug/m3			06/12/17 19:39	1
cis-1,2-Dichloroethene	**23**		1.6		ug/m3			06/12/17 19:39	1
trans-1,2-Dichloroethene	**5.0**		1.6		ug/m3			06/12/17 19:39	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 19:39	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 19:39	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 19:39	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 19:39	1
Ethylbenzene	**4.2**		1.7		ug/m3			06/12/17 19:39	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 19:39	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 19:39	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 19:39	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 19:39	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 19:39	1
Styrene	ND		1.7		ug/m3			06/12/17 19:39	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 19:39	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 19:39	1
Toluene	**9.1**		1.5		ug/m3			06/12/17 19:39	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 19:39	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/12/17 19:39	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 19:39	1
Trichloroethene	**9.0**		2.1		ug/m3			06/12/17 19:39	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 19:39	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 19:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 19:39	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 19:39	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 19:39	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 19:39	1
Vinyl chloride	**28**		1.0		ug/m3			06/12/17 19:39	1

Client Sample ID: SVE-4

Lab Sample ID: 320-28795-3
Matrix: Air
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
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	**16**		3.5		ug/m3			06/12/17 19:39	1
o-Xylene	**9.5**		1.7		ug/m3			06/12/17 19:39	1
Naphthalene	ND		4.2		ug/m3			06/12/17 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*		*06/12/17 19:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*70 - 130*		*06/12/17 19:39*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*06/12/17 19:39*	*1*

Client Sample ID: SVE-5

Lab Sample ID: 320-28795-4
Matrix: Air
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
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			06/12/17 20:36	1
Benzene	**23**		0.40		ppb v/v			06/12/17 20:36	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 20:36	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 20:36	1
Bromoform	ND		0.40		ppb v/v			06/12/17 20:36	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 20:36	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/12/17 20:36	1
Carbon disulfide	**0.99**		0.80		ppb v/v			06/12/17 20:36	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 20:36	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 20:36	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 20:36	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 20:36	1
Chloroform	ND		0.30		ppb v/v			06/12/17 20:36	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 20:36	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 20:36	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 20:36	1
1,3-Dichlorobenzene	**2.4**		0.40		ppb v/v			06/12/17 20:36	1
1,4-Dichlorobenzene	**4.1**		0.40		ppb v/v			06/12/17 20:36	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/12/17 20:36	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 20:36	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 20:36	1
1,1-Dichloroethene	**0.87**		0.80		ppb v/v			06/12/17 20:36	1
cis-1,2-Dichloroethene	**7.9**		0.40		ppb v/v			06/12/17 20:36	1
trans-1,2-Dichloroethene	**1.6**		0.40		ppb v/v			06/12/17 20:36	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 20:36	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 20:36	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 20:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 20:36	1
Ethylbenzene	**0.67**		0.40		ppb v/v			06/12/17 20:36	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 20:36	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 20:36	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 20:36	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 20:36	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-5
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-4
Matrix: Air

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		0.40		ppb v/v			06/12/17 20:36	1
Styrene	ND		0.40		ppb v/v			06/12/17 20:36	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 20:36	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 20:36	1
Toluene	**1.4**		0.40		ppb v/v			06/12/17 20:36	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 20:36	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/12/17 20:36	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 20:36	1
Trichloroethene	**3.4**		0.40		ppb v/v			06/12/17 20:36	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 20:36	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 20:36	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 20:36	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 20:36	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 20:36	1
Vinyl chloride	**6.7**		0.40		ppb v/v			06/12/17 20:36	1
m,p-Xylene	**3.8**		0.80		ppb v/v			06/12/17 20:36	1
o-Xylene	**1.2**		0.40		ppb v/v			06/12/17 20:36	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 20:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/12/17 20:36	1
Benzene	**73**		1.3		ug/m3			06/12/17 20:36	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 20:36	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 20:36	1
Bromoform	ND		4.1		ug/m3			06/12/17 20:36	1
Bromomethane	ND		3.1		ug/m3			06/12/17 20:36	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/12/17 20:36	1
Carbon disulfide	**3.1**		2.5		ug/m3			06/12/17 20:36	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 20:36	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 20:36	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 20:36	1
Chloroethane	ND		2.1		ug/m3			06/12/17 20:36	1
Chloroform	ND		1.5		ug/m3			06/12/17 20:36	1
Chloromethane	ND		1.7		ug/m3			06/12/17 20:36	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 20:36	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 20:36	1
1,3-Dichlorobenzene	**14**		2.4		ug/m3			06/12/17 20:36	1
1,4-Dichlorobenzene	**24**		2.4		ug/m3			06/12/17 20:36	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 20:36	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 20:36	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 20:36	1
1,1-Dichloroethene	**3.4**		3.2		ug/m3			06/12/17 20:36	1
cis-1,2-Dichloroethene	**31**		1.6		ug/m3			06/12/17 20:36	1
trans-1,2-Dichloroethene	**6.4**		1.6		ug/m3			06/12/17 20:36	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 20:36	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 20:36	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 20:36	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 20:36	1

Client Sample ID: SVE-5

Lab Sample ID: 320-28795-4
Matrix: Air
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04
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	**2.9**		1.7		ug/m3			06/12/17 20:36	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 20:36	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 20:36	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 20:36	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 20:36	1
Styrene	ND		1.7		ug/m3			06/12/17 20:36	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 20:36	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 20:36	1
Toluene	**5.2**		1.5		ug/m3			06/12/17 20:36	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 20:36	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/12/17 20:36	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 20:36	1
Trichloroethene	**18**		2.1		ug/m3			06/12/17 20:36	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 20:36	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 20:36	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 20:36	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 20:36	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 20:36	1
Vinyl chloride	**17**		1.0		ug/m3			06/12/17 20:36	1
m,p-Xylene	**17**		3.5		ug/m3			06/12/17 20:36	1
o-Xylene	**5.3**		1.7		ug/m3			06/12/17 20:36	1
Naphthalene	ND		4.2		ug/m3			06/12/17 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*06/12/17 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*		*06/12/17 20:36*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*06/12/17 20:36*	*1*

Client Sample ID: SVE-6

Lab Sample ID: 320-28795-5
Matrix: Air
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
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	**17**		5.0		ppb v/v			06/12/17 21:34	1
Benzene	ND		0.40		ppb v/v			06/12/17 21:34	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 21:34	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 21:34	1
Bromoform	ND		0.40		ppb v/v			06/12/17 21:34	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 21:34	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/12/17 21:34	1
Carbon disulfide	ND		0.80		ppb v/v			06/12/17 21:34	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 21:34	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 21:34	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 21:34	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 21:34	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-6
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-5
Matrix: Air

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			06/12/17 21:34	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 21:34	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 21:34	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 21:34	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/12/17 21:34	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 21:34	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 21:34	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/12/17 21:34	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 21:34	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 21:34	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 21:34	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 21:34	1
Ethylbenzene	ND		0.40		ppb v/v			06/12/17 21:34	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 21:34	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 21:34	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 21:34	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 21:34	1
Styrene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 21:34	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 21:34	1
Toluene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 21:34	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/12/17 21:34	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 21:34	1
Trichloroethene	ND		0.40		ppb v/v			06/12/17 21:34	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 21:34	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 21:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 21:34	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 21:34	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 21:34	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 21:34	1
Vinyl chloride	ND		0.40		ppb v/v			06/12/17 21:34	1
m,p-Xylene	ND		0.80		ppb v/v			06/12/17 21:34	1
o-Xylene	ND		0.40		ppb v/v			06/12/17 21:34	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 21:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**41**		12		ug/m3			06/12/17 21:34	1
Benzene	ND		1.3		ug/m3			06/12/17 21:34	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 21:34	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 21:34	1
Bromoform	ND		4.1		ug/m3			06/12/17 21:34	1
Bromomethane	ND		3.1		ug/m3			06/12/17 21:34	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/12/17 21:34	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-6
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-5
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.5		ug/m3			06/12/17 21:34	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 21:34	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 21:34	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 21:34	1
Chloroethane	ND		2.1		ug/m3			06/12/17 21:34	1
Chloroform	ND		1.5		ug/m3			06/12/17 21:34	1
Chloromethane	ND		1.7		ug/m3			06/12/17 21:34	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 21:34	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 21:34	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 21:34	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 21:34	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 21:34	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 21:34	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 21:34	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/12/17 21:34	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 21:34	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 21:34	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 21:34	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 21:34	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 21:34	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 21:34	1
Ethylbenzene	ND		1.7		ug/m3			06/12/17 21:34	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 21:34	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 21:34	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 21:34	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 21:34	1
Styrene	ND		1.7		ug/m3			06/12/17 21:34	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 21:34	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 21:34	1
Toluene	ND		1.5		ug/m3			06/12/17 21:34	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 21:34	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/12/17 21:34	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 21:34	1
Trichloroethene	ND		2.1		ug/m3			06/12/17 21:34	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 21:34	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 21:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 21:34	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 21:34	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 21:34	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 21:34	1
Vinyl chloride	ND		1.0		ug/m3			06/12/17 21:34	1
m,p-Xylene	ND		3.5		ug/m3			06/12/17 21:34	1
o-Xylene	ND		1.7		ug/m3			06/12/17 21:34	1
Naphthalene	ND		4.2		ug/m3			06/12/17 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*06/12/17 21:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/12/17 21:34*	*1*

Client Sample ID: SVE-6

Lab Sample ID: 320-28795-5
Matrix: Air
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*118*		*70 - 130*		*06/12/17 21:34*	*1*

Client Sample ID: SVE-7

Lab Sample ID: 320-28795-6
Matrix: Air
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
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	**15**		5.0		ppb v/v			06/12/17 22:33	1
Benzene	**5.1**		0.40		ppb v/v			06/12/17 22:33	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 22:33	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 22:33	1
Bromoform	ND		0.40		ppb v/v			06/12/17 22:33	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 22:33	1
2-Butanone (MEK)	**2.4**		0.80		ppb v/v			06/12/17 22:33	1
Carbon disulfide	**3.6**		0.80		ppb v/v			06/12/17 22:33	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 22:33	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 22:33	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 22:33	1
Chloroethane	**3.9**		0.80		ppb v/v			06/12/17 22:33	1
Chloroform	ND		0.30		ppb v/v			06/12/17 22:33	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 22:33	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 22:33	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 22:33	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 22:33	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 22:33	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/12/17 22:33	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 22:33	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 22:33	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/12/17 22:33	1
cis-1,2-Dichloroethene	**5.6**		0.40		ppb v/v			06/12/17 22:33	1
trans-1,2-Dichloroethene	**1.3**		0.40		ppb v/v			06/12/17 22:33	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 22:33	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 22:33	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 22:33	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 22:33	1
Ethylbenzene	ND		0.40		ppb v/v			06/12/17 22:33	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 22:33	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 22:33	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 22:33	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 22:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 22:33	1
Styrene	ND		0.40		ppb v/v			06/12/17 22:33	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 22:33	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 22:33	1
Toluene	**0.64**		0.40		ppb v/v			06/12/17 22:33	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 22:33	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-7
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-6
Matrix: Air

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	**0.49**		0.30		ppb v/v			06/12/17 22:33	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 22:33	1
Trichloroethene	**0.49**		0.40		ppb v/v			06/12/17 22:33	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 22:33	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 22:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 22:33	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 22:33	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 22:33	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 22:33	1
Vinyl chloride	**34**		0.40		ppb v/v			06/12/17 22:33	1
m,p-Xylene	ND		0.80		ppb v/v			06/12/17 22:33	1
o-Xylene	ND		0.40		ppb v/v			06/12/17 22:33	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 22:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**36**		12		ug/m3			06/12/17 22:33	1
Benzene	**16**		1.3		ug/m3			06/12/17 22:33	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 22:33	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 22:33	1
Bromoform	ND		4.1		ug/m3			06/12/17 22:33	1
Bromomethane	ND		3.1		ug/m3			06/12/17 22:33	1
2-Butanone (MEK)	**7.0**		2.4		ug/m3			06/12/17 22:33	1
Carbon disulfide	**11**		2.5		ug/m3			06/12/17 22:33	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 22:33	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 22:33	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 22:33	1
Chloroethane	**10**		2.1		ug/m3			06/12/17 22:33	1
Chloroform	ND		1.5		ug/m3			06/12/17 22:33	1
Chloromethane	ND		1.7		ug/m3			06/12/17 22:33	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 22:33	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 22:33	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 22:33	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 22:33	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 22:33	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 22:33	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 22:33	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/12/17 22:33	1
cis-1,2-Dichloroethene	**22**		1.6		ug/m3			06/12/17 22:33	1
trans-1,2-Dichloroethene	**5.3**		1.6		ug/m3			06/12/17 22:33	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 22:33	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 22:33	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 22:33	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 22:33	1
Ethylbenzene	ND		1.7		ug/m3			06/12/17 22:33	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 22:33	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 22:33	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 22:33	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 22:33	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 22:33	1

Client Sample ID: SVE-7

Lab Sample ID: 320-28795-6

Date Collected: 06/01/17 14:42

Matrix: Air

Date Received: 06/03/17 09:04

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			06/12/17 22:33	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 22:33	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 22:33	1
Toluene	**2.4**		1.5		ug/m3			06/12/17 22:33	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 22:33	1
1,1,1-Trichloroethane	**2.7**		1.6		ug/m3			06/12/17 22:33	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 22:33	1
Trichloroethene	**2.7**		2.1		ug/m3			06/12/17 22:33	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 22:33	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 22:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 22:33	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 22:33	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 22:33	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 22:33	1
Vinyl chloride	**86**		1.0		ug/m3			06/12/17 22:33	1
m,p-Xylene	ND		3.5		ug/m3			06/12/17 22:33	1
o-Xylene	ND		1.7		ug/m3			06/12/17 22:33	1
Naphthalene	ND		4.2		ug/m3			06/12/17 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*06/12/17 22:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/12/17 22:33*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/12/17 22:33*	*1*

Client Sample ID: SVE-8

Lab Sample ID: 320-28795-7

Date Collected: 06/01/17 14:41

Matrix: Air

Date Received: 06/03/17 09:04

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	**8.6**		5.0		ppb v/v			06/12/17 23:31	1
Benzene	**0.47**		0.40		ppb v/v			06/12/17 23:31	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 23:31	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 23:31	1
Bromoform	ND		0.40		ppb v/v			06/12/17 23:31	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 23:31	1
2-Butanone (MEK)	**8.0**		0.80		ppb v/v			06/12/17 23:31	1
Carbon disulfide	ND		0.80		ppb v/v			06/12/17 23:31	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 23:31	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 23:31	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 23:31	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 23:31	1
Chloroform	ND		0.30		ppb v/v			06/12/17 23:31	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 23:31	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 23:31	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 23:31	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-8
Date Collected: 06/01/17 14:41
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-7
Matrix: Air

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			06/12/17 23:31	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 23:31	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 23:31	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/12/17 23:31	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 23:31	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 23:31	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 23:31	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 23:31	1
Ethylbenzene	ND		0.40		ppb v/v			06/12/17 23:31	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 23:31	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 23:31	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 23:31	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 23:31	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 23:31	1
Styrene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 23:31	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 23:31	1
Toluene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 23:31	1
1,1,1-Trichloroethane	**3.9**		0.30		ppb v/v			06/12/17 23:31	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 23:31	1
Trichloroethene	ND		0.40		ppb v/v			06/12/17 23:31	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 23:31	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 23:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 23:31	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 23:31	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 23:31	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 23:31	1
Vinyl chloride	**0.50**		0.40		ppb v/v			06/12/17 23:31	1
m,p-Xylene	ND		0.80		ppb v/v			06/12/17 23:31	1
o-Xylene	ND		0.40		ppb v/v			06/12/17 23:31	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 23:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**		12		ug/m3			06/12/17 23:31	1
Benzene	**1.5**		1.3		ug/m3			06/12/17 23:31	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 23:31	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 23:31	1
Bromoform	ND		4.1		ug/m3			06/12/17 23:31	1
Bromomethane	ND		3.1		ug/m3			06/12/17 23:31	1
2-Butanone (MEK)	**23**		2.4		ug/m3			06/12/17 23:31	1
Carbon disulfide	ND		2.5		ug/m3			06/12/17 23:31	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 23:31	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 23:31	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 23:31	1
Chloroethane	ND		2.1		ug/m3			06/12/17 23:31	1
Chloroform	ND		1.5		ug/m3			06/12/17 23:31	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-8
Date Collected: 06/01/17 14:41
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-7
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.7		ug/m3			06/12/17 23:31	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 23:31	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 23:31	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 23:31	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 23:31	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 23:31	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 23:31	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 23:31	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/12/17 23:31	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 23:31	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 23:31	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 23:31	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 23:31	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 23:31	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 23:31	1
Ethylbenzene	ND		1.7		ug/m3			06/12/17 23:31	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 23:31	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 23:31	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 23:31	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 23:31	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 23:31	1
Styrene	ND		1.7		ug/m3			06/12/17 23:31	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 23:31	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 23:31	1
Toluene	ND		1.5		ug/m3			06/12/17 23:31	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 23:31	1
1,1,1-Trichloroethane	**21**		1.6		ug/m3			06/12/17 23:31	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 23:31	1
Trichloroethene	ND		2.1		ug/m3			06/12/17 23:31	1
1,4-Dioxane	ND		2.9		ug/m3			06/12/17 23:31	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 23:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 23:31	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 23:31	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 23:31	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 23:31	1
Vinyl chloride	**1.3**		1.0		ug/m3			06/12/17 23:31	1
m,p-Xylene	ND		3.5		ug/m3			06/12/17 23:31	1
o-Xylene	ND		1.7		ug/m3			06/12/17 23:31	1
Naphthalene	ND		4.2		ug/m3			06/12/17 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*06/12/17 23:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/12/17 23:31*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*06/12/17 23:31*	*1*

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-8-DUP
Date Collected: 06/01/17 14:53
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-8
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.5**		5.0		ppb v/v			06/13/17 00:29	1
Benzene	ND		0.40		ppb v/v			06/13/17 00:29	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 00:29	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 00:29	1
Bromoform	ND		0.40		ppb v/v			06/13/17 00:29	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 00:29	1
2-Butanone (MEK)	**6.8**		0.80		ppb v/v			06/13/17 00:29	1
Carbon disulfide	**0.99**		0.80		ppb v/v			06/13/17 00:29	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 00:29	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 00:29	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 00:29	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 00:29	1
Chloroform	ND		0.30		ppb v/v			06/13/17 00:29	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 00:29	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 00:29	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 00:29	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 00:29	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 00:29	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 00:29	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 00:29	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 00:29	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 00:29	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 00:29	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 00:29	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 00:29	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 00:29	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 00:29	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 00:29	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 00:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 00:29	1
Styrene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 00:29	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 00:29	1
Toluene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 00:29	1
1,1,1-Trichloroethane	**3.8**		0.30		ppb v/v			06/13/17 00:29	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 00:29	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 00:29	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 00:29	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 00:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 00:29	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 00:29	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 00:29	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 00:29	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-8-DUP
Date Collected: 06/01/17 14:53
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-8
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.49**		0.40		ppb v/v			06/13/17 00:29	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 00:29	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 00:29	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 00:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**		12		ug/m3			06/13/17 00:29	1
Benzene	ND		1.3		ug/m3			06/13/17 00:29	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 00:29	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 00:29	1
Bromoform	ND		4.1		ug/m3			06/13/17 00:29	1
Bromomethane	ND		3.1		ug/m3			06/13/17 00:29	1
2-Butanone (MEK)	**20**		2.4		ug/m3			06/13/17 00:29	1
Carbon disulfide	**3.1**		2.5		ug/m3			06/13/17 00:29	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 00:29	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 00:29	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 00:29	1
Chloroethane	ND		2.1		ug/m3			06/13/17 00:29	1
Chloroform	ND		1.5		ug/m3			06/13/17 00:29	1
Chloromethane	ND		1.7		ug/m3			06/13/17 00:29	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 00:29	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 00:29	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 00:29	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 00:29	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 00:29	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 00:29	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 00:29	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 00:29	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 00:29	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 00:29	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 00:29	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 00:29	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 00:29	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 00:29	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 00:29	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 00:29	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 00:29	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 00:29	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 00:29	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 00:29	1
Styrene	ND		1.7		ug/m3			06/13/17 00:29	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 00:29	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 00:29	1
Toluene	ND		1.5		ug/m3			06/13/17 00:29	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 00:29	1
1,1,1-Trichloroethane	**21**		1.6		ug/m3			06/13/17 00:29	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 00:29	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 00:29	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 00:29	1

Client Sample ID: SVE-8-DUP

Lab Sample ID: 320-28795-8

Date Collected: 06/01/17 14:53

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 00:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 00:29	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 00:29	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 00:29	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 00:29	1
Vinyl chloride	**1.2**		1.0		ug/m3			06/13/17 00:29	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 00:29	1
o-Xylene	ND		1.7		ug/m3			06/13/17 00:29	1
Naphthalene	ND		4.2		ug/m3			06/13/17 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 00:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/17 00:29*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*06/13/17 00:29*	*1*

Client Sample ID: SVE-13

Lab Sample ID: 320-28795-9

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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	**6.7**		5.0		ppb v/v			06/13/17 01:27	1
Benzene	**1.6**		0.40		ppb v/v			06/13/17 01:27	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 01:27	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 01:27	1
Bromoform	ND		0.40		ppb v/v			06/13/17 01:27	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 01:27	1
2-Butanone (MEK)	**3.7**		0.80		ppb v/v			06/13/17 01:27	1
Carbon disulfide	**23**		0.80		ppb v/v			06/13/17 01:27	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 01:27	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 01:27	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 01:27	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 01:27	1
Chloroform	ND		0.30		ppb v/v			06/13/17 01:27	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 01:27	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 01:27	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 01:27	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 01:27	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 01:27	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 01:27	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 01:27	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 01:27	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 01:27	1
cis-1,2-Dichloroethene	**6.6**		0.40		ppb v/v			06/13/17 01:27	1
trans-1,2-Dichloroethene	**1.2**		0.40		ppb v/v			06/13/17 01:27	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 01:27	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 01:27	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 01:27	1

Client Sample ID: SVE-13
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-9
Matrix: Air

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			06/13/17 01:27	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 01:27	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 01:27	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 01:27	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 01:27	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 01:27	1
Styrene	ND		0.40		ppb v/v			06/13/17 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 01:27	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 01:27	1
Toluene	ND		0.40		ppb v/v			06/13/17 01:27	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 01:27	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 01:27	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 01:27	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 01:27	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 01:27	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 01:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 01:27	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 01:27	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 01:27	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 01:27	1
Vinyl chloride	**1.6**		0.40		ppb v/v			06/13/17 01:27	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 01:27	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 01:27	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 01:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**		12		ug/m3			06/13/17 01:27	1
Benzene	**5.0**		1.3		ug/m3			06/13/17 01:27	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 01:27	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 01:27	1
Bromoform	ND		4.1		ug/m3			06/13/17 01:27	1
Bromomethane	ND		3.1		ug/m3			06/13/17 01:27	1
2-Butanone (MEK)	**11**		2.4		ug/m3			06/13/17 01:27	1
Carbon disulfide	**72**		2.5		ug/m3			06/13/17 01:27	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 01:27	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 01:27	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 01:27	1
Chloroethane	ND		2.1		ug/m3			06/13/17 01:27	1
Chloroform	ND		1.5		ug/m3			06/13/17 01:27	1
Chloromethane	ND		1.7		ug/m3			06/13/17 01:27	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 01:27	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 01:27	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 01:27	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 01:27	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 01:27	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 01:27	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 01:27	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 01:27	1

Client Sample ID: SVE-13

Lab Sample ID: 320-28795-9

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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	**26**		1.6		ug/m3			06/13/17 01:27	1
trans-1,2-Dichloroethene	**4.7**		1.6		ug/m3			06/13/17 01:27	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 01:27	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 01:27	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 01:27	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 01:27	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 01:27	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 01:27	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 01:27	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 01:27	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 01:27	1
Styrene	ND		1.7		ug/m3			06/13/17 01:27	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 01:27	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 01:27	1
Toluene	ND		1.5		ug/m3			06/13/17 01:27	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 01:27	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 01:27	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 01:27	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 01:27	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 01:27	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 01:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 01:27	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 01:27	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 01:27	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 01:27	1
Vinyl chloride	**4.2**		1.0		ug/m3			06/13/17 01:27	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 01:27	1
o-Xylene	ND		1.7		ug/m3			06/13/17 01:27	1
Naphthalene	ND		4.2		ug/m3			06/13/17 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/17 01:27*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*06/13/17 01:27*	*1*

Client Sample ID: SVE-19

Lab Sample ID: 320-28795-10

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 02:25	1
Benzene	ND		0.40		ppb v/v			06/13/17 02:25	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 02:25	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 02:25	1
Bromoform	ND		0.40		ppb v/v			06/13/17 02:25	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 02:25	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-19
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-10
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 02:25	1
Carbon disulfide	**2.5**		0.80		ppb v/v			06/13/17 02:25	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 02:25	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 02:25	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 02:25	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 02:25	1
Chloroform	ND		0.30		ppb v/v			06/13/17 02:25	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 02:25	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 02:25	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 02:25	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 02:25	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 02:25	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 02:25	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 02:25	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 02:25	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 02:25	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 02:25	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 02:25	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 02:25	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 02:25	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 02:25	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 02:25	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 02:25	1
Styrene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 02:25	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 02:25	1
Toluene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 02:25	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 02:25	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 02:25	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 02:25	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 02:25	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 02:25	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 02:25	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 02:25	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 02:25	1
Vinyl chloride	ND		0.40		ppb v/v			06/13/17 02:25	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 02:25	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 02:25	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 02:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/13/17 02:25	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-19
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-10
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.3		ug/m3			06/13/17 02:25	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 02:25	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 02:25	1
Bromoform	ND		4.1		ug/m3			06/13/17 02:25	1
Bromomethane	ND		3.1		ug/m3			06/13/17 02:25	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 02:25	1
Carbon disulfide	**7.9**		2.5		ug/m3			06/13/17 02:25	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 02:25	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 02:25	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 02:25	1
Chloroethane	ND		2.1		ug/m3			06/13/17 02:25	1
Chloroform	ND		1.5		ug/m3			06/13/17 02:25	1
Chloromethane	ND		1.7		ug/m3			06/13/17 02:25	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 02:25	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 02:25	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 02:25	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 02:25	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 02:25	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 02:25	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 02:25	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 02:25	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 02:25	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 02:25	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 02:25	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 02:25	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 02:25	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 02:25	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 02:25	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 02:25	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 02:25	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 02:25	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 02:25	1
Styrene	ND		1.7		ug/m3			06/13/17 02:25	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 02:25	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 02:25	1
Toluene	ND		1.5		ug/m3			06/13/17 02:25	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 02:25	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 02:25	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 02:25	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 02:25	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 02:25	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 02:25	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 02:25	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 02:25	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 02:25	1
Vinyl chloride	ND		1.0		ug/m3			06/13/17 02:25	1

Client Sample ID: SVE-19

Lab Sample ID: 320-28795-10

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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	ND		3.5		ug/m3			06/13/17 02:25	1
o-Xylene	ND		1.7		ug/m3			06/13/17 02:25	1
Naphthalene	ND		4.2		ug/m3			06/13/17 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 02:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/17 02:25*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*06/13/17 02:25*	*1*

Client Sample ID: SVE-11

Lab Sample ID: 320-28795-13

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 03:23	1
Benzene	**1.7**		0.40		ppb v/v			06/13/17 03:23	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 03:23	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 03:23	1
Bromoform	ND		0.40		ppb v/v			06/13/17 03:23	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 03:23	1
2-Butanone (MEK)	**1.6**		0.80		ppb v/v			06/13/17 03:23	1
Carbon disulfide	**6.4**		0.80		ppb v/v			06/13/17 03:23	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 03:23	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 03:23	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 03:23	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 03:23	1
Chloroform	ND		0.30		ppb v/v			06/13/17 03:23	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 03:23	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 03:23	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 03:23	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 03:23	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 03:23	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 03:23	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 03:23	1
cis-1,2-Dichloroethene	**1.3**		0.40		ppb v/v			06/13/17 03:23	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 03:23	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 03:23	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 03:23	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 03:23	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 03:23	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 03:23	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 03:23	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 03:23	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-11
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-13
Matrix: Air

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		0.40		ppb v/v			06/13/17 03:23	1
Styrene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 03:23	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 03:23	1
Toluene	**0.69**		0.40		ppb v/v			06/13/17 03:23	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 03:23	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 03:23	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 03:23	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 03:23	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 03:23	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 03:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 03:23	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 03:23	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 03:23	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 03:23	1
Vinyl chloride	**2.4**		0.40		ppb v/v			06/13/17 03:23	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 03:23	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 03:23	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 03:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**22**		12		ug/m3			06/13/17 03:23	1
Benzene	**5.3**		1.3		ug/m3			06/13/17 03:23	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 03:23	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 03:23	1
Bromoform	ND		4.1		ug/m3			06/13/17 03:23	1
Bromomethane	ND		3.1		ug/m3			06/13/17 03:23	1
2-Butanone (MEK)	**4.7**		2.4		ug/m3			06/13/17 03:23	1
Carbon disulfide	**20**		2.5		ug/m3			06/13/17 03:23	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 03:23	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 03:23	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 03:23	1
Chloroethane	ND		2.1		ug/m3			06/13/17 03:23	1
Chloroform	ND		1.5		ug/m3			06/13/17 03:23	1
Chloromethane	ND		1.7		ug/m3			06/13/17 03:23	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 03:23	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 03:23	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 03:23	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 03:23	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 03:23	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 03:23	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 03:23	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 03:23	1
cis-1,2-Dichloroethene	**5.2**		1.6		ug/m3			06/13/17 03:23	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 03:23	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 03:23	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 03:23	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 03:23	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 03:23	1

Client Sample ID: SVE-11

Lab Sample ID: 320-28795-13

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 03:23	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 03:23	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 03:23	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 03:23	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 03:23	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 03:23	1
Styrene	ND		1.7		ug/m3			06/13/17 03:23	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 03:23	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 03:23	1
Toluene	**2.6**		1.5		ug/m3			06/13/17 03:23	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 03:23	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 03:23	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 03:23	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 03:23	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 03:23	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 03:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 03:23	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 03:23	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 03:23	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 03:23	1
Vinyl chloride	**6.0**		1.0		ug/m3			06/13/17 03:23	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 03:23	1
o-Xylene	ND		1.7		ug/m3			06/13/17 03:23	1
Naphthalene	ND		4.2		ug/m3			06/13/17 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*06/13/17 03:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/17 03:23*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*06/13/17 03:23*	*1*

Client Sample ID: SVE-17

Lab Sample ID: 320-28795-14

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 04:20	1
Benzene	ND		0.40		ppb v/v			06/13/17 04:20	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 04:20	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 04:20	1
Bromoform	ND		0.40		ppb v/v			06/13/17 04:20	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 04:20	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 04:20	1
Carbon disulfide	**1.3**		0.80		ppb v/v			06/13/17 04:20	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 04:20	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 04:20	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 04:20	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 04:20	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-17
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-14
Matrix: Air

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			06/13/17 04:20	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 04:20	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 04:20	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 04:20	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 04:20	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 04:20	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 04:20	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 04:20	1
cis-1,2-Dichloroethene	**1.6**		0.40		ppb v/v			06/13/17 04:20	1
trans-1,2-Dichloroethene	**0.98**		0.40		ppb v/v			06/13/17 04:20	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 04:20	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 04:20	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 04:20	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 04:20	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 04:20	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 04:20	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 04:20	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 04:20	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 04:20	1
Styrene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 04:20	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 04:20	1
Toluene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 04:20	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 04:20	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 04:20	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 04:20	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 04:20	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 04:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 04:20	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 04:20	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 04:20	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 04:20	1
Vinyl chloride	**8.6**		0.40		ppb v/v			06/13/17 04:20	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 04:20	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 04:20	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 04:20	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/13/17 04:20	1
Benzene	ND		1.3		ug/m3			06/13/17 04:20	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 04:20	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 04:20	1
Bromoform	ND		4.1		ug/m3			06/13/17 04:20	1
Bromomethane	ND		3.1		ug/m3			06/13/17 04:20	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 04:20	1

Client Sample ID: SVE-17
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-14
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**4.2**		2.5		ug/m3			06/13/17 04:20	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 04:20	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 04:20	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 04:20	1
Chloroethane	ND		2.1		ug/m3			06/13/17 04:20	1
Chloroform	ND		1.5		ug/m3			06/13/17 04:20	1
Chloromethane	ND		1.7		ug/m3			06/13/17 04:20	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 04:20	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 04:20	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 04:20	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 04:20	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 04:20	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 04:20	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 04:20	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 04:20	1
cis-1,2-Dichloroethene	**6.2**		1.6		ug/m3			06/13/17 04:20	1
trans-1,2-Dichloroethene	**3.9**		1.6		ug/m3			06/13/17 04:20	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 04:20	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 04:20	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 04:20	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 04:20	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 04:20	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 04:20	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 04:20	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 04:20	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 04:20	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 04:20	1
Styrene	ND		1.7		ug/m3			06/13/17 04:20	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 04:20	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 04:20	1
Toluene	ND		1.5		ug/m3			06/13/17 04:20	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 04:20	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 04:20	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 04:20	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 04:20	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 04:20	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 04:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 04:20	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 04:20	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 04:20	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 04:20	1
Vinyl chloride	**22**		1.0		ug/m3			06/13/17 04:20	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 04:20	1
o-Xylene	ND		1.7		ug/m3			06/13/17 04:20	1
Naphthalene	ND		4.2		ug/m3			06/13/17 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*06/13/17 04:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/17 04:20*	*1*

Client Sample ID: SVE-17

Lab Sample ID: 320-28795-14

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

Sample Container: Summa Canister 1L

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/13/17 04:20	1

Client Sample ID: SVE-15

Lab Sample ID: 320-28795-16

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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	**80**		34		ppb v/v			06/13/17 05:12	6.8
Benzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Benzyl chloride	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Bromodichloromethane	ND		2.0		ppb v/v			06/13/17 05:12	6.8
Bromoform	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Bromomethane	ND		5.4		ppb v/v			06/13/17 05:12	6.8
2-Butanone (MEK)	**160**		5.4		ppb v/v			06/13/17 05:12	6.8
Carbon disulfide	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Carbon tetrachloride	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Chlorobenzene	ND		2.0		ppb v/v			06/13/17 05:12	6.8
Dibromochloromethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Chloroethane	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Chloroform	ND		2.0		ppb v/v			06/13/17 05:12	6.8
Chloromethane	ND		5.4		ppb v/v			06/13/17 05:12	6.8
1,2-Dibromoethane (EDB)	ND		5.4		ppb v/v			06/13/17 05:12	6.8
1,2-Dichlorobenzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,3-Dichlorobenzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,4-Dichlorobenzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Dichlorodifluoromethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,1-Dichloroethane	ND		2.0		ppb v/v			06/13/17 05:12	6.8
1,2-Dichloroethane	ND		5.4		ppb v/v			06/13/17 05:12	6.8
1,1-Dichloroethene	ND		5.4		ppb v/v			06/13/17 05:12	6.8
cis-1,2-Dichloroethene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
trans-1,2-Dichloroethene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,2-Dichloropropane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
cis-1,3-Dichloropropene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
trans-1,3-Dichloropropene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Ethylbenzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
4-Ethyltoluene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Hexachlorobutadiene	ND		14		ppb v/v			06/13/17 05:12	6.8
2-Hexanone	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Methylene Chloride	ND		2.7		ppb v/v			06/13/17 05:12	6.8
4-Methyl-2-pentanone (MIBK)	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Styrene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,1,2,2-Tetrachloroethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Tetrachloroethene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Toluene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,2,4-Trichlorobenzene	ND		14		ppb v/v			06/13/17 05:12	6.8

Client Sample ID: SVE-15
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-16
Matrix: Air

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		2.0		ppb v/v			06/13/17 05:12	6.8
1,1,2-Trichloroethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Trichloroethene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,4-Dioxane	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Trichlorofluoromethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.7		ppb v/v			06/13/17 05:12	6.8
1,2,4-Trimethylbenzene	ND		5.4		ppb v/v			06/13/17 05:12	6.8
1,3,5-Trimethylbenzene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Vinyl acetate	ND		5.4		ppb v/v			06/13/17 05:12	6.8
Vinyl chloride	**6.7**		2.7		ppb v/v			06/13/17 05:12	6.8
m,p-Xylene	ND		5.4		ppb v/v			06/13/17 05:12	6.8
o-Xylene	ND		2.7		ppb v/v			06/13/17 05:12	6.8
Naphthalene	ND		5.4		ppb v/v			06/13/17 05:12	6.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**190**		81		ug/m3			06/13/17 05:12	6.8
Benzene	ND		8.7		ug/m3			06/13/17 05:12	6.8
Benzyl chloride	ND		28		ug/m3			06/13/17 05:12	6.8
Bromodichloromethane	ND		14		ug/m3			06/13/17 05:12	6.8
Bromoform	ND		28		ug/m3			06/13/17 05:12	6.8
Bromomethane	ND		21		ug/m3			06/13/17 05:12	6.8
2-Butanone (MEK)	**460**		16		ug/m3			06/13/17 05:12	6.8
Carbon disulfide	ND		17		ug/m3			06/13/17 05:12	6.8
Carbon tetrachloride	ND		34		ug/m3			06/13/17 05:12	6.8
Chlorobenzene	ND		9.4		ug/m3			06/13/17 05:12	6.8
Dibromochloromethane	ND		23		ug/m3			06/13/17 05:12	6.8
Chloroethane	ND		14		ug/m3			06/13/17 05:12	6.8
Chloroform	ND		10		ug/m3			06/13/17 05:12	6.8
Chloromethane	ND		11		ug/m3			06/13/17 05:12	6.8
1,2-Dibromoethane (EDB)	ND		42		ug/m3			06/13/17 05:12	6.8
1,2-Dichlorobenzene	ND		16		ug/m3			06/13/17 05:12	6.8
1,3-Dichlorobenzene	ND		16		ug/m3			06/13/17 05:12	6.8
1,4-Dichlorobenzene	ND		16		ug/m3			06/13/17 05:12	6.8
Dichlorodifluoromethane	ND		13		ug/m3			06/13/17 05:12	6.8
1,1-Dichloroethane	ND		8.3		ug/m3			06/13/17 05:12	6.8
1,2-Dichloroethane	ND		22		ug/m3			06/13/17 05:12	6.8
1,1-Dichloroethene	ND		22		ug/m3			06/13/17 05:12	6.8
cis-1,2-Dichloroethene	ND		11		ug/m3			06/13/17 05:12	6.8
trans-1,2-Dichloroethene	ND		11		ug/m3			06/13/17 05:12	6.8
1,2-Dichloropropane	ND		13		ug/m3			06/13/17 05:12	6.8
cis-1,3-Dichloropropene	ND		12		ug/m3			06/13/17 05:12	6.8
trans-1,3-Dichloropropene	ND		12		ug/m3			06/13/17 05:12	6.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		19		ug/m3			06/13/17 05:12	6.8
Ethylbenzene	ND		12		ug/m3			06/13/17 05:12	6.8
4-Ethyltoluene	ND		13		ug/m3			06/13/17 05:12	6.8
Hexachlorobutadiene	ND		150		ug/m3			06/13/17 05:12	6.8
2-Hexanone	ND		11		ug/m3			06/13/17 05:12	6.8
Methylene Chloride	ND		9.4		ug/m3			06/13/17 05:12	6.8
4-Methyl-2-pentanone (MIBK)	ND		11		ug/m3			06/13/17 05:12	6.8

Client Sample ID: SVE-15

Lab Sample ID: 320-28795-16

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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		12		ug/m3			06/13/17 05:12	6.8
1,1,2,2-Tetrachloroethane	ND		19		ug/m3			06/13/17 05:12	6.8
Tetrachloroethene	ND		18		ug/m3			06/13/17 05:12	6.8
Toluene	ND		10		ug/m3			06/13/17 05:12	6.8
1,2,4-Trichlorobenzene	ND		100		ug/m3			06/13/17 05:12	6.8
1,1,1-Trichloroethane	ND		11		ug/m3			06/13/17 05:12	6.8
1,1,2-Trichloroethane	ND		15		ug/m3			06/13/17 05:12	6.8
Trichloroethene	ND		15		ug/m3			06/13/17 05:12	6.8
1,4-Dioxane	ND		20		ug/m3			06/13/17 05:12	6.8
Trichlorofluoromethane	ND		15		ug/m3			06/13/17 05:12	6.8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		21		ug/m3			06/13/17 05:12	6.8
1,2,4-Trimethylbenzene	ND		27		ug/m3			06/13/17 05:12	6.8
1,3,5-Trimethylbenzene	ND		13		ug/m3			06/13/17 05:12	6.8
Vinyl acetate	ND		19		ug/m3			06/13/17 05:12	6.8
Vinyl chloride	**17**		7.0		ug/m3			06/13/17 05:12	6.8
m,p-Xylene	ND		24		ug/m3			06/13/17 05:12	6.8
o-Xylene	ND		12		ug/m3			06/13/17 05:12	6.8
Naphthalene	ND		29		ug/m3			06/13/17 05:12	6.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/13/17 05:12*	*6.8*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/13/17 05:12*	*6.8*
Toluene-d8 (Surr)	*114*		*70 - 130*		*06/13/17 05:12*	*6.8*

Client Sample ID: SVE-17-DUP

Lab Sample ID: 320-28795-17

Date Collected: 06/01/17 15:46

Matrix: Air

Date Received: 06/03/17 09:04

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		8.1		ppb v/v			06/13/17 16:48	1.61
Benzene	**1.5**		0.64		ppb v/v			06/13/17 16:48	1.61
Benzyl chloride	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Bromodichloromethane	ND		0.48		ppb v/v			06/13/17 16:48	1.61
Bromoform	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Bromomethane	ND		1.3		ppb v/v			06/13/17 16:48	1.61
2-Butanone (MEK)	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Carbon disulfide	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Carbon tetrachloride	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Chlorobenzene	ND		0.48		ppb v/v			06/13/17 16:48	1.61
Dibromochloromethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Chloroethane	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Chloroform	ND		0.48		ppb v/v			06/13/17 16:48	1.61
Chloromethane	ND		1.3		ppb v/v			06/13/17 16:48	1.61
1,2-Dibromoethane (EDB)	ND		1.3		ppb v/v			06/13/17 16:48	1.61
1,2-Dichlorobenzene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,3-Dichlorobenzene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,4-Dichlorobenzene	ND		0.64		ppb v/v			06/13/17 16:48	1.61

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-17-DUP
Date Collected: 06/01/17 15:46
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-17
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,1-Dichloroethane	ND		0.48		ppb v/v			06/13/17 16:48	1.61
1,2-Dichloroethane	ND		1.3		ppb v/v			06/13/17 16:48	1.61
1,1-Dichloroethene	ND		1.3		ppb v/v			06/13/17 16:48	1.61
cis-1,2-Dichloroethene	**7.2**		0.64		ppb v/v			06/13/17 16:48	1.61
trans-1,2-Dichloroethene	**3.2**		0.64		ppb v/v			06/13/17 16:48	1.61
1,2-Dichloropropane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
cis-1,3-Dichloropropene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
trans-1,3-Dichloropropene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Ethylbenzene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
4-Ethyltoluene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Hexachlorobutadiene	ND		3.2		ppb v/v			06/13/17 16:48	1.61
2-Hexanone	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Methylene Chloride	ND		0.64		ppb v/v			06/13/17 16:48	1.61
4-Methyl-2-pentanone (MIBK)	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Styrene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,1,2,2-Tetrachloroethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Tetrachloroethene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Toluene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,2,4-Trichlorobenzene	ND		3.2		ppb v/v			06/13/17 16:48	1.61
1,1,1-Trichloroethane	ND		0.48		ppb v/v			06/13/17 16:48	1.61
1,1,2-Trichloroethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Trichloroethene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,4-Dioxane	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Trichlorofluoromethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.64		ppb v/v			06/13/17 16:48	1.61
1,2,4-Trimethylbenzene	ND		1.3		ppb v/v			06/13/17 16:48	1.61
1,3,5-Trimethylbenzene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Vinyl acetate	ND		1.3		ppb v/v			06/13/17 16:48	1.61
Vinyl chloride	**52**		0.64		ppb v/v			06/13/17 16:48	1.61
m,p-Xylene	ND		1.3		ppb v/v			06/13/17 16:48	1.61
o-Xylene	ND		0.64		ppb v/v			06/13/17 16:48	1.61
Naphthalene	ND		1.3		ppb v/v			06/13/17 16:48	1.61

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19		ug/m3			06/13/17 16:48	1.61
Benzene	**4.9**		2.1		ug/m3			06/13/17 16:48	1.61
Benzyl chloride	ND		6.7		ug/m3			06/13/17 16:48	1.61
Bromodichloromethane	ND		3.2		ug/m3			06/13/17 16:48	1.61
Bromoform	ND		6.7		ug/m3			06/13/17 16:48	1.61
Bromomethane	ND		5.0		ug/m3			06/13/17 16:48	1.61
2-Butanone (MEK)	ND		3.8		ug/m3			06/13/17 16:48	1.61
Carbon disulfide	ND		4.0		ug/m3			06/13/17 16:48	1.61
Carbon tetrachloride	ND		8.1		ug/m3			06/13/17 16:48	1.61
Chlorobenzene	ND		2.2		ug/m3			06/13/17 16:48	1.61
Dibromochloromethane	ND		5.5		ug/m3			06/13/17 16:48	1.61
Chloroethane	ND		3.4		ug/m3			06/13/17 16:48	1.61
Chloroform	ND		2.4		ug/m3			06/13/17 16:48	1.61

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-17-DUP
Date Collected: 06/01/17 15:46
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-17
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.7		ug/m3			06/13/17 16:48	1.61
1,2-Dibromoethane (EDB)	ND		9.9		ug/m3			06/13/17 16:48	1.61
1,2-Dichlorobenzene	ND		3.9		ug/m3			06/13/17 16:48	1.61
1,3-Dichlorobenzene	ND		3.9		ug/m3			06/13/17 16:48	1.61
1,4-Dichlorobenzene	ND		3.9		ug/m3			06/13/17 16:48	1.61
Dichlorodifluoromethane	ND		3.2		ug/m3			06/13/17 16:48	1.61
1,1-Dichloroethane	ND		2.0		ug/m3			06/13/17 16:48	1.61
1,2-Dichloroethane	ND		5.2		ug/m3			06/13/17 16:48	1.61
1,1-Dichloroethene	ND		5.1		ug/m3			06/13/17 16:48	1.61
cis-1,2-Dichloroethene	**28**		2.6		ug/m3			06/13/17 16:48	1.61
trans-1,2-Dichloroethene	**13**		2.6		ug/m3			06/13/17 16:48	1.61
1,2-Dichloropropane	ND		3.0		ug/m3			06/13/17 16:48	1.61
cis-1,3-Dichloropropene	ND		2.9		ug/m3			06/13/17 16:48	1.61
trans-1,3-Dichloropropene	ND		2.9		ug/m3			06/13/17 16:48	1.61
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.5		ug/m3			06/13/17 16:48	1.61
Ethylbenzene	ND		2.8		ug/m3			06/13/17 16:48	1.61
4-Ethyltoluene	ND		3.2		ug/m3			06/13/17 16:48	1.61
Hexachlorobutadiene	ND		34		ug/m3			06/13/17 16:48	1.61
2-Hexanone	ND		2.6		ug/m3			06/13/17 16:48	1.61
Methylene Chloride	ND		2.2		ug/m3			06/13/17 16:48	1.61
4-Methyl-2-pentanone (MIBK)	ND		2.6		ug/m3			06/13/17 16:48	1.61
Styrene	ND		2.7		ug/m3			06/13/17 16:48	1.61
1,1,2,2-Tetrachloroethane	ND		4.4		ug/m3			06/13/17 16:48	1.61
Tetrachloroethene	ND		4.4		ug/m3			06/13/17 16:48	1.61
Toluene	ND		2.4		ug/m3			06/13/17 16:48	1.61
1,2,4-Trichlorobenzene	ND		24		ug/m3			06/13/17 16:48	1.61
1,1,1-Trichloroethane	ND		2.6		ug/m3			06/13/17 16:48	1.61
1,1,2-Trichloroethane	ND		3.5		ug/m3			06/13/17 16:48	1.61
Trichloroethene	ND		3.5		ug/m3			06/13/17 16:48	1.61
1,4-Dioxane	ND		4.6		ug/m3			06/13/17 16:48	1.61
Trichlorofluoromethane	ND		3.6		ug/m3			06/13/17 16:48	1.61
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/m3			06/13/17 16:48	1.61
1,2,4-Trimethylbenzene	ND		6.3		ug/m3			06/13/17 16:48	1.61
1,3,5-Trimethylbenzene	ND		3.2		ug/m3			06/13/17 16:48	1.61
Vinyl acetate	ND		4.5		ug/m3			06/13/17 16:48	1.61
Vinyl chloride	**130**		1.6		ug/m3			06/13/17 16:48	1.61
m,p-Xylene	ND		5.6		ug/m3			06/13/17 16:48	1.61
o-Xylene	ND		2.8		ug/m3			06/13/17 16:48	1.61
Naphthalene	ND		6.8		ug/m3			06/13/17 16:48	1.61

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*06/13/17 16:48*	*1.61*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/13/17 16:48*	*1.61*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/13/17 16:48*	*1.61*

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-1
Date Collected: 06/01/17 15:54
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-18
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.1**		5.0		ppb v/v			06/13/17 17:45	1
Benzene	ND		0.40		ppb v/v			06/13/17 17:45	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 17:45	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 17:45	1
Bromoform	ND		0.40		ppb v/v			06/13/17 17:45	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 17:45	1
2-Butanone (MEK)	**1.5**		0.80		ppb v/v			06/13/17 17:45	1
Carbon disulfide	**3.8**		0.80		ppb v/v			06/13/17 17:45	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 17:45	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 17:45	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 17:45	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 17:45	1
Chloroform	ND		0.30		ppb v/v			06/13/17 17:45	1
Chloromethane	**0.96**		0.80		ppb v/v			06/13/17 17:45	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 17:45	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 17:45	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 17:45	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 17:45	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 17:45	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 17:45	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 17:45	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 17:45	1
cis-1,2-Dichloroethene	**7.8**		0.40		ppb v/v			06/13/17 17:45	1
trans-1,2-Dichloroethene	**0.82**		0.40		ppb v/v			06/13/17 17:45	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 17:45	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 17:45	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 17:45	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 17:45	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 17:45	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 17:45	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 17:45	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 17:45	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 17:45	1
Styrene	ND		0.40		ppb v/v			06/13/17 17:45	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 17:45	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 17:45	1
Toluene	ND		0.40		ppb v/v			06/13/17 17:45	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 17:45	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 17:45	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 17:45	1
Trichloroethene	**0.56**		0.40		ppb v/v			06/13/17 17:45	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 17:45	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 17:45	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 17:45	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 17:45	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 17:45	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-1
Date Collected: 06/01/17 15:54
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-18
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.75**		0.40		ppb v/v			06/13/17 17:45	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 17:45	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 17:45	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 17:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**		12		ug/m3			06/13/17 17:45	1
Benzene	ND		1.3		ug/m3			06/13/17 17:45	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 17:45	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 17:45	1
Bromoform	ND		4.1		ug/m3			06/13/17 17:45	1
Bromomethane	ND		3.1		ug/m3			06/13/17 17:45	1
2-Butanone (MEK)	**4.4**		2.4		ug/m3			06/13/17 17:45	1
Carbon disulfide	**12**		2.5		ug/m3			06/13/17 17:45	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 17:45	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 17:45	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 17:45	1
Chloroethane	ND		2.1		ug/m3			06/13/17 17:45	1
Chloroform	ND		1.5		ug/m3			06/13/17 17:45	1
Chloromethane	**2.0**		1.7		ug/m3			06/13/17 17:45	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 17:45	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 17:45	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 17:45	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 17:45	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 17:45	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 17:45	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 17:45	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 17:45	1
cis-1,2-Dichloroethene	**31**		1.6		ug/m3			06/13/17 17:45	1
trans-1,2-Dichloroethene	**3.3**		1.6		ug/m3			06/13/17 17:45	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 17:45	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 17:45	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 17:45	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 17:45	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 17:45	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 17:45	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 17:45	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 17:45	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 17:45	1
Styrene	ND		1.7		ug/m3			06/13/17 17:45	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 17:45	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 17:45	1
Toluene	ND		1.5		ug/m3			06/13/17 17:45	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 17:45	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 17:45	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 17:45	1
Trichloroethene	**3.0**		2.1		ug/m3			06/13/17 17:45	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 17:45	1

Client Sample ID: SVE-1

Lab Sample ID: 320-28795-18

Date Collected: 06/01/17 15:54
Matrix: Air
Date Received: 06/03/17 09:04
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			06/13/17 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 17:45	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 17:45	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 17:45	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 17:45	1
Vinyl chloride	**1.9**		1.0		ug/m3			06/13/17 17:45	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 17:45	1
o-Xylene	ND		1.7		ug/m3			06/13/17 17:45	1
Naphthalene	ND		4.2		ug/m3			06/13/17 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*06/13/17 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/17 17:45*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*06/13/17 17:45*	*1*

Client Sample ID: SVE-10

Lab Sample ID: 320-28795-19

Date Collected: 06/01/17 16:04
Matrix: Air
Date Received: 06/03/17 09:04
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	**13**		13		ppb v/v			06/13/17 18:38	2.64
Benzene	**17**		1.1		ppb v/v			06/13/17 18:38	2.64
Benzyl chloride	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Bromodichloromethane	ND		0.79		ppb v/v			06/13/17 18:38	2.64
Bromoform	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Bromomethane	ND		2.1		ppb v/v			06/13/17 18:38	2.64
2-Butanone (MEK)	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Carbon disulfide	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Carbon tetrachloride	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Chlorobenzene	ND		0.79		ppb v/v			06/13/17 18:38	2.64
Dibromochloromethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Chloroethane	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Chloroform	ND		0.79		ppb v/v			06/13/17 18:38	2.64
Chloromethane	ND		2.1		ppb v/v			06/13/17 18:38	2.64
1,2-Dibromoethane (EDB)	ND		2.1		ppb v/v			06/13/17 18:38	2.64
1,2-Dichlorobenzene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,3-Dichlorobenzene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,4-Dichlorobenzene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Dichlorodifluoromethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,1-Dichloroethane	ND		0.79		ppb v/v			06/13/17 18:38	2.64
1,2-Dichloroethane	ND		2.1		ppb v/v			06/13/17 18:38	2.64
1,1-Dichloroethene	ND		2.1		ppb v/v			06/13/17 18:38	2.64
cis-1,2-Dichloroethene	**3.0**		1.1		ppb v/v			06/13/17 18:38	2.64
trans-1,2-Dichloroethene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,2-Dichloropropane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
cis-1,3-Dichloropropene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
trans-1,3-Dichloropropene	ND		1.1		ppb v/v			06/13/17 18:38	2.64

Client Sample ID: SVE-10
Date Collected: 06/01/17 16:04
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-19
Matrix: Air

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		1.1		ppb v/v			06/13/17 18:38	2.64
Ethylbenzene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
4-Ethyltoluene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Hexachlorobutadiene	ND		5.3		ppb v/v			06/13/17 18:38	2.64
2-Hexanone	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Methylene Chloride	ND		1.1		ppb v/v			06/13/17 18:38	2.64
4-Methyl-2-pentanone (MIBK)	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Styrene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,1,2,2-Tetrachloroethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Tetrachloroethene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Toluene	**1.2**		1.1		ppb v/v			06/13/17 18:38	2.64
1,2,4-Trichlorobenzene	ND		5.3		ppb v/v			06/13/17 18:38	2.64
1,1,1-Trichloroethane	ND		0.79		ppb v/v			06/13/17 18:38	2.64
1,1,2-Trichloroethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Trichloroethene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,4-Dioxane	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Trichlorofluoromethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1		ppb v/v			06/13/17 18:38	2.64
1,2,4-Trimethylbenzene	ND		2.1		ppb v/v			06/13/17 18:38	2.64
1,3,5-Trimethylbenzene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Vinyl acetate	ND		2.1		ppb v/v			06/13/17 18:38	2.64
Vinyl chloride	**71**		1.1		ppb v/v			06/13/17 18:38	2.64
m,p-Xylene	ND		2.1		ppb v/v			06/13/17 18:38	2.64
o-Xylene	ND		1.1		ppb v/v			06/13/17 18:38	2.64
Naphthalene	ND		2.1		ppb v/v			06/13/17 18:38	2.64

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**32**		31		ug/m3			06/13/17 18:38	2.64
Benzene	**53**		3.4		ug/m3			06/13/17 18:38	2.64
Benzyl chloride	ND		11		ug/m3			06/13/17 18:38	2.64
Bromodichloromethane	ND		5.3		ug/m3			06/13/17 18:38	2.64
Bromoform	ND		11		ug/m3			06/13/17 18:38	2.64
Bromomethane	ND		8.2		ug/m3			06/13/17 18:38	2.64
2-Butanone (MEK)	ND		6.2		ug/m3			06/13/17 18:38	2.64
Carbon disulfide	ND		6.6		ug/m3			06/13/17 18:38	2.64
Carbon tetrachloride	ND		13		ug/m3			06/13/17 18:38	2.64
Chlorobenzene	ND		3.6		ug/m3			06/13/17 18:38	2.64
Dibromochloromethane	ND		9.0		ug/m3			06/13/17 18:38	2.64
Chloroethane	ND		5.6		ug/m3			06/13/17 18:38	2.64
Chloroform	ND		3.9		ug/m3			06/13/17 18:38	2.64
Chloromethane	ND		4.4		ug/m3			06/13/17 18:38	2.64
1,2-Dibromoethane (EDB)	ND		16		ug/m3			06/13/17 18:38	2.64
1,2-Dichlorobenzene	ND		6.3		ug/m3			06/13/17 18:38	2.64
1,3-Dichlorobenzene	ND		6.3		ug/m3			06/13/17 18:38	2.64
1,4-Dichlorobenzene	ND		6.3		ug/m3			06/13/17 18:38	2.64
Dichlorodifluoromethane	ND		5.2		ug/m3			06/13/17 18:38	2.64
1,1-Dichloroethane	ND		3.2		ug/m3			06/13/17 18:38	2.64
1,2-Dichloroethane	ND		8.5		ug/m3			06/13/17 18:38	2.64
1,1-Dichloroethene	ND		8.4		ug/m3			06/13/17 18:38	2.64

Client Sample ID: SVE-10

Lab Sample ID: 320-28795-19

Date Collected: 06/01/17 16:04

Matrix: Air

Date Received: 06/03/17 09:04

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	**12**		4.2		ug/m3			06/13/17 18:38	2.64
trans-1,2-Dichloroethene	ND		4.2		ug/m3			06/13/17 18:38	2.64
1,2-Dichloropropane	ND		4.9		ug/m3			06/13/17 18:38	2.64
cis-1,3-Dichloropropene	ND		4.8		ug/m3			06/13/17 18:38	2.64
trans-1,3-Dichloropropene	ND		4.8		ug/m3			06/13/17 18:38	2.64
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		7.4		ug/m3			06/13/17 18:38	2.64
Ethylbenzene	ND		4.6		ug/m3			06/13/17 18:38	2.64
4-Ethyltoluene	ND		5.2		ug/m3			06/13/17 18:38	2.64
Hexachlorobutadiene	ND		56		ug/m3			06/13/17 18:38	2.64
2-Hexanone	ND		4.3		ug/m3			06/13/17 18:38	2.64
Methylene Chloride	ND		3.7		ug/m3			06/13/17 18:38	2.64
4-Methyl-2-pentanone (MIBK)	ND		4.3		ug/m3			06/13/17 18:38	2.64
Styrene	ND		4.5		ug/m3			06/13/17 18:38	2.64
1,1,2,2-Tetrachloroethane	ND		7.2		ug/m3			06/13/17 18:38	2.64
Tetrachloroethene	ND		7.2		ug/m3			06/13/17 18:38	2.64
Toluene	**4.7**		4.0		ug/m3			06/13/17 18:38	2.64
1,2,4-Trichlorobenzene	ND		39		ug/m3			06/13/17 18:38	2.64
1,1,1-Trichloroethane	ND		4.3		ug/m3			06/13/17 18:38	2.64
1,1,2-Trichloroethane	ND		5.8		ug/m3			06/13/17 18:38	2.64
Trichloroethene	ND		5.7		ug/m3			06/13/17 18:38	2.64
1,4-Dioxane	ND		7.6		ug/m3			06/13/17 18:38	2.64
Trichlorofluoromethane	ND		5.9		ug/m3			06/13/17 18:38	2.64
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1		ug/m3			06/13/17 18:38	2.64
1,2,4-Trimethylbenzene	ND		10		ug/m3			06/13/17 18:38	2.64
1,3,5-Trimethylbenzene	ND		5.2		ug/m3			06/13/17 18:38	2.64
Vinyl acetate	ND		7.4		ug/m3			06/13/17 18:38	2.64
Vinyl chloride	**180**		2.7		ug/m3			06/13/17 18:38	2.64
m,p-Xylene	ND		9.2		ug/m3			06/13/17 18:38	2.64
o-Xylene	ND		4.6		ug/m3			06/13/17 18:38	2.64
Naphthalene	ND		11		ug/m3			06/13/17 18:38	2.64

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*		*06/13/17 18:38*	*2.64*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/13/17 18:38*	*2.64*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/13/17 18:38*	*2.64*

Client Sample ID: SVE-9

Lab Sample ID: 320-28795-20

Date Collected: 06/01/17 16:06

Matrix: Air

Date Received: 06/03/17 09:04

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	**6.4**		5.0		ppb v/v			06/13/17 19:35	1
Benzene	**22**		0.40		ppb v/v			06/13/17 19:35	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 19:35	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 19:35	1
Bromoform	ND		0.40		ppb v/v			06/13/17 19:35	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 19:35	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-9
Date Collected: 06/01/17 16:06
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-20
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**2.1**		0.80		ppb v/v			06/13/17 19:35	1
Carbon disulfide	**38**		0.80		ppb v/v			06/13/17 19:35	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 19:35	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 19:35	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 19:35	1
Chloroethane	**2.4**		0.80		ppb v/v			06/13/17 19:35	1
Chloroform	ND		0.30		ppb v/v			06/13/17 19:35	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 19:35	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 19:35	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 19:35	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 19:35	1
1,1-Dichloroethane	**0.34**		0.30		ppb v/v			06/13/17 19:35	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 19:35	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 19:35	1
cis-1,2-Dichloroethene	**1.1**		0.40		ppb v/v			06/13/17 19:35	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 19:35	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 19:35	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 19:35	1
Ethylbenzene	**1.1**		0.40		ppb v/v			06/13/17 19:35	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 19:35	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 19:35	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 19:35	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 19:35	1
Styrene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 19:35	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 19:35	1
Toluene	**3.2**		0.40		ppb v/v			06/13/17 19:35	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 19:35	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 19:35	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 19:35	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 19:35	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 19:35	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 19:35	1
1,2,4-Trimethylbenzene	**1.1**		0.80		ppb v/v			06/13/17 19:35	1
1,3,5-Trimethylbenzene	**1.0**		0.40		ppb v/v			06/13/17 19:35	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 19:35	1
Vinyl chloride	**6.9**		0.40		ppb v/v			06/13/17 19:35	1
m,p-Xylene	**11**		0.80		ppb v/v			06/13/17 19:35	1
o-Xylene	**1.6**		0.40		ppb v/v			06/13/17 19:35	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 19:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**		12		ug/m3			06/13/17 19:35	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-9
Date Collected: 06/01/17 16:06
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-20
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**71**		1.3		ug/m3			06/13/17 19:35	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 19:35	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 19:35	1
Bromoform	ND		4.1		ug/m3			06/13/17 19:35	1
Bromomethane	ND		3.1		ug/m3			06/13/17 19:35	1
2-Butanone (MEK)	**6.2**		2.4		ug/m3			06/13/17 19:35	1
Carbon disulfide	**120**		2.5		ug/m3			06/13/17 19:35	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 19:35	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 19:35	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 19:35	1
Chloroethane	**6.4**		2.1		ug/m3			06/13/17 19:35	1
Chloroform	ND		1.5		ug/m3			06/13/17 19:35	1
Chloromethane	ND		1.7		ug/m3			06/13/17 19:35	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 19:35	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 19:35	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 19:35	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 19:35	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 19:35	1
1,1-Dichloroethane	**1.4**		1.2		ug/m3			06/13/17 19:35	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 19:35	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 19:35	1
cis-1,2-Dichloroethene	**4.3**		1.6		ug/m3			06/13/17 19:35	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 19:35	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 19:35	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 19:35	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 19:35	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 19:35	1
Ethylbenzene	**4.6**		1.7		ug/m3			06/13/17 19:35	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 19:35	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 19:35	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 19:35	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 19:35	1
Styrene	ND		1.7		ug/m3			06/13/17 19:35	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 19:35	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 19:35	1
Toluene	**12**		1.5		ug/m3			06/13/17 19:35	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 19:35	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 19:35	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 19:35	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 19:35	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 19:35	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 19:35	1
1,2,4-Trimethylbenzene	**5.6**		3.9		ug/m3			06/13/17 19:35	1
1,3,5-Trimethylbenzene	**5.0**		2.0		ug/m3			06/13/17 19:35	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 19:35	1
Vinyl chloride	**18**		1.0		ug/m3			06/13/17 19:35	1

Client Sample ID: SVE-9

Lab Sample ID: 320-28795-20

Date Collected: 06/01/17 16:06
Matrix: Air
Date Received: 06/03/17 09:04
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	**46**		3.5		ug/m3			06/13/17 19:35	1
o-Xylene	**6.8**		1.7		ug/m3			06/13/17 19:35	1
Naphthalene	ND		4.2		ug/m3			06/13/17 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*06/13/17 19:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*06/13/17 19:35*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*06/13/17 19:35*	*1*

Client Sample ID: SVE-14

Lab Sample ID: 320-28795-21

Date Collected: 06/01/17 16:09
Matrix: Air
Date Received: 06/03/17 09:04
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	**7.4**		5.0		ppb v/v			06/13/17 20:32	1
Benzene	ND		0.40		ppb v/v			06/13/17 20:32	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 20:32	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 20:32	1
Bromoform	ND		0.40		ppb v/v			06/13/17 20:32	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 20:32	1
2-Butanone (MEK)	**3.3**		0.80		ppb v/v			06/13/17 20:32	1
Carbon disulfide	ND		0.80		ppb v/v			06/13/17 20:32	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 20:32	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 20:32	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 20:32	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 20:32	1
Chloroform	ND		0.30		ppb v/v			06/13/17 20:32	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 20:32	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 20:32	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 20:32	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 20:32	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 20:32	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 20:32	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 20:32	1
cis-1,2-Dichloroethene	**0.42**		0.40		ppb v/v			06/13/17 20:32	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 20:32	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 20:32	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 20:32	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 20:32	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 20:32	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 20:32	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 20:32	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 20:32	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-14
Date Collected: 06/01/17 16:09
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-21
Matrix: Air

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		0.40		ppb v/v			06/13/17 20:32	1
Styrene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 20:32	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 20:32	1
Toluene	**0.45**		0.40		ppb v/v			06/13/17 20:32	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 20:32	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 20:32	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 20:32	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 20:32	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 20:32	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 20:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 20:32	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 20:32	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 20:32	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 20:32	1
Vinyl chloride	ND		0.40		ppb v/v			06/13/17 20:32	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 20:32	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 20:32	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 20:32	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**		12		ug/m3			06/13/17 20:32	1
Benzene	ND		1.3		ug/m3			06/13/17 20:32	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 20:32	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 20:32	1
Bromoform	ND		4.1		ug/m3			06/13/17 20:32	1
Bromomethane	ND		3.1		ug/m3			06/13/17 20:32	1
2-Butanone (MEK)	**9.9**		2.4		ug/m3			06/13/17 20:32	1
Carbon disulfide	ND		2.5		ug/m3			06/13/17 20:32	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 20:32	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 20:32	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 20:32	1
Chloroethane	ND		2.1		ug/m3			06/13/17 20:32	1
Chloroform	ND		1.5		ug/m3			06/13/17 20:32	1
Chloromethane	ND		1.7		ug/m3			06/13/17 20:32	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 20:32	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 20:32	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 20:32	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 20:32	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 20:32	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 20:32	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 20:32	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 20:32	1
cis-1,2-Dichloroethene	**1.7**		1.6		ug/m3			06/13/17 20:32	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 20:32	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 20:32	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 20:32	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 20:32	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 20:32	1

Client Sample ID: SVE-14

Lab Sample ID: 320-28795-21

Date Collected: 06/01/17 16:09

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 20:32	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 20:32	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 20:32	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 20:32	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 20:32	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 20:32	1
Styrene	ND		1.7		ug/m3			06/13/17 20:32	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 20:32	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 20:32	1
Toluene	**1.7**		1.5		ug/m3			06/13/17 20:32	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 20:32	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 20:32	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 20:32	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 20:32	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 20:32	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 20:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 20:32	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 20:32	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 20:32	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 20:32	1
Vinyl chloride	ND		1.0		ug/m3			06/13/17 20:32	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 20:32	1
o-Xylene	ND		1.7		ug/m3			06/13/17 20:32	1
Naphthalene	ND		4.2		ug/m3			06/13/17 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*06/13/17 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/13/17 20:32*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*06/13/17 20:32*	*1*

Client Sample ID: SVP-1-3.5

Lab Sample ID: 320-28795-22

Date Collected: 06/01/17 17:00

Matrix: Air

Date Received: 06/03/17 09:04

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	**11**		5.0		ppb v/v			06/13/17 21:30	1
Benzene	**0.60**		0.40		ppb v/v			06/13/17 21:30	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 21:30	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 21:30	1
Bromoform	ND		0.40		ppb v/v			06/13/17 21:30	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 21:30	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 21:30	1
Carbon disulfide	ND		0.80		ppb v/v			06/13/17 21:30	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 21:30	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 21:30	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 21:30	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 21:30	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-1-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-22
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**0.63**		0.30		ppb v/v			06/13/17 21:30	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 21:30	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 21:30	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 21:30	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 21:30	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 21:30	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 21:30	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 21:30	1
cis-1,2-Dichloroethene	**2.2**		0.40		ppb v/v			06/13/17 21:30	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 21:30	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 21:30	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 21:30	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 21:30	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 21:30	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 21:30	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 21:30	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 21:30	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 21:30	1
Styrene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 21:30	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 21:30	1
Toluene	ND		0.40		ppb v/v			06/13/17 21:30	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 21:30	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 21:30	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 21:30	1
Trichloroethene	**3.9**		0.40		ppb v/v			06/13/17 21:30	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 21:30	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 21:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 21:30	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 21:30	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 21:30	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 21:30	1
Vinyl chloride	**0.46**		0.40		ppb v/v			06/13/17 21:30	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 21:30	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 21:30	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 21:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**27**		12		ug/m3			06/13/17 21:30	1
Benzene	**1.9**		1.3		ug/m3			06/13/17 21:30	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 21:30	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 21:30	1
Bromoform	ND		4.1		ug/m3			06/13/17 21:30	1
Bromomethane	ND		3.1		ug/m3			06/13/17 21:30	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 21:30	1

Client Sample ID: SVP-1-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-22
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.5		ug/m3			06/13/17 21:30	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 21:30	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 21:30	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 21:30	1
Chloroethane	ND		2.1		ug/m3			06/13/17 21:30	1
Chloroform	**3.1**		1.5		ug/m3			06/13/17 21:30	1
Chloromethane	ND		1.7		ug/m3			06/13/17 21:30	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 21:30	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 21:30	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 21:30	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 21:30	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 21:30	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 21:30	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 21:30	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 21:30	1
cis-1,2-Dichloroethene	**8.6**		1.6		ug/m3			06/13/17 21:30	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 21:30	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 21:30	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 21:30	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 21:30	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 21:30	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 21:30	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 21:30	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 21:30	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 21:30	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 21:30	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 21:30	1
Styrene	ND		1.7		ug/m3			06/13/17 21:30	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 21:30	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 21:30	1
Toluene	ND		1.5		ug/m3			06/13/17 21:30	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 21:30	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 21:30	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 21:30	1
Trichloroethene	**21**		2.1		ug/m3			06/13/17 21:30	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 21:30	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 21:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 21:30	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 21:30	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 21:30	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 21:30	1
Vinyl chloride	**1.2**		1.0		ug/m3			06/13/17 21:30	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 21:30	1
o-Xylene	ND		1.7		ug/m3			06/13/17 21:30	1
Naphthalene	ND		4.2		ug/m3			06/13/17 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 21:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*06/13/17 21:30*	*1*

Client Sample ID: SVP-1-3.5

Lab Sample ID: 320-28795-22

Date Collected: 06/01/17 17:00
Matrix: Air
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*06/13/17 21:30*	*1*

Client Sample ID: SVP-3-3.5

Lab Sample ID: 320-28795-23

Date Collected: 06/01/17 17:00
Matrix: Air
Date Received: 06/03/17 09:04
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			06/13/17 22:27	1
Benzene	ND		0.40		ppb v/v			06/13/17 22:27	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 22:27	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 22:27	1
Bromoform	ND		0.40		ppb v/v			06/13/17 22:27	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 22:27	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 22:27	1
Carbon disulfide	**0.84**		0.80		ppb v/v			06/13/17 22:27	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 22:27	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 22:27	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 22:27	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 22:27	1
Chloroform	ND		0.30		ppb v/v			06/13/17 22:27	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 22:27	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 22:27	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 22:27	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 22:27	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 22:27	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 22:27	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 22:27	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 22:27	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 22:27	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 22:27	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 22:27	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 22:27	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 22:27	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 22:27	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 22:27	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 22:27	1
Styrene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 22:27	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 22:27	1
Toluene	ND		0.40		ppb v/v			06/13/17 22:27	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 22:27	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-3-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-23
Matrix: Air

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			06/13/17 22:27	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 22:27	1
Trichloroethene	**0.42**		0.40		ppb v/v			06/13/17 22:27	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 22:27	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 22:27	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 22:27	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 22:27	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 22:27	1
Vinyl chloride	ND		0.40		ppb v/v			06/13/17 22:27	1
m,p-Xylene	**1.8**		0.80		ppb v/v			06/13/17 22:27	1
o-Xylene	**0.67**		0.40		ppb v/v			06/13/17 22:27	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 22:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/13/17 22:27	1
Benzene	ND		1.3		ug/m3			06/13/17 22:27	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 22:27	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 22:27	1
Bromoform	ND		4.1		ug/m3			06/13/17 22:27	1
Bromomethane	ND		3.1		ug/m3			06/13/17 22:27	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 22:27	1
Carbon disulfide	**2.6**		2.5		ug/m3			06/13/17 22:27	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 22:27	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 22:27	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 22:27	1
Chloroethane	ND		2.1		ug/m3			06/13/17 22:27	1
Chloroform	ND		1.5		ug/m3			06/13/17 22:27	1
Chloromethane	ND		1.7		ug/m3			06/13/17 22:27	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 22:27	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 22:27	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 22:27	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 22:27	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 22:27	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 22:27	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 22:27	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 22:27	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 22:27	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 22:27	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 22:27	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 22:27	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 22:27	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 22:27	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 22:27	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 22:27	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 22:27	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 22:27	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 22:27	1

Client Sample ID: SVP-3-3.5

Lab Sample ID: 320-28795-23

Date Collected: 06/01/17 17:00

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 22:27	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 22:27	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 22:27	1
Toluene	ND		1.5		ug/m3			06/13/17 22:27	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 22:27	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 22:27	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 22:27	1
Trichloroethene	**2.3**		2.1		ug/m3			06/13/17 22:27	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 22:27	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 22:27	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 22:27	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 22:27	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 22:27	1
Vinyl chloride	ND		1.0		ug/m3			06/13/17 22:27	1
m,p-Xylene	**7.8**		3.5		ug/m3			06/13/17 22:27	1
o-Xylene	**2.9**		1.7		ug/m3			06/13/17 22:27	1
Naphthalene	ND		4.2		ug/m3			06/13/17 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 22:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*06/13/17 22:27*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*06/13/17 22:27*	*1*

Client Sample ID: SVP-4-3.5

Lab Sample ID: 320-28795-24

Date Collected: 06/01/17 17:00

Matrix: Air

Date Received: 06/03/17 09:04

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			06/13/17 23:24	1
Benzene	ND		0.40		ppb v/v			06/13/17 23:24	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 23:24	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 23:24	1
Bromoform	ND		0.40		ppb v/v			06/13/17 23:24	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 23:24	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 23:24	1
Carbon disulfide	ND		0.80		ppb v/v			06/13/17 23:24	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 23:24	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 23:24	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 23:24	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 23:24	1
Chloroform	ND		0.30		ppb v/v			06/13/17 23:24	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 23:24	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 23:24	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 23:24	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-4-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-24
Matrix: Air

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			06/13/17 23:24	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 23:24	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 23:24	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 23:24	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 23:24	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 23:24	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 23:24	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/13/17 23:24	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 23:24	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 23:24	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 23:24	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 23:24	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 23:24	1
Styrene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 23:24	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 23:24	1
Toluene	ND		0.40		ppb v/v			06/13/17 23:24	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 23:24	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 23:24	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 23:24	1
Trichloroethene	**0.76**		0.40		ppb v/v			06/13/17 23:24	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 23:24	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 23:24	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 23:24	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 23:24	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 23:24	1
Vinyl chloride	ND		0.40		ppb v/v			06/13/17 23:24	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 23:24	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 23:24	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 23:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/13/17 23:24	1
Benzene	ND		1.3		ug/m3			06/13/17 23:24	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 23:24	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 23:24	1
Bromoform	ND		4.1		ug/m3			06/13/17 23:24	1
Bromomethane	ND		3.1		ug/m3			06/13/17 23:24	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 23:24	1
Carbon disulfide	ND		2.5		ug/m3			06/13/17 23:24	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 23:24	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 23:24	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 23:24	1
Chloroethane	ND		2.1		ug/m3			06/13/17 23:24	1
Chloroform	ND		1.5		ug/m3			06/13/17 23:24	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-4-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-24
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.7		ug/m3			06/13/17 23:24	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 23:24	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 23:24	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 23:24	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 23:24	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 23:24	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 23:24	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 23:24	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/13/17 23:24	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 23:24	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 23:24	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 23:24	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 23:24	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 23:24	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 23:24	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 23:24	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 23:24	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 23:24	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 23:24	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 23:24	1
Styrene	ND		1.7		ug/m3			06/13/17 23:24	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 23:24	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 23:24	1
Toluene	ND		1.5		ug/m3			06/13/17 23:24	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 23:24	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 23:24	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 23:24	1
Trichloroethene	**4.1**		2.1		ug/m3			06/13/17 23:24	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 23:24	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 23:24	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 23:24	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 23:24	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 23:24	1
Vinyl chloride	ND		1.0		ug/m3			06/13/17 23:24	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 23:24	1
o-Xylene	ND		1.7		ug/m3			06/13/17 23:24	1
Naphthalene	ND		4.2		ug/m3			06/13/17 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*06/13/17 23:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/13/17 23:24*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/13/17 23:24*	*1*

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-6-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-25
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		360		ppb v/v			06/14/17 00:15	71
Benzene	ND		28		ppb v/v			06/14/17 00:15	71
Benzyl chloride	ND		57		ppb v/v			06/14/17 00:15	71
Bromodichloromethane	ND		21		ppb v/v			06/14/17 00:15	71
Bromoform	ND		28		ppb v/v			06/14/17 00:15	71
Bromomethane	ND		57		ppb v/v			06/14/17 00:15	71
2-Butanone (MEK)	ND		57		ppb v/v			06/14/17 00:15	71
Carbon disulfide	ND		57		ppb v/v			06/14/17 00:15	71
Carbon tetrachloride	ND		57		ppb v/v			06/14/17 00:15	71
Chlorobenzene	ND		21		ppb v/v			06/14/17 00:15	71
Dibromochloromethane	ND		28		ppb v/v			06/14/17 00:15	71
Chloroethane	ND		57		ppb v/v			06/14/17 00:15	71
Chloroform	ND		21		ppb v/v			06/14/17 00:15	71
Chloromethane	ND		57		ppb v/v			06/14/17 00:15	71
1,2-Dibromoethane (EDB)	ND		57		ppb v/v			06/14/17 00:15	71
1,2-Dichlorobenzene	ND		28		ppb v/v			06/14/17 00:15	71
1,3-Dichlorobenzene	ND		28		ppb v/v			06/14/17 00:15	71
1,4-Dichlorobenzene	ND		28		ppb v/v			06/14/17 00:15	71
Dichlorodifluoromethane	ND		28		ppb v/v			06/14/17 00:15	71
1,1-Dichloroethane	ND		21		ppb v/v			06/14/17 00:15	71
1,2-Dichloroethane	ND		57		ppb v/v			06/14/17 00:15	71
1,1-Dichloroethene	ND		57		ppb v/v			06/14/17 00:15	71
cis-1,2-Dichloroethene	**81**		28		ppb v/v			06/14/17 00:15	71
trans-1,2-Dichloroethene	ND		28		ppb v/v			06/14/17 00:15	71
1,2-Dichloropropane	ND		28		ppb v/v			06/14/17 00:15	71
cis-1,3-Dichloropropene	ND		28		ppb v/v			06/14/17 00:15	71
trans-1,3-Dichloropropene	ND		28		ppb v/v			06/14/17 00:15	71
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		28		ppb v/v			06/14/17 00:15	71
Ethylbenzene	ND		28		ppb v/v			06/14/17 00:15	71
4-Ethyltoluene	ND		28		ppb v/v			06/14/17 00:15	71
Hexachlorobutadiene	ND		140		ppb v/v			06/14/17 00:15	71
2-Hexanone	ND		28		ppb v/v			06/14/17 00:15	71
Methylene Chloride	ND		28		ppb v/v			06/14/17 00:15	71
4-Methyl-2-pentanone (MIBK)	ND		28		ppb v/v			06/14/17 00:15	71
Styrene	ND		28		ppb v/v			06/14/17 00:15	71
1,1,2,2-Tetrachloroethane	ND		28		ppb v/v			06/14/17 00:15	71
Tetrachloroethene	ND		28		ppb v/v			06/14/17 00:15	71
Toluene	ND		28		ppb v/v			06/14/17 00:15	71
1,2,4-Trichlorobenzene	ND		140		ppb v/v			06/14/17 00:15	71
1,1,1-Trichloroethane	ND		21		ppb v/v			06/14/17 00:15	71
1,1,2-Trichloroethane	ND		28		ppb v/v			06/14/17 00:15	71
Trichloroethene	ND		28		ppb v/v			06/14/17 00:15	71
1,4-Dioxane	ND		57		ppb v/v			06/14/17 00:15	71
Trichlorofluoromethane	ND		28		ppb v/v			06/14/17 00:15	71
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28		ppb v/v			06/14/17 00:15	71
1,2,4-Trimethylbenzene	ND		57		ppb v/v			06/14/17 00:15	71
1,3,5-Trimethylbenzene	ND		28		ppb v/v			06/14/17 00:15	71
Vinyl acetate	ND		57		ppb v/v			06/14/17 00:15	71

Client Sample ID: SVP-6-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-25
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**2200**		28		ppb v/v			06/14/17 00:15	71
m,p-Xylene	ND		57		ppb v/v			06/14/17 00:15	71
o-Xylene	ND		28		ppb v/v			06/14/17 00:15	71
Naphthalene	ND		57		ppb v/v			06/14/17 00:15	71

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		840		ug/m3			06/14/17 00:15	71
Benzene	ND		91		ug/m3			06/14/17 00:15	71
Benzyl chloride	ND		290		ug/m3			06/14/17 00:15	71
Bromodichloromethane	ND		140		ug/m3			06/14/17 00:15	71
Bromoform	ND		290		ug/m3			06/14/17 00:15	71
Bromomethane	ND		220		ug/m3			06/14/17 00:15	71
2-Butanone (MEK)	ND		170		ug/m3			06/14/17 00:15	71
Carbon disulfide	ND		180		ug/m3			06/14/17 00:15	71
Carbon tetrachloride	ND		360		ug/m3			06/14/17 00:15	71
Chlorobenzene	ND		98		ug/m3			06/14/17 00:15	71
Dibromochloromethane	ND		240		ug/m3			06/14/17 00:15	71
Chloroethane	ND		150		ug/m3			06/14/17 00:15	71
Chloroform	ND		100		ug/m3			06/14/17 00:15	71
Chloromethane	ND		120		ug/m3			06/14/17 00:15	71
1,2-Dibromoethane (EDB)	ND		440		ug/m3			06/14/17 00:15	71
1,2-Dichlorobenzene	ND		170		ug/m3			06/14/17 00:15	71
1,3-Dichlorobenzene	ND		170		ug/m3			06/14/17 00:15	71
1,4-Dichlorobenzene	ND		170		ug/m3			06/14/17 00:15	71
Dichlorodifluoromethane	ND		140		ug/m3			06/14/17 00:15	71
1,1-Dichloroethane	ND		86		ug/m3			06/14/17 00:15	71
1,2-Dichloroethane	ND		230		ug/m3			06/14/17 00:15	71
1,1-Dichloroethene	ND		230		ug/m3			06/14/17 00:15	71
cis-1,2-Dichloroethene	**320**		110		ug/m3			06/14/17 00:15	71
trans-1,2-Dichloroethene	ND		110		ug/m3			06/14/17 00:15	71
1,2-Dichloropropane	ND		130		ug/m3			06/14/17 00:15	71
cis-1,3-Dichloropropene	ND		130		ug/m3			06/14/17 00:15	71
trans-1,3-Dichloropropene	ND		130		ug/m3			06/14/17 00:15	71
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		200		ug/m3			06/14/17 00:15	71
Ethylbenzene	ND		120		ug/m3			06/14/17 00:15	71
4-Ethyltoluene	ND		140		ug/m3			06/14/17 00:15	71
Hexachlorobutadiene	ND		1500		ug/m3			06/14/17 00:15	71
2-Hexanone	ND		120		ug/m3			06/14/17 00:15	71
Methylene Chloride	ND		99		ug/m3			06/14/17 00:15	71
4-Methyl-2-pentanone (MIBK)	ND		120		ug/m3			06/14/17 00:15	71
Styrene	ND		120		ug/m3			06/14/17 00:15	71
1,1,2,2-Tetrachloroethane	ND		190		ug/m3			06/14/17 00:15	71
Tetrachloroethene	ND		190		ug/m3			06/14/17 00:15	71
Toluene	ND		110		ug/m3			06/14/17 00:15	71
1,2,4-Trichlorobenzene	ND		1100		ug/m3			06/14/17 00:15	71
1,1,1-Trichloroethane	ND		120		ug/m3			06/14/17 00:15	71
1,1,2-Trichloroethane	ND		150		ug/m3			06/14/17 00:15	71
Trichloroethene	ND		150		ug/m3			06/14/17 00:15	71
1,4-Dioxane	ND		200		ug/m3			06/14/17 00:15	71

Client Sample ID: SVP-6-3.5

Lab Sample ID: 320-28795-25
Matrix: Air
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04
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		160		ug/m3			06/14/17 00:15	71
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		220		ug/m3			06/14/17 00:15	71
1,2,4-Trimethylbenzene	ND		280		ug/m3			06/14/17 00:15	71
1,3,5-Trimethylbenzene	ND		140		ug/m3			06/14/17 00:15	71
Vinyl acetate	ND		200		ug/m3			06/14/17 00:15	71
Vinyl chloride	**5700**		73		ug/m3			06/14/17 00:15	71
m,p-Xylene	ND		250		ug/m3			06/14/17 00:15	71
o-Xylene	ND		120		ug/m3			06/14/17 00:15	71
Naphthalene	ND		300		ug/m3			06/14/17 00:15	71

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*06/14/17 00:15*	*71*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*06/14/17 00:15*	*71*
Toluene-d8 (Surr)	*118*		*70 - 130*		*06/14/17 00:15*	*71*

Client Sample ID: SVP-4-3.5-DUP

Lab Sample ID: 320-28795-26
Matrix: Air
Date Collected: 06/01/17 17:19
Date Received: 06/03/17 09:04
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			06/14/17 01:14	1
Benzene	ND		0.40		ppb v/v			06/14/17 01:14	1
Benzyl chloride	ND		0.80		ppb v/v			06/14/17 01:14	1
Bromodichloromethane	ND		0.30		ppb v/v			06/14/17 01:14	1
Bromoform	ND		0.40		ppb v/v			06/14/17 01:14	1
Bromomethane	ND		0.80		ppb v/v			06/14/17 01:14	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/14/17 01:14	1
Carbon disulfide	**3.4**		0.80		ppb v/v			06/14/17 01:14	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/14/17 01:14	1
Chlorobenzene	ND		0.30		ppb v/v			06/14/17 01:14	1
Dibromochloromethane	ND		0.40		ppb v/v			06/14/17 01:14	1
Chloroethane	ND		0.80		ppb v/v			06/14/17 01:14	1
Chloroform	ND		0.30		ppb v/v			06/14/17 01:14	1
Chloromethane	ND		0.80		ppb v/v			06/14/17 01:14	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/14/17 01:14	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/14/17 01:14	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/14/17 01:14	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/14/17 01:14	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/14/17 01:14	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/14/17 01:14	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/14/17 01:14	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/14/17 01:14	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/14/17 01:14	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/14/17 01:14	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/14/17 01:14	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/14/17 01:14	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/14/17 01:14	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-4-3.5-DUP
Date Collected: 06/01/17 17:19
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28795-26
Matrix: Air

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			06/14/17 01:14	1
Ethylbenzene	ND		0.40		ppb v/v			06/14/17 01:14	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/14/17 01:14	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/14/17 01:14	1
2-Hexanone	ND		0.40		ppb v/v			06/14/17 01:14	1
Methylene Chloride	ND		0.40		ppb v/v			06/14/17 01:14	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/14/17 01:14	1
Styrene	ND		0.40		ppb v/v			06/14/17 01:14	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/14/17 01:14	1
Tetrachloroethene	ND		0.40		ppb v/v			06/14/17 01:14	1
Toluene	ND		0.40		ppb v/v			06/14/17 01:14	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/14/17 01:14	1
1,1,1-Trichloroethane	**0.55**		0.30		ppb v/v			06/14/17 01:14	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/14/17 01:14	1
Trichloroethene	**0.77**		0.40		ppb v/v			06/14/17 01:14	1
1,4-Dioxane	ND		0.80		ppb v/v			06/14/17 01:14	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/14/17 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/14/17 01:14	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/14/17 01:14	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/14/17 01:14	1
Vinyl acetate	ND		0.80		ppb v/v			06/14/17 01:14	1
Vinyl chloride	**1.9**		0.40		ppb v/v			06/14/17 01:14	1
m,p-Xylene	ND		0.80		ppb v/v			06/14/17 01:14	1
o-Xylene	ND		0.40		ppb v/v			06/14/17 01:14	1
Naphthalene	ND		0.80		ppb v/v			06/14/17 01:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/14/17 01:14	1
Benzene	ND		1.3		ug/m3			06/14/17 01:14	1
Benzyl chloride	ND		4.1		ug/m3			06/14/17 01:14	1
Bromodichloromethane	ND		2.0		ug/m3			06/14/17 01:14	1
Bromoform	ND		4.1		ug/m3			06/14/17 01:14	1
Bromomethane	ND		3.1		ug/m3			06/14/17 01:14	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/14/17 01:14	1
Carbon disulfide	**10**		2.5		ug/m3			06/14/17 01:14	1
Carbon tetrachloride	ND		5.0		ug/m3			06/14/17 01:14	1
Chlorobenzene	ND		1.4		ug/m3			06/14/17 01:14	1
Dibromochloromethane	ND		3.4		ug/m3			06/14/17 01:14	1
Chloroethane	ND		2.1		ug/m3			06/14/17 01:14	1
Chloroform	ND		1.5		ug/m3			06/14/17 01:14	1
Chloromethane	ND		1.7		ug/m3			06/14/17 01:14	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/14/17 01:14	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/14/17 01:14	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/14/17 01:14	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/14/17 01:14	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/14/17 01:14	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/14/17 01:14	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/14/17 01:14	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/14/17 01:14	1

Client Sample ID: SVP-4-3.5-DUP
Lab Sample ID: 320-28795-26
Date Collected: 06/01/17 17:19
Matrix: Air
Date Received: 06/03/17 09:04
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			06/14/17 01:14	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/14/17 01:14	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/14/17 01:14	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/14/17 01:14	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/14/17 01:14	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/14/17 01:14	1
Ethylbenzene	ND		1.7		ug/m3			06/14/17 01:14	1
4-Ethyltoluene	ND		2.0		ug/m3			06/14/17 01:14	1
Hexachlorobutadiene	ND		21		ug/m3			06/14/17 01:14	1
2-Hexanone	ND		1.6		ug/m3			06/14/17 01:14	1
Methylene Chloride	ND		1.4		ug/m3			06/14/17 01:14	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/14/17 01:14	1
Styrene	ND		1.7		ug/m3			06/14/17 01:14	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/14/17 01:14	1
Tetrachloroethene	ND		2.7		ug/m3			06/14/17 01:14	1
Toluene	ND		1.5		ug/m3			06/14/17 01:14	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/14/17 01:14	1
1,1,1-Trichloroethane	**3.0**		1.6		ug/m3			06/14/17 01:14	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/14/17 01:14	1
Trichloroethene	**4.1**		2.1		ug/m3			06/14/17 01:14	1
1,4-Dioxane	ND		2.9		ug/m3			06/14/17 01:14	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/14/17 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/14/17 01:14	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/14/17 01:14	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/14/17 01:14	1
Vinyl acetate	ND		2.8		ug/m3			06/14/17 01:14	1
Vinyl chloride	**4.8**		1.0		ug/m3			06/14/17 01:14	1
m,p-Xylene	ND		3.5		ug/m3			06/14/17 01:14	1
o-Xylene	ND		1.7		ug/m3			06/14/17 01:14	1
Naphthalene	ND		4.2		ug/m3			06/14/17 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*06/14/17 01:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/14/17 01:14*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*06/14/17 01:14*	*1*

Surrogate Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

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

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
320-28795-1	SVE-2	124	113	119
320-28795-2	SVE-3	124	113	122
320-28795-3	SVE-4	124	127	120
320-28795-4	SVE-5	127	119	107
320-28795-5	SVE-6	121	108	118
320-28795-6	SVE-7	120	111	119
320-28795-7	SVE-8	115	110	116
320-28795-8	SVE-8-DUP	117	108	115
320-28795-9	SVE-13	117	109	115
320-28795-10	SVE-19	117	108	113
320-28795-13	SVE-11	114	108	113
320-28795-14	SVE-17	114	109	114
320-28795-16	SVE-15	110	107	114
320-28795-17	SVE-17-DUP	118	111	119
320-28795-18	SVE-1	120	109	118
320-28795-19	SVE-10	122	110	119
320-28795-20	SVE-9	121	115	115
320-28795-21	SVE-14	116	106	117
320-28795-22	SVP-1-3.5	117	104	117
320-28795-23	SVP-3-3.5	117	104	117
320-28795-24	SVP-4-3.5	116	106	119
320-28795-25	SVP-6-3.5	113	105	118
320-28795-26	SVP-4-3.5-DUP	119	110	119
LCS 320-168726/3	Lab Control Sample	122	106	112
LCS 320-168976/4	Lab Control Sample	120	107	115
LCSD 320-168726/21	Lab Control Sample Dup	121	110	115
LCSD 320-168976/34	Lab Control Sample Dup	120	108	113
MB 320-168726/6	Method Blank	119	112	118
MB 320-168976/6	Method Blank	117	111	118

Surrogate Legend

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

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

Lab Sample ID: MB 320-168726/6
Matrix: Air
Analysis Batch: 168726

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			06/12/17 15:58	1
Benzene	ND		0.40		ppb v/v			06/12/17 15:58	1
Benzyl chloride	ND		0.80		ppb v/v			06/12/17 15:58	1
Bromodichloromethane	ND		0.30		ppb v/v			06/12/17 15:58	1
Bromoform	ND		0.40		ppb v/v			06/12/17 15:58	1
Bromomethane	ND		0.80		ppb v/v			06/12/17 15:58	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/12/17 15:58	1
Carbon disulfide	ND		0.80		ppb v/v			06/12/17 15:58	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/12/17 15:58	1
Chlorobenzene	ND		0.30		ppb v/v			06/12/17 15:58	1
Dibromochloromethane	ND		0.40		ppb v/v			06/12/17 15:58	1
Chloroethane	ND		0.80		ppb v/v			06/12/17 15:58	1
Chloroform	ND		0.30		ppb v/v			06/12/17 15:58	1
Chloromethane	ND		0.80		ppb v/v			06/12/17 15:58	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/12/17 15:58	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/12/17 15:58	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/12/17 15:58	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/12/17 15:58	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/12/17 15:58	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/12/17 15:58	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 15:58	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/12/17 15:58	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 15:58	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/12/17 15:58	1
Ethylbenzene	ND		0.40		ppb v/v			06/12/17 15:58	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/12/17 15:58	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/12/17 15:58	1
2-Hexanone	ND		0.40		ppb v/v			06/12/17 15:58	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/17 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/12/17 15:58	1
Styrene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/12/17 15:58	1
Tetrachloroethene	ND		0.40		ppb v/v			06/12/17 15:58	1
Toluene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/12/17 15:58	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/12/17 15:58	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/12/17 15:58	1
Trichloroethene	ND		0.40		ppb v/v			06/12/17 15:58	1
1,4-Dioxane	ND		0.80		ppb v/v			06/12/17 15:58	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/12/17 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/12/17 15:58	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/12/17 15:58	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/12/17 15:58	1
Vinyl acetate	ND		0.80		ppb v/v			06/12/17 15:58	1

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

Lab Sample ID: MB 320-168726/6
Matrix: Air
Analysis Batch: 168726

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			06/12/17 15:58	1
m,p-Xylene	ND		0.80		ppb v/v			06/12/17 15:58	1
o-Xylene	ND		0.40		ppb v/v			06/12/17 15:58	1
Naphthalene	ND		0.80		ppb v/v			06/12/17 15:58	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/12/17 15:58	1
Benzene	ND		1.3		ug/m3			06/12/17 15:58	1
Benzyl chloride	ND		4.1		ug/m3			06/12/17 15:58	1
Bromodichloromethane	ND		2.0		ug/m3			06/12/17 15:58	1
Bromoform	ND		4.1		ug/m3			06/12/17 15:58	1
Bromomethane	ND		3.1		ug/m3			06/12/17 15:58	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/12/17 15:58	1
Carbon disulfide	ND		2.5		ug/m3			06/12/17 15:58	1
Carbon tetrachloride	ND		5.0		ug/m3			06/12/17 15:58	1
Chlorobenzene	ND		1.4		ug/m3			06/12/17 15:58	1
Dibromochloromethane	ND		3.4		ug/m3			06/12/17 15:58	1
Chloroethane	ND		2.1		ug/m3			06/12/17 15:58	1
Chloroform	ND		1.5		ug/m3			06/12/17 15:58	1
Chloromethane	ND		1.7		ug/m3			06/12/17 15:58	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/12/17 15:58	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 15:58	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 15:58	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/12/17 15:58	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/12/17 15:58	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/12/17 15:58	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/12/17 15:58	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/12/17 15:58	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 15:58	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/12/17 15:58	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/12/17 15:58	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 15:58	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/12/17 15:58	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/12/17 15:58	1
Ethylbenzene	ND		1.7		ug/m3			06/12/17 15:58	1
4-Ethyltoluene	ND		2.0		ug/m3			06/12/17 15:58	1
Hexachlorobutadiene	ND		21		ug/m3			06/12/17 15:58	1
2-Hexanone	ND		1.6		ug/m3			06/12/17 15:58	1
Methylene Chloride	ND		1.4		ug/m3			06/12/17 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/12/17 15:58	1
Styrene	ND		1.7		ug/m3			06/12/17 15:58	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/12/17 15:58	1
Tetrachloroethene	ND		2.7		ug/m3			06/12/17 15:58	1
Toluene	ND		1.5		ug/m3			06/12/17 15:58	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/12/17 15:58	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/12/17 15:58	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/12/17 15:58	1
Trichloroethene	ND		2.1		ug/m3			06/12/17 15:58	1

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

Lab Sample ID: MB 320-168726/6
Matrix: Air
Analysis Batch: 168726

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			06/12/17 15:58	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/12/17 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/12/17 15:58	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/12/17 15:58	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/12/17 15:58	1
Vinyl acetate	ND		2.8		ug/m3			06/12/17 15:58	1
Vinyl chloride	ND		1.0		ug/m3			06/12/17 15:58	1
m,p-Xylene	ND		3.5		ug/m3			06/12/17 15:58	1
o-Xylene	ND		1.7		ug/m3			06/12/17 15:58	1
Naphthalene	ND		4.2		ug/m3			06/12/17 15:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*06/12/17 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*06/12/17 15:58*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*06/12/17 15:58*	*1*

Lab Sample ID: LCS 320-168726/3
Matrix: Air
Analysis Batch: 168726

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	18.4		ppb v/v		92	71 - 131
Benzene	20.0	17.4		ppb v/v		87	68 - 128
Benzyl chloride	20.0	14.5		ppb v/v		72	58 - 120
Bromodichloromethane	20.0	19.1		ppb v/v		96	65 - 130
Bromoform	20.0	19.0		ppb v/v		95	64 - 144
Bromomethane	20.0	19.9		ppb v/v		99	70 - 131
2-Butanone (MEK)	20.0	16.1		ppb v/v		81	71 - 131
Carbon disulfide	20.0	17.1		ppb v/v		85	63 - 123
Carbon tetrachloride	20.0	21.5		ppb v/v		107	67 - 127
Chlorobenzene	20.0	16.3		ppb v/v		82	70 - 132
Dibromochloromethane	20.0	17.4		ppb v/v		87	68 - 128
Chloroethane	20.0	18.9		ppb v/v		94	70 - 131
Chloroform	20.0	18.6		ppb v/v		93	69 - 129
Chloromethane	20.0	19.8		ppb v/v		99	67 - 127
1,2-Dibromoethane (EDB)	20.0	17.1		ppb v/v		85	68 - 131
1,2-Dichlorobenzene	20.0	17.3		ppb v/v		86	73 - 143
1,3-Dichlorobenzene	20.0	17.5		ppb v/v		88	77 - 136
1,4-Dichlorobenzene	20.0	17.5		ppb v/v		88	73 - 143
Dichlorodifluoromethane	20.0	20.7		ppb v/v		103	69 - 129
1,1-Dichloroethane	20.0	18.0		ppb v/v		90	65 - 125
1,2-Dichloroethane	20.0	20.1		ppb v/v		100	71 - 131
1,1-Dichloroethene	20.0	17.0		ppb v/v		85	53 - 128
cis-1,2-Dichloroethene	20.0	18.3		ppb v/v		92	68 - 128
trans-1,2-Dichloroethene	20.0	18.1		ppb v/v		90	70 - 130
1,2-Dichloropropane	20.0	19.6		ppb v/v		98	74 - 128
cis-1,3-Dichloropropene	20.0	20.0		ppb v/v		100	78 - 132
trans-1,3-Dichloropropene	20.0	15.1		ppb v/v		76	56 - 136

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

Lab Sample ID: LCS 320-168726/3
Matrix: Air
Analysis Batch: 168726

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	19.6		ppb v/v		98	64 - 124
Ethylbenzene	20.0	16.2		ppb v/v		81	76 - 136
4-Ethyltoluene	20.0	15.7		ppb v/v		79	62 - 136
Hexachlorobutadiene	20.0	17.8		ppb v/v		89	42 - 150
2-Hexanone	20.0	15.3		ppb v/v		76	70 - 128
Methylene Chloride	20.0	17.5		ppb v/v		88	65 - 125
4-Methyl-2-pentanone (MIBK)	20.0	18.4		ppb v/v		92	73 - 133
Styrene	20.0	17.1		ppb v/v		85	76 - 144
1,1,2,2-Tetrachloroethane	20.0	16.4		ppb v/v		82	75 - 135
Tetrachloroethene	20.0	17.2		ppb v/v		86	56 - 138
Toluene	20.0	18.5		ppb v/v		93	71 - 132
1,2,4-Trichlorobenzene	20.0	17.5		ppb v/v		88	59 - 150
1,1,1-Trichloroethane	20.0	20.1		ppb v/v		100	65 - 124
1,1,2-Trichloroethane	20.0	16.5		ppb v/v		83	71 - 131
Trichloroethene	20.0	19.6		ppb v/v		98	64 - 127
1,4-Dioxane	20.0	19.8		ppb v/v		99	55 - 141
Trichlorofluoromethane	20.0	20.5		ppb v/v		103	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.4		ppb v/v		87	50 - 132
1,2,4-Trimethylbenzene	20.0	17.8		ppb v/v		89	61 - 145
1,3,5-Trimethylbenzene	20.0	16.5		ppb v/v		82	65 - 136
Vinyl acetate	20.0	21.6		ppb v/v		108	77 - 134
Vinyl chloride	20.0	18.4		ppb v/v		92	69 - 129
m,p-Xylene	40.0	32.9		ppb v/v		82	75 - 138
o-Xylene	20.0	16.5		ppb v/v		82	77 - 132
Naphthalene	20.0	14.5		ppb v/v		73	58 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	48	43.6		ug/m3		92	71 - 131
Benzene	64	55.7		ug/m3		87	68 - 128
Benzyl chloride	100	75.1		ug/m3		72	58 - 120
Bromodichloromethane	130	128		ug/m3		96	65 - 130
Bromoform	210	196		ug/m3		95	64 - 144
Bromomethane	78	77.2		ug/m3		99	70 - 131
2-Butanone (MEK)	59	47.5		ug/m3		81	71 - 131
Carbon disulfide	62	53.2		ug/m3		85	63 - 123
Carbon tetrachloride	130	135		ug/m3		107	67 - 127
Chlorobenzene	92	75.1		ug/m3		82	70 - 132
Dibromochloromethane	170	148		ug/m3		87	68 - 128
Chloroethane	53	49.8		ug/m3		94	70 - 131
Chloroform	98	91.1		ug/m3		93	69 - 129
Chloromethane	41	40.9		ug/m3		99	67 - 127
1,2-Dibromoethane (EDB)	150	131		ug/m3		85	68 - 131
1,2-Dichlorobenzene	120	104		ug/m3		86	73 - 143
1,3-Dichlorobenzene	120	105		ug/m3		88	77 - 136
1,4-Dichlorobenzene	120	105		ug/m3		88	73 - 143
Dichlorodifluoromethane	99	102		ug/m3		103	69 - 129
1,1-Dichloroethane	81	72.8		ug/m3		90	65 - 125

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

Lab Sample ID: LCS 320-168726/3
Matrix: Air
Analysis Batch: 168726

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	81.2		ug/m3		100	71 - 131
1,1-Dichloroethene	79	67.4		ug/m3		85	53 - 128
cis-1,2-Dichloroethene	79	72.8		ug/m3		92	68 - 128
trans-1,2-Dichloroethene	79	71.7		ug/m3		90	70 - 130
1,2-Dichloropropane	92	90.7		ug/m3		98	74 - 128
cis-1,3-Dichloropropene	91	90.8		ug/m3		100	78 - 132
trans-1,3-Dichloropropene	91	68.7		ug/m3		76	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	137		ug/m3		98	64 - 124
Ethylbenzene	87	70.5		ug/m3		81	76 - 136
4-Ethyltoluene	98	77.4		ug/m3		79	62 - 136
Hexachlorobutadiene	210	190		ug/m3		89	42 - 150
2-Hexanone	82	62.6		ug/m3		76	70 - 128
Methylene Chloride	69	60.9		ug/m3		88	65 - 125
4-Methyl-2-pentanone (MIBK)	82	75.2		ug/m3		92	73 - 133
Styrene	85	72.8		ug/m3		85	76 - 144
1,1,2,2-Tetrachloroethane	140	112		ug/m3		82	75 - 135
Tetrachloroethene	140	117		ug/m3		86	56 - 138
Toluene	75	69.8		ug/m3		93	71 - 132
1,2,4-Trichlorobenzene	150	130		ug/m3		88	59 - 150
1,1,1-Trichloroethane	110	109		ug/m3		100	65 - 124
1,1,2-Trichloroethane	110	90.2		ug/m3		83	71 - 131
Trichloroethene	110	105		ug/m3		98	64 - 127
1,4-Dioxane	72	71.4		ug/m3		99	55 - 141
Trichlorofluoromethane	110	115		ug/m3		103	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	150	134		ug/m3		87	50 - 132
1,2,4-Trimethylbenzene	98	87.5		ug/m3		89	61 - 145
1,3,5-Trimethylbenzene	98	81.0		ug/m3		82	65 - 136
Vinyl acetate	70	76.1		ug/m3		108	77 - 134
Vinyl chloride	51	47.1		ug/m3		92	69 - 129
m,p-Xylene	170	143		ug/m3		82	75 - 138
o-Xylene	87	71.6		ug/m3		82	77 - 132
Naphthalene	100	76.3		ug/m3		73	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 320-168726/21
Matrix: Air
Analysis Batch: 168726

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	18.1		ppb v/v		91	71 - 131	1	25
Benzene	20.0	17.5		ppb v/v		87	68 - 128	0	25
Benzyl chloride	20.0	13.7		ppb v/v		69	58 - 120	6	25

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

Lab Sample ID: LCSD 320-168726/21
Matrix: Air
Analysis Batch: 168726

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
Bromodichloromethane			20.0	19.1		ppb v/v		95	65 - 130	0	25
Bromoform			20.0	18.0		ppb v/v		90	64 - 144	5	25
Bromomethane			20.0	19.8		ppb v/v		99	70 - 131	1	25
2-Butanone (MEK)			20.0	15.7		ppb v/v		79	71 - 131	2	25
Carbon disulfide			20.0	17.0		ppb v/v		85	63 - 123	1	25
Carbon tetrachloride			20.0	21.4		ppb v/v		107	67 - 127	0	25
Chlorobenzene			20.0	15.7		ppb v/v		79	70 - 132	4	25
Dibromochloromethane			20.0	16.6		ppb v/v		83	68 - 128	4	25
Chloroethane			20.0	19.2		ppb v/v		96	70 - 131	2	25
Chloroform			20.0	18.4		ppb v/v		92	69 - 129	1	25
Chloromethane			20.0	19.8		ppb v/v		99	67 - 127	0	25
1,2-Dibromoethane (EDB)			20.0	16.2		ppb v/v		81	68 - 131	5	25
1,2-Dichlorobenzene			20.0	16.4		ppb v/v		82	73 - 143	5	25
1,3-Dichlorobenzene			20.0	16.7		ppb v/v		84	77 - 136	5	25
1,4-Dichlorobenzene			20.0	16.7		ppb v/v		83	73 - 143	5	25
Dichlorodifluoromethane			20.0	20.4		ppb v/v		102	69 - 129	1	25
1,1-Dichloroethane			20.0	18.1		ppb v/v		90	65 - 125	0	25
1,2-Dichloroethane			20.0	19.9		ppb v/v		100	71 - 131	1	25
1,1-Dichloroethene			20.0	17.0		ppb v/v		85	53 - 128	0	25
cis-1,2-Dichloroethene			20.0	18.2		ppb v/v		91	68 - 128	1	25
trans-1,2-Dichloroethene			20.0	18.0		ppb v/v		90	70 - 130	1	25
1,2-Dichloropropane			20.0	19.6		ppb v/v		98	74 - 128	0	25
cis-1,3-Dichloropropene			20.0	19.8		ppb v/v		99	78 - 132	1	25
trans-1,3-Dichloropropene			20.0	14.5		ppb v/v		72	56 - 136	4	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane			20.0	19.7		ppb v/v		99	64 - 124	0	25
Ethylbenzene			20.0	15.6		ppb v/v		78	76 - 136	4	25
4-Ethyltoluene			20.0	14.6		ppb v/v		73	62 - 136	7	25
Hexachlorobutadiene			20.0	16.9		ppb v/v		84	42 - 150	6	25
2-Hexanone			20.0	14.6		ppb v/v		73	70 - 128	4	25
Methylene Chloride			20.0	17.4		ppb v/v		87	65 - 125	1	25
4-Methyl-2-pentanone (MIBK)			20.0	18.1		ppb v/v		90	73 - 133	2	25
Styrene			20.0	16.4		ppb v/v		82	76 - 144	4	25
1,1,2,2-Tetrachloroethane			20.0	15.7		ppb v/v		79	75 - 135	4	25
Tetrachloroethene			20.0	16.5		ppb v/v		83	56 - 138	4	25
Toluene			20.0	18.4		ppb v/v		92	71 - 132	1	25
1,2,4-Trichlorobenzene			20.0	16.2		ppb v/v		81	59 - 150	8	25
1,1,1-Trichloroethane			20.0	19.8		ppb v/v		99	65 - 124	1	25
1,1,2-Trichloroethane			20.0	16.0		ppb v/v		80	71 - 131	3	25
Trichloroethene			20.0	19.4		ppb v/v		97	64 - 127	1	25
1,4-Dioxane			20.0	19.7		ppb v/v		99	55 - 141	1	25
Trichlorofluoromethane			20.0	20.4		ppb v/v		102	68 - 128	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.2		ppb v/v		86	50 - 132	1	25
1,2,4-Trimethylbenzene			20.0	14.9		ppb v/v		75	61 - 145	18	25
1,3,5-Trimethylbenzene			20.0	15.6		ppb v/v		78	65 - 136	6	25
Vinyl acetate			20.0	21.1		ppb v/v		106	77 - 134	2	25
Vinyl chloride			20.0	19.0		ppb v/v		95	69 - 129	3	25
m,p-Xylene			40.0	31.7		ppb v/v		79	75 - 138	4	25

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

Lab Sample ID: LCSD 320-168726/21
Matrix: Air
Analysis Batch: 168726

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
o-Xylene	20.0	15.8		ppb v/v		79	77 - 132	4	25
Naphthalene	20.0	13.5		ppb v/v		68	58 - 150	7	25

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	48	43.1		ug/m3		91	71 - 131	1	25
Benzene	64	55.8		ug/m3		87	68 - 128	0	25
Benzyl chloride	100	71.0		ug/m3		69	58 - 120	6	25
Bromodichloromethane	130	128		ug/m3		95	65 - 130	0	25
Bromoform	210	186		ug/m3		90	64 - 144	5	25
Bromomethane	78	76.8		ug/m3		99	70 - 131	1	25
2-Butanone (MEK)	59	46.4		ug/m3		79	71 - 131	2	25
Carbon disulfide	62	52.8		ug/m3		85	63 - 123	1	25
Carbon tetrachloride	130	135		ug/m3		107	67 - 127	0	25
Chlorobenzene	92	72.5		ug/m3		79	70 - 132	4	25
Dibromochloromethane	170	142		ug/m3		83	68 - 128	4	25
Chloroethane	53	50.6		ug/m3		96	70 - 131	2	25
Chloroform	98	90.0		ug/m3		92	69 - 129	1	25
Chloromethane	41	40.9		ug/m3		99	67 - 127	0	25
1,2-Dibromoethane (EDB)	150	125		ug/m3		81	68 - 131	5	25
1,2-Dichlorobenzene	120	98.6		ug/m3		82	73 - 143	5	25
1,3-Dichlorobenzene	120	100		ug/m3		84	77 - 136	5	25
1,4-Dichlorobenzene	120	100		ug/m3		83	73 - 143	5	25
Dichlorodifluoromethane	99	101		ug/m3		102	69 - 129	1	25
1,1-Dichloroethane	81	73.1		ug/m3		90	65 - 125	0	25
1,2-Dichloroethane	81	80.7		ug/m3		100	71 - 131	1	25
1,1-Dichloroethene	79	67.6		ug/m3		85	53 - 128	0	25
cis-1,2-Dichloroethene	79	72.1		ug/m3		91	68 - 128	1	25
trans-1,2-Dichloroethene	79	71.3		ug/m3		90	70 - 130	1	25
1,2-Dichloropropane	92	90.8		ug/m3		98	74 - 128	0	25
cis-1,3-Dichloropropene	91	89.9		ug/m3		99	78 - 132	1	25
trans-1,3-Dichloropropene	91	65.7		ug/m3		72	56 - 136	4	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	138		ug/m3		99	64 - 124	0	25
Ethylbenzene	87	67.7		ug/m3		78	76 - 136	4	25
4-Ethyltoluene	98	71.9		ug/m3		73	62 - 136	7	25
Hexachlorobutadiene	210	180		ug/m3		84	42 - 150	6	25
2-Hexanone	82	60.0		ug/m3		73	70 - 128	4	25
Methylene Chloride	69	60.5		ug/m3		87	65 - 125	1	25
4-Methyl-2-pentanone (MIBK)	82	74.0		ug/m3		90	73 - 133	2	25
Styrene	85	70.0		ug/m3		82	76 - 144	4	25
1,1,2,2-Tetrachloroethane	140	108		ug/m3		79	75 - 135	4	25
Tetrachloroethene	140	112		ug/m3		83	56 - 138	4	25
Toluene	75	69.4		ug/m3		92	71 - 132	1	25
1,2,4-Trichlorobenzene	150	120		ug/m3		81	59 - 150	8	25
1,1,1-Trichloroethane	110	108		ug/m3		99	65 - 124	1	25
1,1,2-Trichloroethane	110	87.4		ug/m3		80	71 - 131	3	25
Trichloroethene	110	104		ug/m3		97	64 - 127	1	25
1,4-Dioxane	72	71.0		ug/m3		99	55 - 141	1	25

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

Lab Sample ID: LCSD 320-168726/21
Matrix: Air
Analysis Batch: 168726

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
Trichlorofluoromethane			110	115		ug/m3		102	68 - 128	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane			150	132		ug/m3		86	50 - 132	1	25
1,2,4-Trimethylbenzene			98	73.4		ug/m3		75	61 - 145	18	25
1,3,5-Trimethylbenzene			98	76.6		ug/m3		78	65 - 136	6	25
Vinyl acetate			70	74.4		ug/m3		106	77 - 134	2	25
Vinyl chloride			51	48.6		ug/m3		95	69 - 129	3	25
m,p-Xylene			170	138		ug/m3		79	75 - 138	4	25
o-Xylene			87	68.5		ug/m3		79	77 - 132	4	25
Naphthalene			100	70.9		ug/m3		68	58 - 150	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*115*		*70 - 130*

Lab Sample ID: MB 320-168976/6
Matrix: Air
Analysis Batch: 168976

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			06/13/17 15:53	1
Benzene	ND		0.40		ppb v/v			06/13/17 15:53	1
Benzyl chloride	ND		0.80		ppb v/v			06/13/17 15:53	1
Bromodichloromethane	ND		0.30		ppb v/v			06/13/17 15:53	1
Bromoform	ND		0.40		ppb v/v			06/13/17 15:53	1
Bromomethane	ND		0.80		ppb v/v			06/13/17 15:53	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/13/17 15:53	1
Carbon disulfide	ND		0.80		ppb v/v			06/13/17 15:53	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/13/17 15:53	1
Chlorobenzene	ND		0.30		ppb v/v			06/13/17 15:53	1
Dibromochloromethane	ND		0.40		ppb v/v			06/13/17 15:53	1
Chloroethane	ND		0.80		ppb v/v			06/13/17 15:53	1
Chloroform	ND		0.30		ppb v/v			06/13/17 15:53	1
Chloromethane	ND		0.80		ppb v/v			06/13/17 15:53	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/13/17 15:53	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/13/17 15:53	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/13/17 15:53	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/13/17 15:53	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/13/17 15:53	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/13/17 15:53	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 15:53	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/13/17 15:53	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 15:53	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/13/17 15:53	1

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

Lab Sample ID: MB 320-168976/6
Matrix: Air
Analysis Batch: 168976

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			06/13/17 15:53	1
Ethylbenzene	ND		0.40		ppb v/v			06/13/17 15:53	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/13/17 15:53	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/13/17 15:53	1
2-Hexanone	ND		0.40		ppb v/v			06/13/17 15:53	1
Methylene Chloride	ND		0.40		ppb v/v			06/13/17 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/13/17 15:53	1
Styrene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/13/17 15:53	1
Tetrachloroethene	ND		0.40		ppb v/v			06/13/17 15:53	1
Toluene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/13/17 15:53	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/13/17 15:53	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/13/17 15:53	1
Trichloroethene	ND		0.40		ppb v/v			06/13/17 15:53	1
1,4-Dioxane	ND		0.80		ppb v/v			06/13/17 15:53	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/13/17 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/13/17 15:53	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/13/17 15:53	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/13/17 15:53	1
Vinyl acetate	ND		0.80		ppb v/v			06/13/17 15:53	1
Vinyl chloride	ND		0.40		ppb v/v			06/13/17 15:53	1
m,p-Xylene	ND		0.80		ppb v/v			06/13/17 15:53	1
o-Xylene	ND		0.40		ppb v/v			06/13/17 15:53	1
Naphthalene	ND		0.80		ppb v/v			06/13/17 15:53	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/13/17 15:53	1
Benzene	ND		1.3		ug/m3			06/13/17 15:53	1
Benzyl chloride	ND		4.1		ug/m3			06/13/17 15:53	1
Bromodichloromethane	ND		2.0		ug/m3			06/13/17 15:53	1
Bromoform	ND		4.1		ug/m3			06/13/17 15:53	1
Bromomethane	ND		3.1		ug/m3			06/13/17 15:53	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/13/17 15:53	1
Carbon disulfide	ND		2.5		ug/m3			06/13/17 15:53	1
Carbon tetrachloride	ND		5.0		ug/m3			06/13/17 15:53	1
Chlorobenzene	ND		1.4		ug/m3			06/13/17 15:53	1
Dibromochloromethane	ND		3.4		ug/m3			06/13/17 15:53	1
Chloroethane	ND		2.1		ug/m3			06/13/17 15:53	1
Chloroform	ND		1.5		ug/m3			06/13/17 15:53	1
Chloromethane	ND		1.7		ug/m3			06/13/17 15:53	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/13/17 15:53	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 15:53	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 15:53	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/13/17 15:53	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/13/17 15:53	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/13/17 15:53	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/13/17 15:53	1

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

Lab Sample ID: MB 320-168976/6
Matrix: Air
Analysis Batch: 168976

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			06/13/17 15:53	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 15:53	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/13/17 15:53	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/13/17 15:53	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 15:53	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/13/17 15:53	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/13/17 15:53	1
Ethylbenzene	ND		1.7		ug/m3			06/13/17 15:53	1
4-Ethyltoluene	ND		2.0		ug/m3			06/13/17 15:53	1
Hexachlorobutadiene	ND		21		ug/m3			06/13/17 15:53	1
2-Hexanone	ND		1.6		ug/m3			06/13/17 15:53	1
Methylene Chloride	ND		1.4		ug/m3			06/13/17 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/13/17 15:53	1
Styrene	ND		1.7		ug/m3			06/13/17 15:53	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/13/17 15:53	1
Tetrachloroethene	ND		2.7		ug/m3			06/13/17 15:53	1
Toluene	ND		1.5		ug/m3			06/13/17 15:53	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/13/17 15:53	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/13/17 15:53	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/13/17 15:53	1
Trichloroethene	ND		2.1		ug/m3			06/13/17 15:53	1
1,4-Dioxane	ND		2.9		ug/m3			06/13/17 15:53	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/13/17 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/13/17 15:53	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/13/17 15:53	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/13/17 15:53	1
Vinyl acetate	ND		2.8		ug/m3			06/13/17 15:53	1
Vinyl chloride	ND		1.0		ug/m3			06/13/17 15:53	1
m,p-Xylene	ND		3.5		ug/m3			06/13/17 15:53	1
o-Xylene	ND		1.7		ug/m3			06/13/17 15:53	1
Naphthalene	ND		4.2		ug/m3			06/13/17 15:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*06/13/17 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/13/17 15:53*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*06/13/17 15:53*	*1*

Lab Sample ID: LCS 320-168976/4
Matrix: Air
Analysis Batch: 168976

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	17.8		ppb v/v		89	71 - 131
Benzene	20.0	17.9		ppb v/v		89	68 - 128
Benzyl chloride	20.0	13.8		ppb v/v		69	58 - 120
Bromodichloromethane	20.0	19.1		ppb v/v		95	65 - 130
Bromoform	20.0	18.4		ppb v/v		92	64 - 144
Bromomethane	20.0	19.9		ppb v/v		100	70 - 131

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

Lab Sample ID: LCS 320-168976/4
Matrix: Air
Analysis Batch: 168976

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	16.3		ppb v/v		81	71 - 131
Carbon disulfide	20.0	17.3		ppb v/v		87	63 - 123
Carbon tetrachloride	20.0	21.0		ppb v/v		105	67 - 127
Chlorobenzene	20.0	16.1		ppb v/v		81	70 - 132
Dibromochloromethane	20.0	16.8		ppb v/v		84	68 - 128
Chloroethane	20.0	19.0		ppb v/v		95	70 - 131
Chloroform	20.0	18.7		ppb v/v		94	69 - 129
Chloromethane	20.0	19.8		ppb v/v		99	67 - 127
1,2-Dibromoethane (EDB)	20.0	16.7		ppb v/v		83	68 - 131
1,2-Dichlorobenzene	20.0	16.4		ppb v/v		82	73 - 143
1,3-Dichlorobenzene	20.0	16.9		ppb v/v		85	77 - 136
1,4-Dichlorobenzene	20.0	17.0		ppb v/v		85	73 - 143
Dichlorodifluoromethane	20.0	19.9		ppb v/v		99	69 - 129
1,1-Dichloroethane	20.0	18.2		ppb v/v		91	65 - 125
1,2-Dichloroethane	20.0	19.4		ppb v/v		97	71 - 131
1,1-Dichloroethene	20.0	16.9		ppb v/v		85	53 - 128
cis-1,2-Dichloroethene	20.0	18.8		ppb v/v		94	68 - 128
trans-1,2-Dichloroethene	20.0	18.3		ppb v/v		91	70 - 130
1,2-Dichloropropane	20.0	19.4		ppb v/v		97	74 - 128
cis-1,3-Dichloropropene	20.0	20.1		ppb v/v		100	78 - 132
trans-1,3-Dichloropropene	20.0	15.0		ppb v/v		75	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.0	19.7		ppb v/v		98	64 - 124
Ethylbenzene	20.0	15.9		ppb v/v		80	76 - 136
4-Ethyltoluene	20.0	15.2		ppb v/v		76	62 - 136
Hexachlorobutadiene	20.0	16.8		ppb v/v		84	42 - 150
2-Hexanone	20.0	15.0		ppb v/v		75	70 - 128
Methylene Chloride	20.0	17.2		ppb v/v		86	65 - 125
4-Methyl-2-pentanone (MIBK)	20.0	17.7		ppb v/v		88	73 - 133
Styrene	20.0	16.7		ppb v/v		84	76 - 144
1,1,2,2-Tetrachloroethane	20.0	16.1		ppb v/v		80	75 - 135
Tetrachloroethene	20.0	16.8		ppb v/v		84	56 - 138
Toluene	20.0	18.8		ppb v/v		94	71 - 132
1,2,4-Trichlorobenzene	20.0	16.3		ppb v/v		81	59 - 150
1,1,1-Trichloroethane	20.0	19.9		ppb v/v		100	65 - 124
1,1,2-Trichloroethane	20.0	16.4		ppb v/v		82	71 - 131
Trichloroethene	20.0	19.7		ppb v/v		99	64 - 127
1,4-Dioxane	20.0	20.1		ppb v/v		100	55 - 141
Trichlorofluoromethane	20.0	20.3		ppb v/v		101	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.4		ppb v/v		87	50 - 132
1,2,4-Trimethylbenzene	20.0	17.3		ppb v/v		87	61 - 145
1,3,5-Trimethylbenzene	20.0	16.0		ppb v/v		80	65 - 136
Vinyl acetate	20.0	21.0		ppb v/v		105	77 - 134
Vinyl chloride	20.0	18.3		ppb v/v		92	69 - 129
m,p-Xylene	40.0	32.3		ppb v/v		81	75 - 138
o-Xylene	20.0	16.1		ppb v/v		81	77 - 132
Naphthalene	20.0	13.4		ppb v/v		67	58 - 150

QC Sample Results

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	48	42.3		ug/m3		89	71 - 131
Benzene	64	57.1		ug/m3		89	68 - 128
Benzyl chloride	100	71.6		ug/m3		69	58 - 120
Bromodichloromethane	130	128		ug/m3		95	65 - 130
Bromoform	210	190		ug/m3		92	64 - 144
Bromomethane	78	77.3		ug/m3		100	70 - 131
2-Butanone (MEK)	59	48.0		ug/m3		81	71 - 131
Carbon disulfide	62	54.0		ug/m3		87	63 - 123
Carbon tetrachloride	130	132		ug/m3		105	67 - 127
Chlorobenzene	92	74.2		ug/m3		81	70 - 132
Dibromochloromethane	170	143		ug/m3		84	68 - 128
Chloroethane	53	50.2		ug/m3		95	70 - 131
Chloroform	98	91.5		ug/m3		94	69 - 129
Chloromethane	41	40.9		ug/m3		99	67 - 127
1,2-Dibromoethane (EDB)	150	128		ug/m3		83	68 - 131
1,2-Dichlorobenzene	120	98.8		ug/m3		82	73 - 143
1,3-Dichlorobenzene	120	102		ug/m3		85	77 - 136
1,4-Dichlorobenzene	120	102		ug/m3		85	73 - 143
Dichlorodifluoromethane	99	98.2		ug/m3		99	69 - 129
1,1-Dichloroethane	81	73.8		ug/m3		91	65 - 125
1,2-Dichloroethane	81	78.5		ug/m3		97	71 - 131
1,1-Dichloroethene	79	67.1		ug/m3		85	53 - 128
cis-1,2-Dichloroethene	79	74.4		ug/m3		94	68 - 128
trans-1,2-Dichloroethene	79	72.5		ug/m3		91	70 - 130
1,2-Dichloropropane	92	89.6		ug/m3		97	74 - 128
cis-1,3-Dichloropropene	91	91.2		ug/m3		100	78 - 132
trans-1,3-Dichloropropene	91	67.9		ug/m3		75	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	137		ug/m3		98	64 - 124
Ethylbenzene	87	69.2		ug/m3		80	76 - 136
4-Ethyltoluene	98	74.7		ug/m3		76	62 - 136
Hexachlorobutadiene	210	179		ug/m3		84	42 - 150
2-Hexanone	82	61.4		ug/m3		75	70 - 128
Methylene Chloride	69	59.8		ug/m3		86	65 - 125
4-Methyl-2-pentanone (MIBK)	82	72.4		ug/m3		88	73 - 133
Styrene	85	71.3		ug/m3		84	76 - 144
1,1,2,2-Tetrachloroethane	140	110		ug/m3		80	75 - 135
Tetrachloroethene	140	114		ug/m3		84	56 - 138
Toluene	75	70.7		ug/m3		94	71 - 132
1,2,4-Trichlorobenzene	150	121		ug/m3		81	59 - 150
1,1,1-Trichloroethane	110	109		ug/m3		100	65 - 124
1,1,2-Trichloroethane	110	89.4		ug/m3		82	71 - 131
Trichloroethene	110	106		ug/m3		99	64 - 127
1,4-Dioxane	72	72.3		ug/m3		100	55 - 141
Trichlorofluoromethane	110	114		ug/m3		101	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	150	134		ug/m3		87	50 - 132
1,2,4-Trimethylbenzene	98	85.2		ug/m3		87	61 - 145
1,3,5-Trimethylbenzene	98	78.9		ug/m3		80	65 - 136
Vinyl acetate	70	74.0		ug/m3		105	77 - 134
Vinyl chloride	51	46.8		ug/m3		92	69 - 129
m,p-Xylene	170	140		ug/m3		81	75 - 138
o-Xylene	87	70.1		ug/m3		81	77 - 132
Naphthalene	100	70.2		ug/m3		67	58 - 150

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

Lab Sample ID: LCS 320-168976/4
Matrix: Air
Analysis Batch: 168976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 320-168976/34
Matrix: Air
Analysis Batch: 168976

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	18.2		ppb v/v		91	71 - 131	2	25
Benzene			20.0	17.8		ppb v/v		89	68 - 128	0	25
Benzyl chloride			20.0	13.7		ppb v/v		68	58 - 120	1	25
Bromodichloromethane			20.0	19.1		ppb v/v		96	65 - 130	0	25
Bromoform			20.0	18.1		ppb v/v		91	64 - 144	1	25
Bromomethane			20.0	20.3		ppb v/v		102	70 - 131	2	25
2-Butanone (MEK)			20.0	16.4		ppb v/v		82	71 - 131	1	25
Carbon disulfide			20.0	17.3		ppb v/v		87	63 - 123	0	25
Carbon tetrachloride			20.0	21.3		ppb v/v		106	67 - 127	1	25
Chlorobenzene			20.0	16.1		ppb v/v		81	70 - 132	0	25
Dibromochloromethane			20.0	16.8		ppb v/v		84	68 - 128	0	25
Chloroethane			20.0	19.4		ppb v/v		97	70 - 131	2	25
Chloroform			20.0	18.8		ppb v/v		94	69 - 129	0	25
Chloromethane			20.0	19.2		ppb v/v		96	67 - 127	3	25
1,2-Dibromoethane (EDB)			20.0	16.6		ppb v/v		83	68 - 131	0	25
1,2-Dichlorobenzene			20.0	16.5		ppb v/v		82	73 - 143	0	25
1,3-Dichlorobenzene			20.0	16.7		ppb v/v		84	77 - 136	1	25
1,4-Dichlorobenzene			20.0	16.6		ppb v/v		83	73 - 143	2	25
Dichlorodifluoromethane			20.0	20.7		ppb v/v		104	69 - 129	4	25
1,1-Dichloroethane			20.0	18.3		ppb v/v		92	65 - 125	1	25
1,2-Dichloroethane			20.0	19.6		ppb v/v		98	71 - 131	1	25
1,1-Dichloroethene			20.0	17.2		ppb v/v		86	53 - 128	1	25
cis-1,2-Dichloroethene			20.0	18.6		ppb v/v		93	68 - 128	1	25
trans-1,2-Dichloroethene			20.0	18.3		ppb v/v		91	70 - 130	0	25
1,2-Dichloropropane			20.0	19.6		ppb v/v		98	74 - 128	1	25
cis-1,3-Dichloropropene			20.0	20.0		ppb v/v		100	78 - 132	0	25
trans-1,3-Dichloropropene			20.0	14.8		ppb v/v		74	56 - 136	1	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane			20.0	19.6		ppb v/v		98	64 - 124	0	25
Ethylbenzene			20.0	15.8		ppb v/v		79	76 - 136	1	25
4-Ethyltoluene			20.0	15.1		ppb v/v		76	62 - 136	1	25
Hexachlorobutadiene			20.0	16.7		ppb v/v		84	42 - 150	1	25
2-Hexanone			20.0	14.8		ppb v/v		74	70 - 128	1	25
Methylene Chloride			20.0	17.5		ppb v/v		88	65 - 125	2	25
4-Methyl-2-pentanone (MIBK)			20.0	17.7		ppb v/v		88	73 - 133	0	25
Styrene			20.0	16.6		ppb v/v		83	76 - 144	1	25
1,1,2,2-Tetrachloroethane			20.0	15.9		ppb v/v		80	75 - 135	1	25
Tetrachloroethene			20.0	17.0		ppb v/v		85	56 - 138	1	25
Toluene			20.0	18.6		ppb v/v		93	71 - 132	1	25

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

Lab Sample ID: LCSD 320-168976/34
Matrix: Air
Analysis Batch: 168976

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
1,2,4-Trichlorobenzene			20.0	16.0		ppb v/v		80	59 - 150	2	25
1,1,1-Trichloroethane			20.0	20.2		ppb v/v		101	65 - 124	1	25
1,1,2-Trichloroethane			20.0	16.2		ppb v/v		81	71 - 131	1	25
Trichloroethene			20.0	19.9		ppb v/v		99	64 - 127	1	25
1,4-Dioxane			20.0	19.9		ppb v/v		99	55 - 141	1	25
Trichlorofluoromethane			20.0	20.5		ppb v/v		103	68 - 128	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.7		ppb v/v		89	50 - 132	2	25
1,2,4-Trimethylbenzene			20.0	15.2		ppb v/v		76	61 - 145	13	25
1,3,5-Trimethylbenzene			20.0	16.1		ppb v/v		80	65 - 136	0	25
Vinyl acetate			20.0	21.1		ppb v/v		105	77 - 134	0	25
Vinyl chloride			20.0	18.5		ppb v/v		92	69 - 129	1	25
m,p-Xylene			40.0	32.2		ppb v/v		80	75 - 138	1	25
o-Xylene			20.0	16.0		ppb v/v		80	77 - 132	1	25
Naphthalene			20.0	13.1		ppb v/v		66	58 - 150	2	25

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			48	43.2		ug/m3		91	71 - 131	2	25
Benzene			64	56.9		ug/m3		89	68 - 128	0	25
Benzyl chloride			100	70.7		ug/m3		68	58 - 120	1	25
Bromodichloromethane			130	128		ug/m3		96	65 - 130	0	25
Bromoform			210	187		ug/m3		91	64 - 144	1	25
Bromomethane			78	79.0		ug/m3		102	70 - 131	2	25
2-Butanone (MEK)			59	48.5		ug/m3		82	71 - 131	1	25
Carbon disulfide			62	53.9		ug/m3		87	63 - 123	0	25
Carbon tetrachloride			130	134		ug/m3		106	67 - 127	1	25
Chlorobenzene			92	74.2		ug/m3		81	70 - 132	0	25
Dibromochloromethane			170	143		ug/m3		84	68 - 128	0	25
Chloroethane			53	51.1		ug/m3		97	70 - 131	2	25
Chloroform			98	91.9		ug/m3		94	69 - 129	0	25
Chloromethane			41	39.7		ug/m3		96	67 - 127	3	25
1,2-Dibromoethane (EDB)			150	128		ug/m3		83	68 - 131	0	25
1,2-Dichlorobenzene			120	98.9		ug/m3		82	73 - 143	0	25
1,3-Dichlorobenzene			120	101		ug/m3		84	77 - 136	1	25
1,4-Dichlorobenzene			120	99.9		ug/m3		83	73 - 143	2	25
Dichlorodifluoromethane			99	103		ug/m3		104	69 - 129	4	25
1,1-Dichloroethane			81	74.1		ug/m3		92	65 - 125	1	25
1,2-Dichloroethane			81	79.4		ug/m3		98	71 - 131	1	25
1,1-Dichloroethene			79	68.1		ug/m3		86	53 - 128	1	25
cis-1,2-Dichloroethene			79	73.7		ug/m3		93	68 - 128	1	25
trans-1,2-Dichloroethene			79	72.5		ug/m3		91	70 - 130	0	25
1,2-Dichloropropane			92	90.5		ug/m3		98	74 - 128	1	25
cis-1,3-Dichloropropene			91	90.9		ug/m3		100	78 - 132	0	25
trans-1,3-Dichloropropene			91	67.1		ug/m3		74	56 - 136	1	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane			140	137		ug/m3		98	64 - 124	0	25
Ethylbenzene			87	68.4		ug/m3		79	76 - 136	1	25
4-Ethyltoluene			98	74.3		ug/m3		76	62 - 136	1	25
Hexachlorobutadiene			210	178		ug/m3		84	42 - 150	1	25

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

Lab Sample ID: LCSD 320-168976/34
Matrix: Air
Analysis Batch: 168976

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
2-Hexanone			82	60.6		ug/m3		74	70 - 128	1	25
Methylene Chloride			69	60.8		ug/m3		88	65 - 125	2	25
4-Methyl-2-pentanone (MIBK)			82	72.4		ug/m3		88	73 - 133	0	25
Styrene			85	70.5		ug/m3		83	76 - 144	1	25
1,1,2,2-Tetrachloroethane			140	109		ug/m3		80	75 - 135	1	25
Tetrachloroethene			140	115		ug/m3		85	56 - 138	1	25
Toluene			75	70.1		ug/m3		93	71 - 132	1	25
1,2,4-Trichlorobenzene			150	119		ug/m3		80	59 - 150	2	25
1,1,1-Trichloroethane			110	110		ug/m3		101	65 - 124	1	25
1,1,2-Trichloroethane			110	88.4		ug/m3		81	71 - 131	1	25
Trichloroethene			110	107		ug/m3		99	64 - 127	1	25
1,4-Dioxane			72	71.6		ug/m3		99	55 - 141	1	25
Trichlorofluoromethane			110	115		ug/m3		103	68 - 128	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane			150	136		ug/m3		89	50 - 132	2	25
1,2,4-Trimethylbenzene			98	74.8		ug/m3		76	61 - 145	13	25
1,3,5-Trimethylbenzene			98	78.9		ug/m3		80	65 - 136	0	25
Vinyl acetate			70	74.3		ug/m3		105	77 - 134	0	25
Vinyl chloride			51	47.3		ug/m3		92	69 - 129	1	25
m,p-Xylene			170	140		ug/m3		80	75 - 138	1	25
o-Xylene			87	69.7		ug/m3		80	77 - 132	1	25
Naphthalene			100	68.8		ug/m3		66	58 - 150	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*113*		*70 - 130*

Air - GC/MS VOA

Analysis Batch: 168726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-28795-1	SVE-2	Total/NA	Air	TO-15	
320-28795-2	SVE-3	Total/NA	Air	TO-15	
320-28795-3	SVE-4	Total/NA	Air	TO-15	
320-28795-4	SVE-5	Total/NA	Air	TO-15	
320-28795-5	SVE-6	Total/NA	Air	TO-15	
320-28795-6	SVE-7	Total/NA	Air	TO-15	
320-28795-7	SVE-8	Total/NA	Air	TO-15	
320-28795-8	SVE-8-DUP	Total/NA	Air	TO-15	
320-28795-9	SVE-13	Total/NA	Air	TO-15	
320-28795-10	SVE-19	Total/NA	Air	TO-15	
320-28795-13	SVE-11	Total/NA	Air	TO-15	
320-28795-14	SVE-17	Total/NA	Air	TO-15	
320-28795-16	SVE-15	Total/NA	Air	TO-15	
MB 320-168726/6	Method Blank	Total/NA	Air	TO-15	
LCS 320-168726/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 320-168726/21	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 168976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-28795-17	SVE-17-DUP	Total/NA	Air	TO-15	
320-28795-18	SVE-1	Total/NA	Air	TO-15	
320-28795-19	SVE-10	Total/NA	Air	TO-15	
320-28795-20	SVE-9	Total/NA	Air	TO-15	
320-28795-21	SVE-14	Total/NA	Air	TO-15	
320-28795-22	SVP-1-3.5	Total/NA	Air	TO-15	
320-28795-23	SVP-3-3.5	Total/NA	Air	TO-15	
320-28795-24	SVP-4-3.5	Total/NA	Air	TO-15	
320-28795-25	SVP-6-3.5	Total/NA	Air	TO-15	
320-28795-26	SVP-4-3.5-DUP	Total/NA	Air	TO-15	
MB 320-168976/6	Method Blank	Total/NA	Air	TO-15	
LCS 320-168976/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 320-168976/34	Lab Control Sample Dup	Total/NA	Air	TO-15	

Client Sample ID: SVE-2
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-1
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		4.59	107 mL	250 mL	168726	06/12/17 17:43	AP1	TAL SAC

Client Sample ID: SVE-3
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-2
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	535 mL	250 mL	168726	06/12/17 18:40	AP1	TAL SAC

Client Sample ID: SVE-4
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-3
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	549 mL	250 mL	168726	06/12/17 19:39	AP1	TAL SAC

Client Sample ID: SVE-5
Date Collected: 06/01/17 14:25
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-4
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	488 mL	250 mL	168726	06/12/17 20:36	AP1	TAL SAC

Client Sample ID: SVE-6
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-5
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	530 mL	250 mL	168726	06/12/17 21:34	AP1	TAL SAC

Client Sample ID: SVE-7
Date Collected: 06/01/17 14:42
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-6
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	532 mL	250 mL	168726	06/12/17 22:33	AP1	TAL SAC

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-8
Date Collected: 06/01/17 14:41
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-7
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	498 mL	250 mL	168726	06/12/17 23:31	AP1	TAL SAC

Client Sample ID: SVE-8-DUP
Date Collected: 06/01/17 14:53
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-8
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	502 mL	250 mL	168726	06/13/17 00:29	AP1	TAL SAC

Client Sample ID: SVE-13
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-9
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	487 mL	250 mL	168726	06/13/17 01:27	AP1	TAL SAC

Client Sample ID: SVE-19
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-10
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	475 mL	250 mL	168726	06/13/17 02:25	AP1	TAL SAC

Client Sample ID: SVE-11
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-13
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	500 mL	250 mL	168726	06/13/17 03:23	AP1	TAL SAC

Client Sample ID: SVE-17
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-14
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	485 mL	250 mL	168726	06/13/17 04:20	AP1	TAL SAC

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVE-15
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-16
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		6.8	71 mL	250 mL	168726	06/13/17 05:12	AP1	TAL SAC

Client Sample ID: SVE-17-DUP
Date Collected: 06/01/17 15:46
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-17
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		1.61	357 mL	250 mL	168976	06/13/17 16:48	AP1	TAL SAC

Client Sample ID: SVE-1
Date Collected: 06/01/17 15:54
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-18
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	518 mL	250 mL	168976	06/13/17 17:45	AP1	TAL SAC

Client Sample ID: SVE-10
Date Collected: 06/01/17 16:04
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-19
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		2.64	200 mL	250 mL	168976	06/13/17 18:38	AP1	TAL SAC

Client Sample ID: SVE-9
Date Collected: 06/01/17 16:06
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-20
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	484 mL	250 mL	168976	06/13/17 19:35	AP1	TAL SAC

Client Sample ID: SVE-14
Date Collected: 06/01/17 16:09
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-21
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	168976	06/13/17 20:32	AP1	TAL SAC

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Client Sample ID: SVP-1-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-22
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	554 mL	250 mL	168976	06/13/17 21:30	AP1	TAL SAC

Client Sample ID: SVP-3-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-23
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	523 mL	250 mL	168976	06/13/17 22:27	AP1	TAL SAC

Client Sample ID: SVP-4-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-24
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	485 mL	250 mL	168976	06/13/17 23:24	AP1	TAL SAC

Client Sample ID: SVP-6-3.5
Date Collected: 06/01/17 17:00
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-25
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		71	11.7 mL	250 mL	168976	06/14/17 00:15	AP1	TAL SAC

Client Sample ID: SVP-4-3.5-DUP
Date Collected: 06/01/17 17:19
Date Received: 06/03/17 09:04

Lab Sample ID: 320-28795-26
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	475 mL	250 mL	168976	06/14/17 01:14	AP1	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Laboratory: TestAmerica Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	4040	01-28-18

Method Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

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

Sample Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-28795-1	SVE-2	Air	06/01/17 14:25	06/03/17 09:04
320-28795-2	SVE-3	Air	06/01/17 14:25	06/03/17 09:04
320-28795-3	SVE-4	Air	06/01/17 14:25	06/03/17 09:04
320-28795-4	SVE-5	Air	06/01/17 14:25	06/03/17 09:04
320-28795-5	SVE-6	Air	06/01/17 14:42	06/03/17 09:04
320-28795-6	SVE-7	Air	06/01/17 14:42	06/03/17 09:04
320-28795-7	SVE-8	Air	06/01/17 14:41	06/03/17 09:04
320-28795-8	SVE-8-DUP	Air	06/01/17 14:53	06/03/17 09:04
320-28795-9	SVE-13	Air	06/01/17 14:32	06/03/17 09:04
320-28795-10	SVE-19	Air	06/01/17 14:32	06/03/17 09:04
320-28795-13	SVE-11	Air	06/01/17 15:05	06/03/17 09:04
320-28795-14	SVE-17	Air	06/01/17 15:05	06/03/17 09:04
320-28795-16	SVE-15	Air	06/01/17 15:05	06/03/17 09:04
320-28795-17	SVE-17-DUP	Air	06/01/17 15:46	06/03/17 09:04
320-28795-18	SVE-1	Air	06/01/17 15:54	06/03/17 09:04
320-28795-19	SVE-10	Air	06/01/17 16:04	06/03/17 09:04
320-28795-20	SVE-9	Air	06/01/17 16:06	06/03/17 09:04
320-28795-21	SVE-14	Air	06/01/17 16:09	06/03/17 09:04
320-28795-22	SVP-1-3.5	Air	06/01/17 17:00	06/03/17 09:04
320-28795-23	SVP-3-3.5	Air	06/01/17 17:00	06/03/17 09:04
320-28795-24	SVP-4-3.5	Air	06/01/17 17:00	06/03/17 09:04
320-28795-25	SVP-6-3.5	Air	06/01/17 17:00	06/03/17 09:04
320-28795-26	SVP-4-3.5-DUP	Air	06/01/17 17:19	06/03/17 09:04

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

176270

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldessari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	End Vac	~~DEPTH IN FEET~~ Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (TO-15)	48-HR TAT*
17	06	01	1425	SVE-2	X									1	-30	-5	0684									X	
			1425	SVE-3	X									1	-28	-5	1097									X	
			1425	SVE-4	X									1	-29	-5	1139									X	
			1425	SVE-5	X									1	-30	-5	0094									X	
			1442	SVE-6	X									1	-30	-5	1203									X	
			1442	SVE-7	X									1	-28	-5	0802									X	
			1441	SVE-8	X									1	-30	-5	0647									X	
			1453	SVE-8-DUP	X									1	-30	-5	0970									X	
			1432	SVE-13	X									1	-30	-5	1595									X	
			1432	SVE-19	X									1	-30	-5	0316									X	
			1432	SVE-12 *JMP 6/2/17	X									1	-30	-5	0679									X	X
↓	↓	↓	1432	SVE-18	X									1	-30	-5	0910									X	X

NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

320-28795 Chain of Custody

Page 1 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) TAMS	6/3/17	901
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldessari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa			DEPTH IN FEET / Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (TO-15)	48-HR TAT *
170601			1505	SVE-11	X									1	-36	-5	1671									X	
			1505	SVE-17	X									1	-36	-5	0622									X	
			1505	SVE-16	X									1	-30	-5	0808									X	X
			1505	SVE-15	X									1	-36	-5	1109									X	
			1546	SVE-17-DUP	X									1	-28	-5	1028									X	
			1554	SVE-1	X									1	-30	-5	0654									X	
			1604	SVE-10	X									1	-28	-5	1948									X	
			1606	SVE-9	X									1	-30	-4	1645									X	
			1609	SVE-14	X									1	-30	-5	0982									X	
			1700	SVP-1-3.5	X									1	-30	-8	1964									X	
			1700	SVP-2-3.5	X	JMP 06/01/17								1	-30		0948										
			1700	SVP-3-3.5	X									1	-30	-5	1008									X	

Page 94 of 124

NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

Page 2 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) - TAMS	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

6/16/2017

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kelter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldassari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	End Vac	~~DEPTH IN FEET~~ Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (Ta-ts)
17	06	01	1700	SVP-4-3.5	X									1	-30	-5	1946 *									X
↓	↓	↓	1700	SVP-6-3.5	X									1	-30	-15	0769									X
↓	↓	↓	1719	SVP-4-3.5-DUP	X									1	-30	-5	1792									X

* Can ID 3400 1965 @ 6-3-17

Page 95 of 124

NOTES

Turn Around Time: Standard TAT

Page 3 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature)	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

6/16/2017

Login Sample Receipt Checklist

Client: PES Environmental, Inc.

Job Number: 320-28795-1

Login Number: 28795
List Number: 1
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
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.	False	-04&-24: Canister ID on COC doesn't match canister rec'd
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/8/17 320-28067

Date of QC: 5/9/2017

Data File Number: C:\MSDCHEM\1\DATA\170509\ ms60509009.d

320-28067 Chain of Custody

CANISTER ID NUMBERS

34000648 *	34000946	
34000808	34000982	
34001097	34000647	
34000684	34001940	
34001203	34000622	
34001139	34001948	
34001108	34001109	
34001792	34001028	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

1st level Reviewed By: _____ Date: 5/11/17

2nd level Reviewed By: _____ Date: 5/18/17

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/12/17 320-28241

Date of QC: 5/16/2017

Data File Number: C:\MSDCHEM\1\DATA\170516\ ms60516 05.d

320-28241 Chain of Custody

CANISTER ID NUMBERS

34000806 *	34001789	
34000654	34001965	
34001621	34000625	
34000802	34000620	
34000316	34001964	
34000910	8518	
34000769	34000679	
34002003	34001030	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

1st level Reviewed By: _____ Date: 5/17/17

2nd level Reviewed By: _____ Date: 5/18/17

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/12/17 320-28245

Date of QC: 5/16/2017

Data File Number: C:\MSDCHEM\1\DATA\170516\ → MS605160 6.d

320-28245 Chain of Custody

CANISTER ID NUMBERS

34001187 *	34001939	
34001853	34001669	
34001594	34000616	
34001228	34000337	
34000998	34000862	
34001095	34000970	
34000757	34000762	
34000807	34001943	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

1st level Reviewed By: _____ Date: 5/17/17

2nd level Reviewed By: _____ Date: 5/18/17

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 (SCAN)

Date Cleaned/Batch ID: 05-18-17 320-28393

Date of QC: _____

Data File Number: _____

320-28393 Chain of Custody

CANISTER ID NUMBERS

* 8318	34001000	
8504	34000948	
34000984	34001938	
3400596	34001645	
34001671	34001009	
34000971	34001498	
34001595	34001134	
34001093	34001219	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

_____ _____
1st level Reviewed By: Date:

_____ _____
2nd level Reviewed By: Date:

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.21	J	5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D
Lims ID: 320-28067-A-1
Client ID: 34000648
Sample Type: Client
Inject. Date: 09-May-2017 16:58:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28067-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 10-May-2017 10:03:52 Calib Date: 09-May-2017 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050904.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: phanthasena Date: 10-May-2017 10:03:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.094	13.094	0.000	93	39904	4.00	
* 2 1,4-Difluorobenzene	114	15.242	15.242	0.000	96	149294	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.982	0.006	90	134121	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.305	14.299	0.006	98	76808	4.04	
$ 5 Toluene-d8 (Surr)	100	18.703	18.697	0.006	98	88578	4.10	
$ 6 4-Bromofluorobenzene (Surr	95	24.556	24.556	0.000	87	89516	3.99	
11 Propene	41	4.474	4.492	-0.018	26	183	0.0248	
17 Butane	43	5.283	5.295	-0.012	10	639	0.0336	
32 Acetone	43	8.282	8.264	0.018	49	4244	0.2091	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

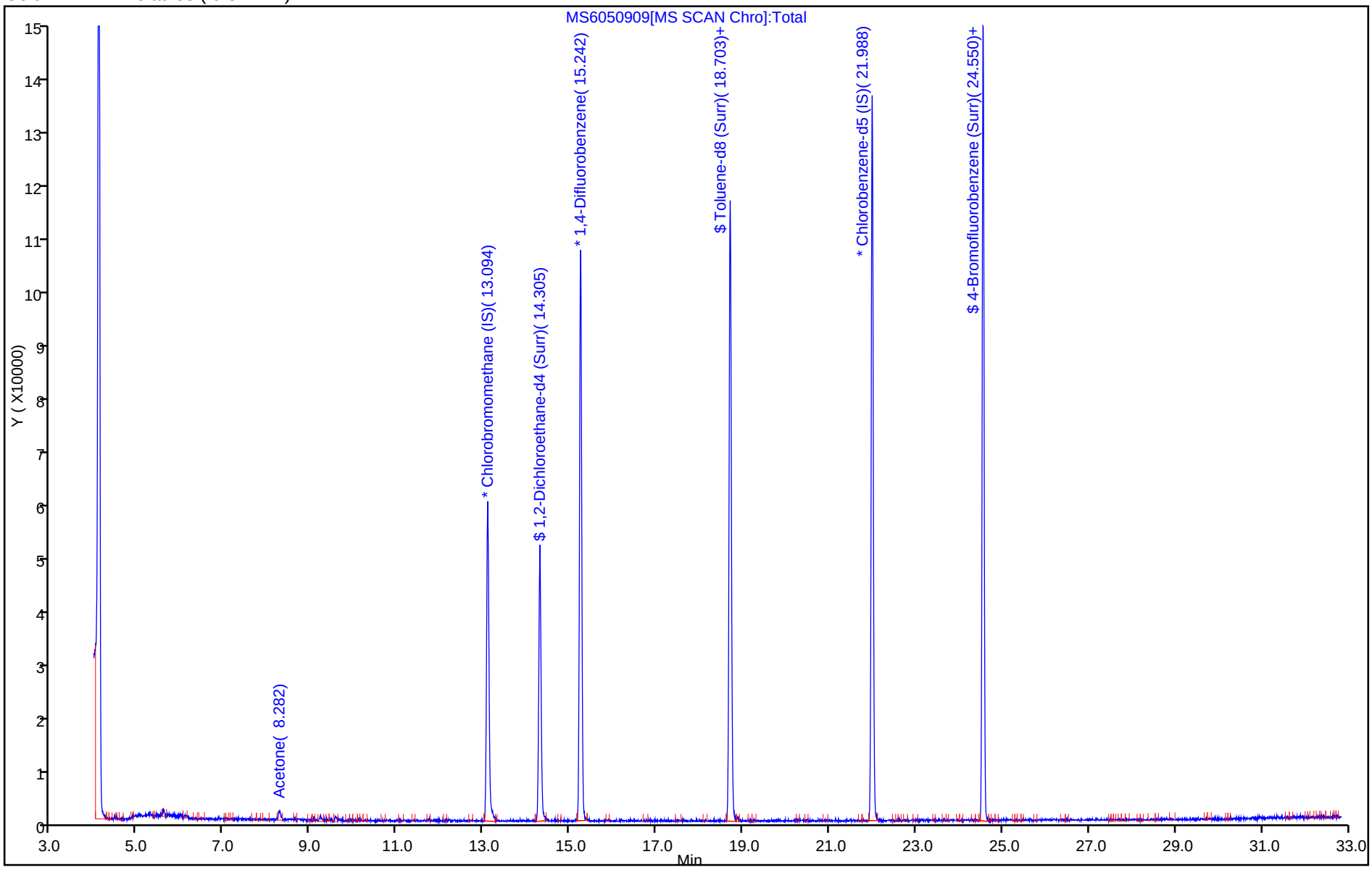
Report Date: 10-May-2017 10:03:53 Chrom Revision: 2.2 08-May-2017 08:06:58

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D

Injection Date:	09-May-2017 16:58:30	Instrument ID:	ATMS6	Operator ID:	LHS
Lims ID:	320-28067-A-1	Lab Sample ID:	320-28067-1	Worklist Smp#:	9
Client ID:	34000648				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



Report Date: 10-May-2017 10:03:53 Chrom Revision: 2.2 08-May-2017 08:06:58

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D

Injection Date: 09-May-2017 16:58:30 Instrument ID: ATMS6

Lims ID: 320-28067-A-1 Lab Sample ID: 320-28067-1

Client ID: 34000648

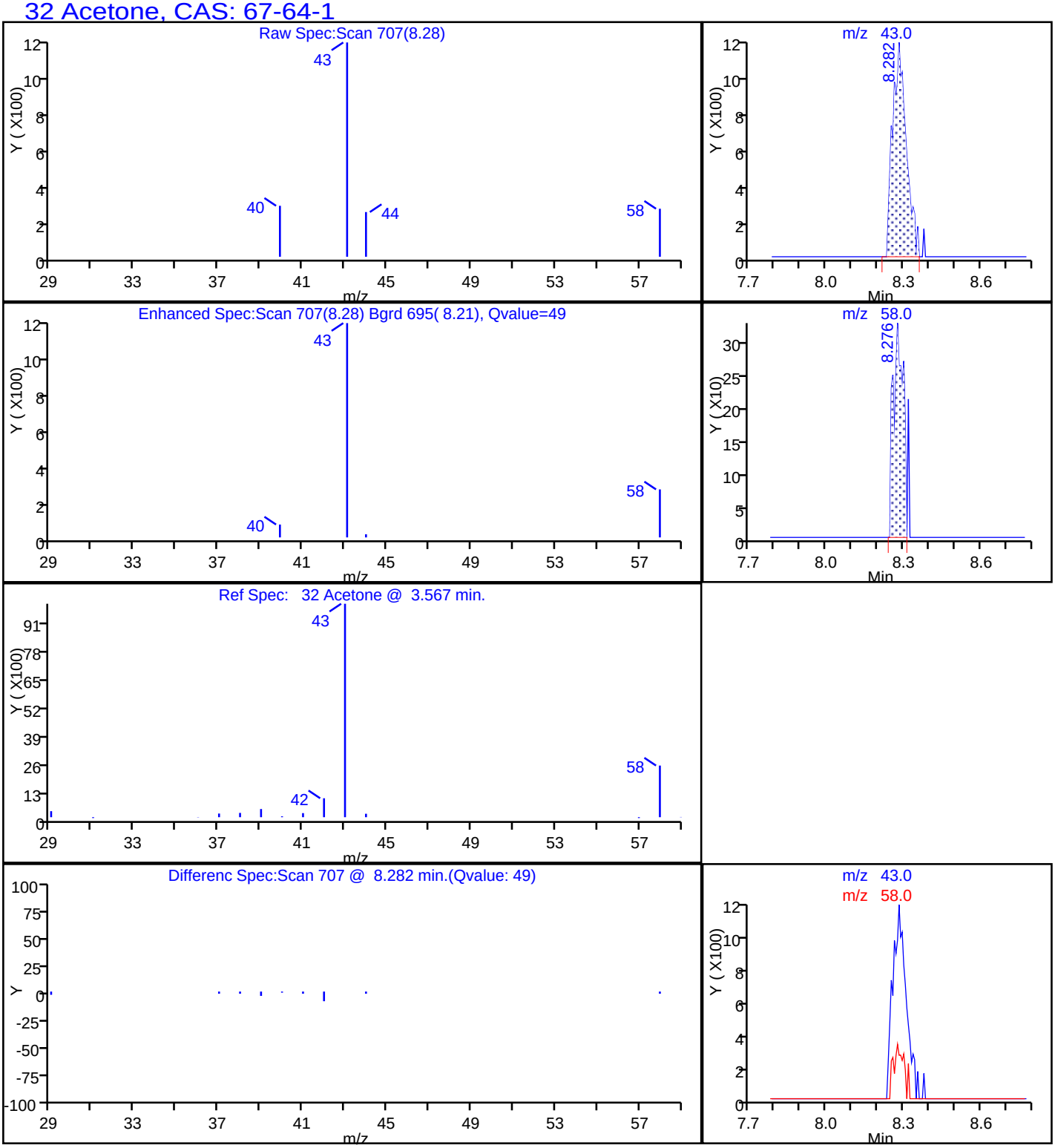
Operator ID: LHS ALS Bottle#: 7 Worklist Smp#: 9

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: TO15_ATMS6 Limit Group: MSA - TO15 - ICAL

Column: RTX Volatiles (0.32 mm) Detector MS SCAN

32 Acetone, CAS: 67-64-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051605.D
Lims ID: 320-28241-A-1
Client ID: 34000806
Sample Type: Client
Inject. Date: 16-May-2017 11:06:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28241-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 17-May-2017 09:45:37 Calib Date: 16-May-2017 08:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051602.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: phanthasena Date: 17-May-2017 09:48:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.094	13.094	0.000	94	43372	4.00	
* 2 1,4-Difluorobenzene	114	15.242	15.242	0.000	96	157030	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.982	0.006	89	138766	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.305	14.299	0.006	99	77943	4.09	
$ 5 Toluene-d8 (Surr)	100	18.697	18.691	0.006	98	92908	3.97	
$ 6 4-Bromofluorobenzene (Surr	95	24.550	24.550	0.000	87	88368	3.73	
11 Propene	41	4.480	4.486	-0.006	26	353	0.0455	
17 Butane	43	5.283	5.295	-0.012	23	943	0.0487	
32 Acetone	43	8.270	8.276	-0.006	41	3028	0.1428	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

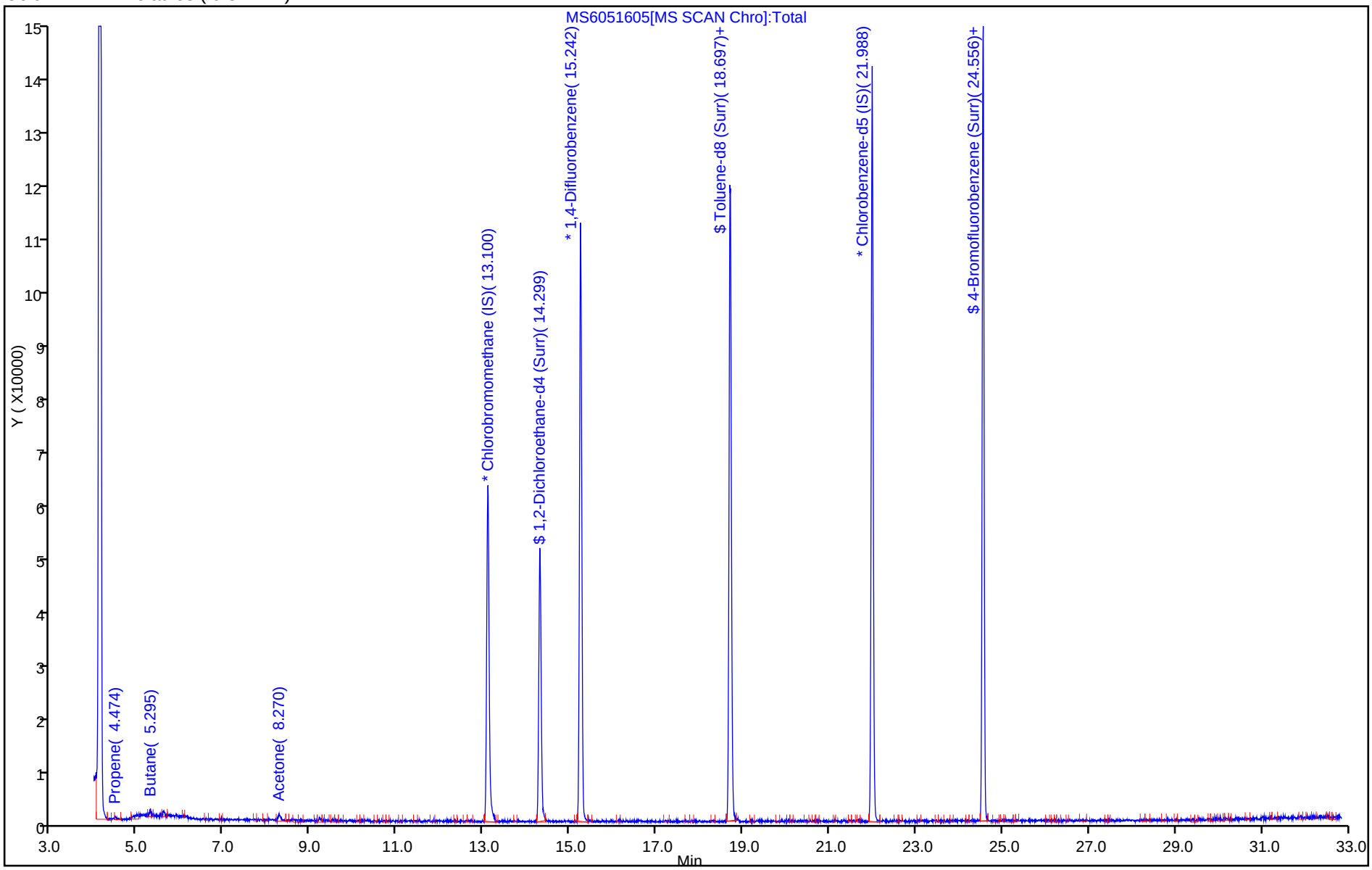
Report Date: 17-May-2017 09:48:11 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051605.D

Injection Date:	16-May-2017 11:06:30	Instrument ID:	ATMS6	Operator ID:	LHS
Lims ID:	320-28241-A-1	Lab Sample ID:	320-28241-1	Worklist Smp#:	5
Client ID:	34000806				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28245-1

SDG No.:

Client Sample ID: 34001187 Lab Sample ID: 320-28245-1

Matrix: Air Lab File ID: MS6051606.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 12:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28245-1

SDG No.:

Client Sample ID: 34001187 Lab Sample ID: 320-28245-1

Matrix: Air Lab File ID: MS6051606.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 12:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28245-1

SDG No.:

Client Sample ID: 34001187 Lab Sample ID: 320-28245-1

Matrix: Air Lab File ID: MS6051606.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 12:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051606.D
Lims ID: 320-28245-A-1
Client ID: 34001187
Sample Type: Client
Inject. Date: 16-May-2017 12:06:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28245-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 17-May-2017 09:49:38 Calib Date: 16-May-2017 08:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051602.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: phanthasena Date: 17-May-2017 09:49:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.113	13.094	0.019	95	42720	4.00	
* 2 1,4-Difluorobenzene	114	15.254	15.242	0.012	96	158439	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.989	21.982	0.006	90	139029	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.311	14.299	0.012	98	79103	4.11	
$ 5 Toluene-d8 (Surr)	100	18.703	18.691	0.012	97	92482	3.92	
$ 6 4-Bromofluorobenzene (Surr	95	24.556	24.550	0.006	87	90706	3.82	
17 Butane	43	5.332	5.295	0.037	1	858	0.0450	
32 Acetone	43	8.313	8.276	0.037	44	2752	0.1318	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

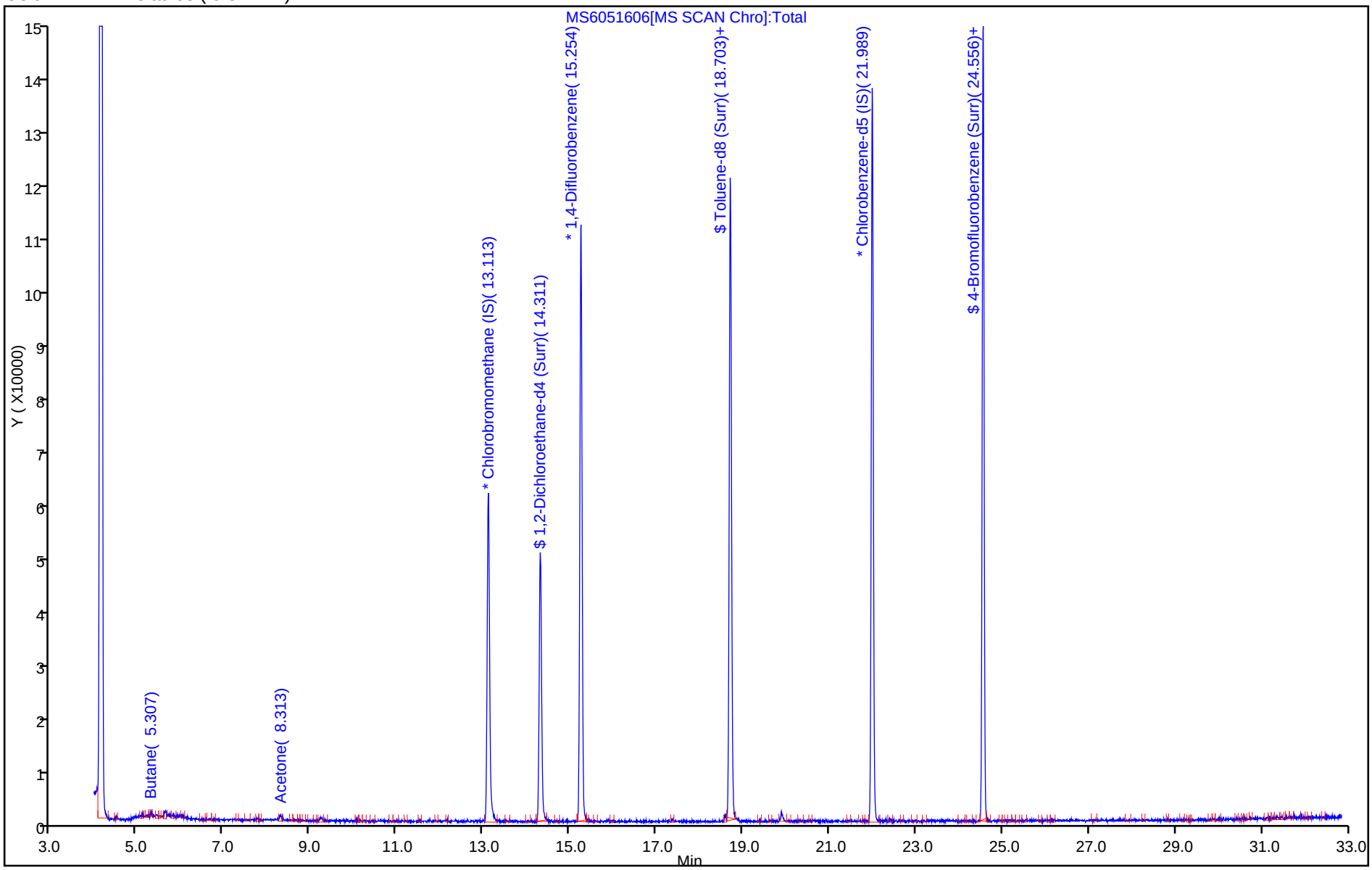
Report Date: 17-May-2017 09:49:39 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051606.D

Injection Date:	16-May-2017 12:06:30	Instrument ID:	ATMS6	Operator ID:	LHS
Lims ID:	320-28245-A-1	Lab Sample ID:	320-28245-1	Worklist Smp#:	6
Client ID:	34001187				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28393-1

SDG No.:

Client Sample ID: 8318 Lab Sample ID: 320-28393-1

Matrix: Air Lab File ID: MS6051906.D

Analysis Method: TO-15 Date Collected: 05/18/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/19/2017 15:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 165335 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.51	J	5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	0.46	J	0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28393-1

SDG No.:

Client Sample ID: 8318 Lab Sample ID: 320-28393-1

Matrix: Air Lab File ID: MS6051906.D

Analysis Method: TO-15 Date Collected: 05/18/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/19/2017 15:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 165335 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	0.11	J	0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28393-1

SDG No.:

Client Sample ID: 8318 Lab Sample ID: 320-28393-1

Matrix: Air Lab File ID: MS6051906.D

Analysis Method: TO-15 Date Collected: 05/18/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/19/2017 15:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 165335 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051906.D
Lims ID: 320-28393-A-1
Client ID: 8318
Sample Type: Client
Inject. Date: 19-May-2017 15:42:30 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28393-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: SV Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 22-May-2017 10:04:41 Calib Date: 19-May-2017 11:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051902.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: phanthasena Date: 22-May-2017 10:04:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.100	13.100	0.000	94	40858	4.00	
* 2 1,4-Difluorobenzene	114	15.242	15.242	0.000	95	156100	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.988	0.000	89	139470	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.299	14.305	-0.006	98	71878	3.70	
$ 5 Toluene-d8 (Surr)	100	18.703	18.697	0.006	98	93599	3.83	
$ 6 4-Bromofluorobenzene (Surr	95	24.556	24.549	0.007	87	93450	3.74	
11 Propene	41	4.498	4.486	0.012	37	892	0.1107	
17 Butane	43	5.307	5.295	0.012	10	997	0.0530	
32 Acetone	43	8.282	8.276	0.006	99	10616	0.5077	
40 Carbon disulfide	76	9.602	9.590	0.012	96	10934	0.4590	
58 Isooctane	57	14.244	14.232	0.012	1	1508	0.0333	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

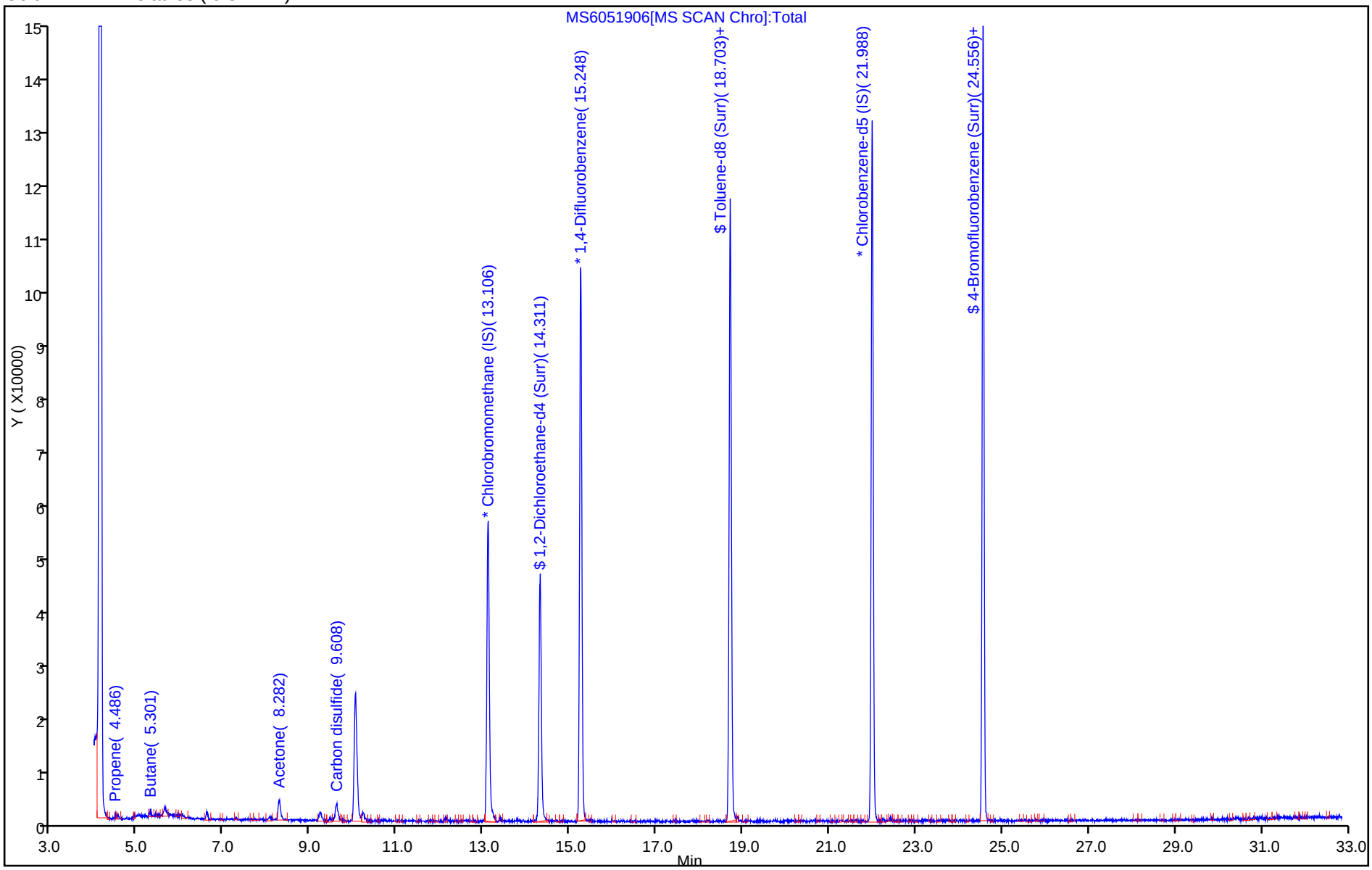
Report Date: 22-May-2017 10:04:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051906.D

Injection Date:	19-May-2017 15:42:30	Instrument ID:	ATMS6	Operator ID:	SV
Lims ID:	320-28393-A-1	Lab Sample ID:	320-28393-1	Worklist Smp#:	21
Client ID:	8318				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



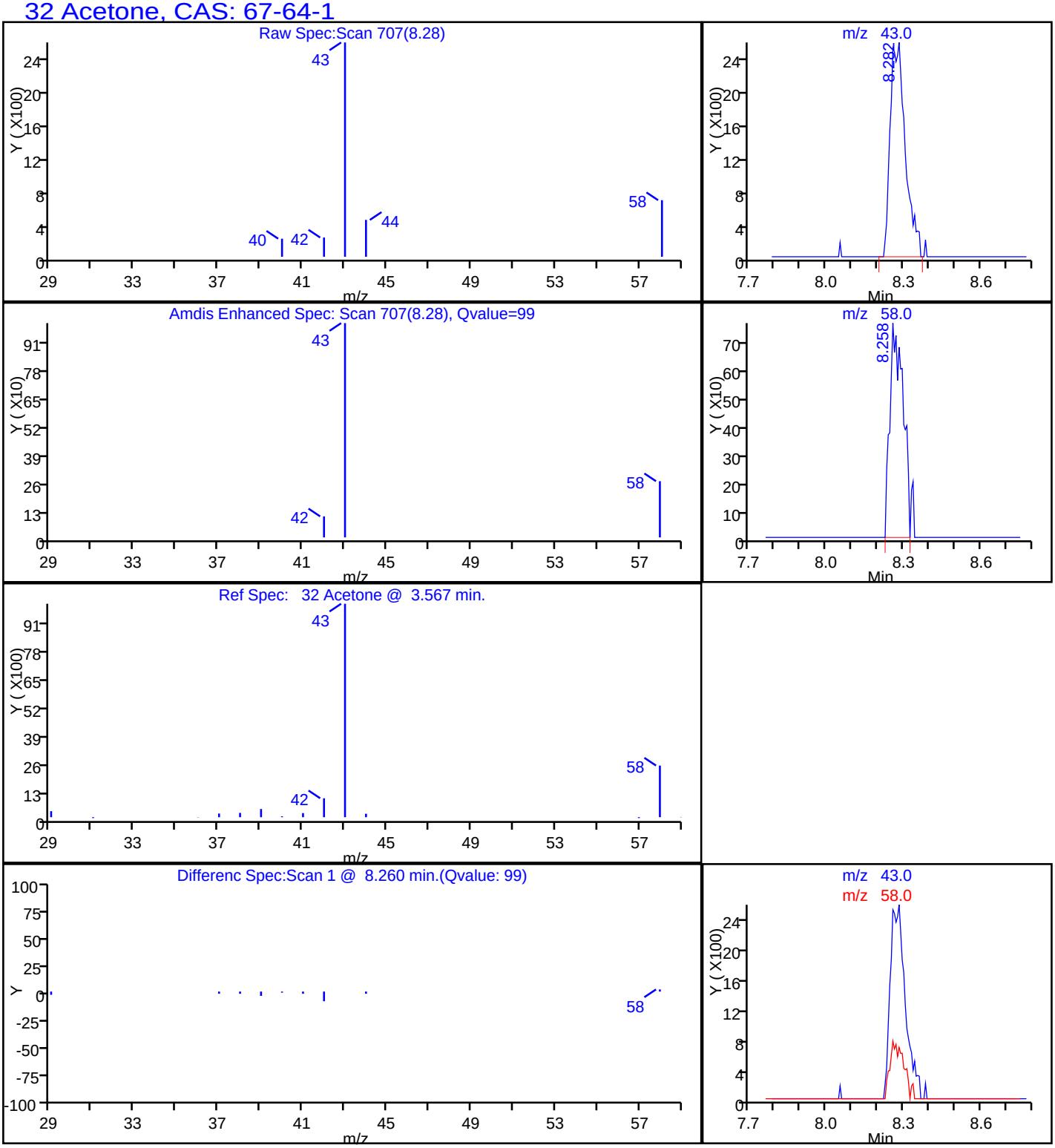
Report Date: 22-May-2017 10:04:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051906.D

Injection Date:	19-May-2017 15:42:30	Instrument ID:	ATMS6		
Lims ID:	320-28393-A-1	Lab Sample ID:	320-28393-1		
Client ID:	8318				
Operator ID:	SV	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

32 Acetone, CAS: 67-64-1

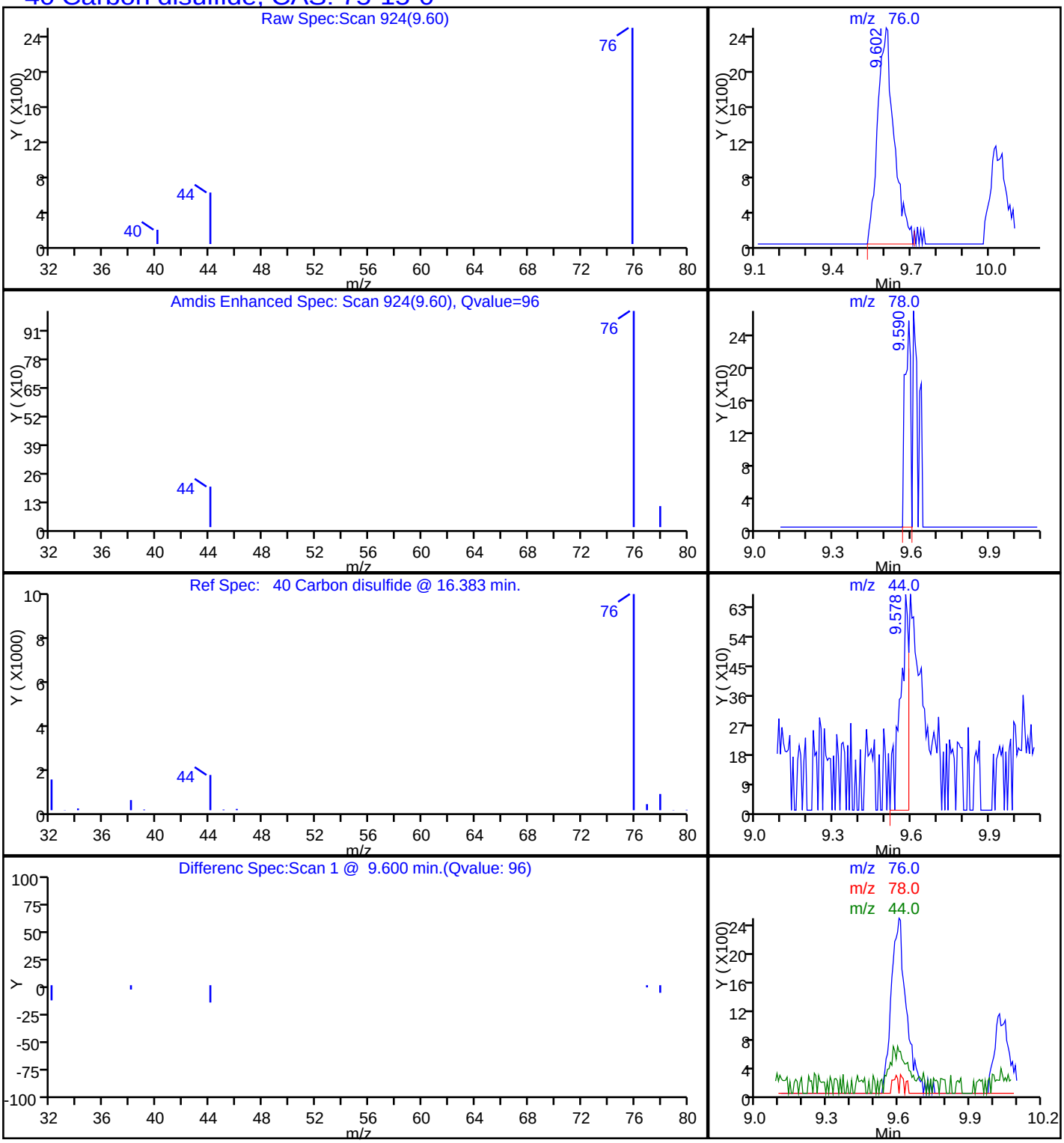


TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051906.D

Injection Date:	19-May-2017 15:42:30	Instrument ID:	ATMS6		
Lims ID:	320-28393-A-1	Lab Sample ID:	320-28393-1		
Client ID:	8318				
Operator ID:	SV	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

40 Carbon disulfide, CAS: 75-15-0



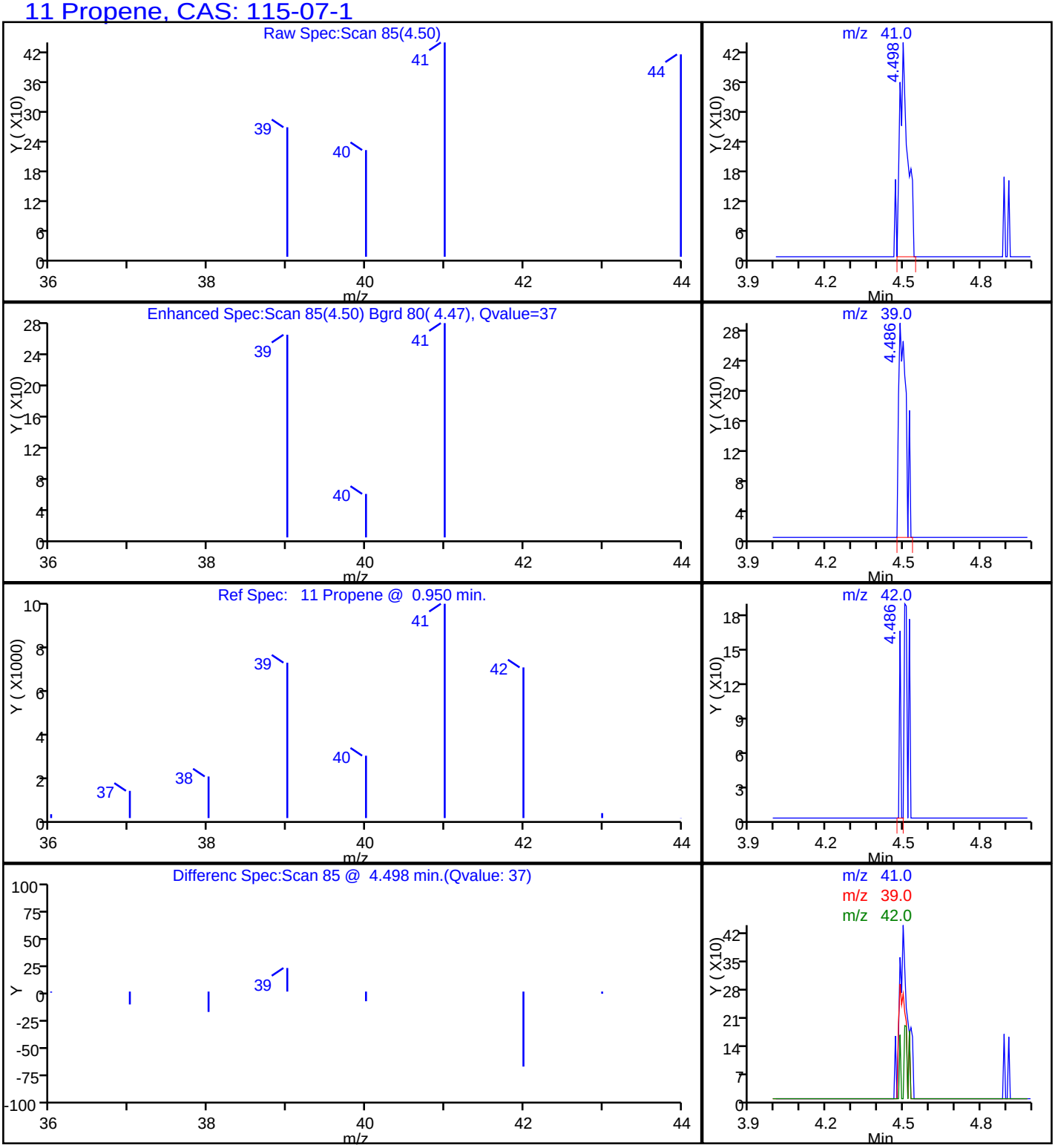
Report Date: 22-May-2017 10:04:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170519-43295.b\MS6051906.D

Injection Date:	19-May-2017 15:42:30	Instrument ID:	ATMS6		
Lims ID:	320-28393-A-1	Lab Sample ID:	320-28393-1		
Client ID:	8318				
Operator ID:	SV	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

11 Propene, CAS: 115-07-1



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: 320-28796-1
Client Project/Site: Anton Emeryville Air
Revision: 1

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

Attn: Mr. Chris Baldassari

Authorized for release by:
6/19/2017 4:18:13 PM

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

Table of Contents

Glossary

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

Job ID: 320-28796-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-28796-1

This report was revised on June 19, 2017, to report full list of VOCs by EPA TO-15.

This report only contains samples that were originally reported on a rush turnaround time.

Receipt
The samples were received on 6/3/2017 9:04 AM; the samples arrived in good condition.

Air - GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-12 — Lab Sample ID: 320-28796-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.40		ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.4		0.80		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	10		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.3		0.40		ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.3		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	1.1		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.7		1.3		ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	4.1		2.4		ug/m3	1		TO-15	Total/NA
Carbon disulfide	31		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	21		1.6		ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	5.3		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	2.7		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-18 — Lab Sample ID: 320-28796-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.95		0.40		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.3		0.80		ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.91		0.40		ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.99		0.40		ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.0		1.3		ug/m3	1		TO-15	Total/NA
Carbon disulfide	4.2		2.5		ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	3.6		1.6		ug/m3	1		TO-15	Total/NA
Vinyl chloride	2.5		1.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: SVE-16 — Lab Sample ID: 320-28796-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21000		160		ppb v/v	392		TO-15	Total/NA
trans-1,2-Dichloroethene	5200		160		ppb v/v	392		TO-15	Total/NA
Vinyl chloride	12000		160		ppb v/v	392		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	82000		620		ug/m3	392		TO-15	Total/NA
trans-1,2-Dichloroethene	21000		620		ug/m3	392		TO-15	Total/NA
Vinyl chloride	30000		400		ug/m3	392		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-12
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-1
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			06/05/17 20:54	1
Benzene	**1.1**		0.40		ppb v/v			06/05/17 20:54	1
Benzyl chloride	ND		0.80		ppb v/v			06/05/17 20:54	1
Bromodichloromethane	ND		0.30		ppb v/v			06/05/17 20:54	1
Bromoform	ND		0.40		ppb v/v			06/05/17 20:54	1
Bromomethane	ND		0.80		ppb v/v			06/05/17 20:54	1
2-Butanone (MEK)	**1.4**		0.80		ppb v/v			06/05/17 20:54	1
Carbon disulfide	**10**		0.80		ppb v/v			06/05/17 20:54	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/05/17 20:54	1
Chlorobenzene	ND		0.30		ppb v/v			06/05/17 20:54	1
Dibromochloromethane	ND		0.40		ppb v/v			06/05/17 20:54	1
Chloroethane	ND		0.80		ppb v/v			06/05/17 20:54	1
Chloroform	ND		0.30		ppb v/v			06/05/17 20:54	1
Chloromethane	ND		0.80		ppb v/v			06/05/17 20:54	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/05/17 20:54	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 20:54	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/05/17 20:54	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/05/17 20:54	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/05/17 20:54	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/05/17 20:54	1
cis-1,2-Dichloroethene	**5.3**		0.40		ppb v/v			06/05/17 20:54	1
trans-1,2-Dichloroethene	**1.3**		0.40		ppb v/v			06/05/17 20:54	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/05/17 20:54	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 20:54	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/05/17 20:54	1
Ethylbenzene	ND		0.40		ppb v/v			06/05/17 20:54	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/05/17 20:54	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/05/17 20:54	1
2-Hexanone	ND		0.40		ppb v/v			06/05/17 20:54	1
Methylene Chloride	ND		0.40		ppb v/v			06/05/17 20:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/05/17 20:54	1
Styrene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/05/17 20:54	1
Tetrachloroethene	ND		0.40		ppb v/v			06/05/17 20:54	1
Toluene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/05/17 20:54	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/05/17 20:54	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/05/17 20:54	1
Trichloroethene	ND		0.40		ppb v/v			06/05/17 20:54	1
1,4-Dioxane	ND		0.80		ppb v/v			06/05/17 20:54	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/05/17 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/05/17 20:54	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/05/17 20:54	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/05/17 20:54	1
Vinyl acetate	ND		0.80		ppb v/v			06/05/17 20:54	1

Client Sample ID: SVE-12
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**1.1**		0.40		ppb v/v			06/05/17 20:54	1
m,p-Xylene	ND		0.80		ppb v/v			06/05/17 20:54	1
o-Xylene	ND		0.40		ppb v/v			06/05/17 20:54	1
Naphthalene	ND		0.80		ppb v/v			06/05/17 20:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/05/17 20:54	1
Benzene	**3.7**		1.3		ug/m3			06/05/17 20:54	1
Benzyl chloride	ND		4.1		ug/m3			06/05/17 20:54	1
Bromodichloromethane	ND		2.0		ug/m3			06/05/17 20:54	1
Bromoform	ND		4.1		ug/m3			06/05/17 20:54	1
Bromomethane	ND		3.1		ug/m3			06/05/17 20:54	1
2-Butanone (MEK)	**4.1**		2.4		ug/m3			06/05/17 20:54	1
Carbon disulfide	**31**		2.5		ug/m3			06/05/17 20:54	1
Carbon tetrachloride	ND		5.0		ug/m3			06/05/17 20:54	1
Chlorobenzene	ND		1.4		ug/m3			06/05/17 20:54	1
Dibromochloromethane	ND		3.4		ug/m3			06/05/17 20:54	1
Chloroethane	ND		2.1		ug/m3			06/05/17 20:54	1
Chloroform	ND		1.5		ug/m3			06/05/17 20:54	1
Chloromethane	ND		1.7		ug/m3			06/05/17 20:54	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/05/17 20:54	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 20:54	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 20:54	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 20:54	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/05/17 20:54	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/05/17 20:54	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/05/17 20:54	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/05/17 20:54	1
cis-1,2-Dichloroethene	**21**		1.6		ug/m3			06/05/17 20:54	1
trans-1,2-Dichloroethene	**5.3**		1.6		ug/m3			06/05/17 20:54	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/05/17 20:54	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 20:54	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 20:54	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/05/17 20:54	1
Ethylbenzene	ND		1.7		ug/m3			06/05/17 20:54	1
4-Ethyltoluene	ND		2.0		ug/m3			06/05/17 20:54	1
Hexachlorobutadiene	ND		21		ug/m3			06/05/17 20:54	1
2-Hexanone	ND		1.6		ug/m3			06/05/17 20:54	1
Methylene Chloride	ND		1.4		ug/m3			06/05/17 20:54	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/05/17 20:54	1
Styrene	ND		1.7		ug/m3			06/05/17 20:54	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/05/17 20:54	1
Tetrachloroethene	ND		2.7		ug/m3			06/05/17 20:54	1
Toluene	ND		1.5		ug/m3			06/05/17 20:54	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/05/17 20:54	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/05/17 20:54	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/05/17 20:54	1
Trichloroethene	ND		2.1		ug/m3			06/05/17 20:54	1
1,4-Dioxane	ND		2.9		ug/m3			06/05/17 20:54	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-12

Lab Sample ID: 320-28796-1
Matrix: Air
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
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			06/05/17 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/05/17 20:54	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/05/17 20:54	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/05/17 20:54	1
Vinyl acetate	ND		2.8		ug/m3			06/05/17 20:54	1
Vinyl chloride	**2.7**		1.0		ug/m3			06/05/17 20:54	1
m,p-Xylene	ND		3.5		ug/m3			06/05/17 20:54	1
o-Xylene	ND		1.7		ug/m3			06/05/17 20:54	1
Naphthalene	ND		4.2		ug/m3			06/05/17 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*06/05/17 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*06/05/17 20:54*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*06/05/17 20:54*	*1*

Client Sample ID: SVE-18

Lab Sample ID: 320-28796-2
Matrix: Air
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
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			06/05/17 21:50	1
Benzene	**0.95**		0.40		ppb v/v			06/05/17 21:50	1
Benzyl chloride	ND		0.80		ppb v/v			06/05/17 21:50	1
Bromodichloromethane	ND		0.30		ppb v/v			06/05/17 21:50	1
Bromoform	ND		0.40		ppb v/v			06/05/17 21:50	1
Bromomethane	ND		0.80		ppb v/v			06/05/17 21:50	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/05/17 21:50	1
Carbon disulfide	**1.3**		0.80		ppb v/v			06/05/17 21:50	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/05/17 21:50	1
Chlorobenzene	ND		0.30		ppb v/v			06/05/17 21:50	1
Dibromochloromethane	ND		0.40		ppb v/v			06/05/17 21:50	1
Chloroethane	ND		0.80		ppb v/v			06/05/17 21:50	1
Chloroform	ND		0.30		ppb v/v			06/05/17 21:50	1
Chloromethane	ND		0.80		ppb v/v			06/05/17 21:50	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/05/17 21:50	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 21:50	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/05/17 21:50	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/05/17 21:50	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/05/17 21:50	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/05/17 21:50	1
cis-1,2-Dichloroethene	**0.91**		0.40		ppb v/v			06/05/17 21:50	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/05/17 21:50	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 21:50	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 21:50	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-18
Date Collected: 06/01/17 14:32
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-2
Matrix: Air

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			06/05/17 21:50	1
Ethylbenzene	ND		0.40		ppb v/v			06/05/17 21:50	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/05/17 21:50	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/05/17 21:50	1
2-Hexanone	ND		0.40		ppb v/v			06/05/17 21:50	1
Methylene Chloride	ND		0.40		ppb v/v			06/05/17 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/05/17 21:50	1
Styrene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/05/17 21:50	1
Tetrachloroethene	ND		0.40		ppb v/v			06/05/17 21:50	1
Toluene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/05/17 21:50	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/05/17 21:50	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/05/17 21:50	1
Trichloroethene	ND		0.40		ppb v/v			06/05/17 21:50	1
1,4-Dioxane	ND		0.80		ppb v/v			06/05/17 21:50	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/05/17 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/05/17 21:50	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/05/17 21:50	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/05/17 21:50	1
Vinyl acetate	ND		0.80		ppb v/v			06/05/17 21:50	1
Vinyl chloride	**0.99**		0.40		ppb v/v			06/05/17 21:50	1
m,p-Xylene	ND		0.80		ppb v/v			06/05/17 21:50	1
o-Xylene	ND		0.40		ppb v/v			06/05/17 21:50	1
Naphthalene	ND		0.80		ppb v/v			06/05/17 21:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/05/17 21:50	1
Benzene	**3.0**		1.3		ug/m3			06/05/17 21:50	1
Benzyl chloride	ND		4.1		ug/m3			06/05/17 21:50	1
Bromodichloromethane	ND		2.0		ug/m3			06/05/17 21:50	1
Bromoform	ND		4.1		ug/m3			06/05/17 21:50	1
Bromomethane	ND		3.1		ug/m3			06/05/17 21:50	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/05/17 21:50	1
Carbon disulfide	**4.2**		2.5		ug/m3			06/05/17 21:50	1
Carbon tetrachloride	ND		5.0		ug/m3			06/05/17 21:50	1
Chlorobenzene	ND		1.4		ug/m3			06/05/17 21:50	1
Dibromochloromethane	ND		3.4		ug/m3			06/05/17 21:50	1
Chloroethane	ND		2.1		ug/m3			06/05/17 21:50	1
Chloroform	ND		1.5		ug/m3			06/05/17 21:50	1
Chloromethane	ND		1.7		ug/m3			06/05/17 21:50	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/05/17 21:50	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 21:50	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 21:50	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 21:50	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/05/17 21:50	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/05/17 21:50	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/05/17 21:50	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/05/17 21:50	1

Client Sample ID: SVE-18 — **Lab Sample ID: 320-28796-2**
Date Collected: 06/01/17 14:32 — **Matrix: Air**
Date Received: 06/03/17 09:04
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	**3.6**		1.6		ug/m3			06/05/17 21:50	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/05/17 21:50	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/05/17 21:50	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 21:50	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 21:50	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/05/17 21:50	1
Ethylbenzene	ND		1.7		ug/m3			06/05/17 21:50	1
4-Ethyltoluene	ND		2.0		ug/m3			06/05/17 21:50	1
Hexachlorobutadiene	ND		21		ug/m3			06/05/17 21:50	1
2-Hexanone	ND		1.6		ug/m3			06/05/17 21:50	1
Methylene Chloride	ND		1.4		ug/m3			06/05/17 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/05/17 21:50	1
Styrene	ND		1.7		ug/m3			06/05/17 21:50	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/05/17 21:50	1
Tetrachloroethene	ND		2.7		ug/m3			06/05/17 21:50	1
Toluene	ND		1.5		ug/m3			06/05/17 21:50	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/05/17 21:50	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/05/17 21:50	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/05/17 21:50	1
Trichloroethene	ND		2.1		ug/m3			06/05/17 21:50	1
1,4-Dioxane	ND		2.9		ug/m3			06/05/17 21:50	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/05/17 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/05/17 21:50	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/05/17 21:50	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/05/17 21:50	1
Vinyl acetate	ND		2.8		ug/m3			06/05/17 21:50	1
Vinyl chloride	**2.5**		1.0		ug/m3			06/05/17 21:50	1
m,p-Xylene	ND		3.5		ug/m3			06/05/17 21:50	1
o-Xylene	ND		1.7		ug/m3			06/05/17 21:50	1
Naphthalene	ND		4.2		ug/m3			06/05/17 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*06/05/17 21:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*06/05/17 21:50*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*06/05/17 21:50*	*1*

Client Sample ID: SVE-16 — **Lab Sample ID: 320-28796-3**
Date Collected: 06/01/17 15:05 — **Matrix: Air**
Date Received: 06/03/17 09:04
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		2000		ppb v/v			06/05/17 22:41	392
Benzene	ND		160		ppb v/v			06/05/17 22:41	392
Benzyl chloride	ND		310		ppb v/v			06/05/17 22:41	392
Bromodichloromethane	ND		120		ppb v/v			06/05/17 22:41	392
Bromoform	ND		160		ppb v/v			06/05/17 22:41	392
Bromomethane	ND		310		ppb v/v			06/05/17 22:41	392

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-16
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		310		ppb v/v			06/05/17 22:41	392
Carbon disulfide	ND		310		ppb v/v			06/05/17 22:41	392
Carbon tetrachloride	ND		310		ppb v/v			06/05/17 22:41	392
Chlorobenzene	ND		120		ppb v/v			06/05/17 22:41	392
Dibromochloromethane	ND		160		ppb v/v			06/05/17 22:41	392
Chloroethane	ND		310		ppb v/v			06/05/17 22:41	392
Chloroform	ND		120		ppb v/v			06/05/17 22:41	392
Chloromethane	ND		310		ppb v/v			06/05/17 22:41	392
1,2-Dibromoethane (EDB)	ND		310		ppb v/v			06/05/17 22:41	392
1,2-Dichlorobenzene	ND		160		ppb v/v			06/05/17 22:41	392
1,3-Dichlorobenzene	ND		160		ppb v/v			06/05/17 22:41	392
1,4-Dichlorobenzene	ND		160		ppb v/v			06/05/17 22:41	392
Dichlorodifluoromethane	ND		160		ppb v/v			06/05/17 22:41	392
1,1-Dichloroethane	ND		120		ppb v/v			06/05/17 22:41	392
1,2-Dichloroethane	ND		310		ppb v/v			06/05/17 22:41	392
1,1-Dichloroethene	ND		310		ppb v/v			06/05/17 22:41	392
cis-1,2-Dichloroethene	**21000**		160		ppb v/v			06/05/17 22:41	392
trans-1,2-Dichloroethene	**5200**		160		ppb v/v			06/05/17 22:41	392
1,2-Dichloropropane	ND		160		ppb v/v			06/05/17 22:41	392
cis-1,3-Dichloropropene	ND		160		ppb v/v			06/05/17 22:41	392
trans-1,3-Dichloropropene	ND		160		ppb v/v			06/05/17 22:41	392
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		160		ppb v/v			06/05/17 22:41	392
Ethylbenzene	ND		160		ppb v/v			06/05/17 22:41	392
4-Ethyltoluene	ND		160		ppb v/v			06/05/17 22:41	392
Hexachlorobutadiene	ND		780		ppb v/v			06/05/17 22:41	392
2-Hexanone	ND		160		ppb v/v			06/05/17 22:41	392
Methylene Chloride	ND		160		ppb v/v			06/05/17 22:41	392
4-Methyl-2-pentanone (MIBK)	ND		160		ppb v/v			06/05/17 22:41	392
Styrene	ND		160		ppb v/v			06/05/17 22:41	392
1,1,2,2-Tetrachloroethane	ND		160		ppb v/v			06/05/17 22:41	392
Tetrachloroethene	ND		160		ppb v/v			06/05/17 22:41	392
Toluene	ND		160		ppb v/v			06/05/17 22:41	392
1,2,4-Trichlorobenzene	ND		780		ppb v/v			06/05/17 22:41	392
1,1,1-Trichloroethane	ND		120		ppb v/v			06/05/17 22:41	392
1,1,2-Trichloroethane	ND		160		ppb v/v			06/05/17 22:41	392
Trichloroethene	ND		160		ppb v/v			06/05/17 22:41	392
1,4-Dioxane	ND		310		ppb v/v			06/05/17 22:41	392
Trichlorofluoromethane	ND		160		ppb v/v			06/05/17 22:41	392
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160		ppb v/v			06/05/17 22:41	392
1,2,4-Trimethylbenzene	ND		310		ppb v/v			06/05/17 22:41	392
1,3,5-Trimethylbenzene	ND		160		ppb v/v			06/05/17 22:41	392
Vinyl acetate	ND		310		ppb v/v			06/05/17 22:41	392
Vinyl chloride	**12000**		160		ppb v/v			06/05/17 22:41	392
m,p-Xylene	ND		310		ppb v/v			06/05/17 22:41	392
o-Xylene	ND		160		ppb v/v			06/05/17 22:41	392
Naphthalene	ND		310		ppb v/v			06/05/17 22:41	392

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		4700		ug/m3			06/05/17 22:41	392

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-16
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		500		ug/m3			06/05/17 22:41	392
Benzyl chloride	ND		1600		ug/m3			06/05/17 22:41	392
Bromodichloromethane	ND		790		ug/m3			06/05/17 22:41	392
Bromoform	ND		1600		ug/m3			06/05/17 22:41	392
Bromomethane	ND		1200		ug/m3			06/05/17 22:41	392
2-Butanone (MEK)	ND		920		ug/m3			06/05/17 22:41	392
Carbon disulfide	ND		980		ug/m3			06/05/17 22:41	392
Carbon tetrachloride	ND		2000		ug/m3			06/05/17 22:41	392
Chlorobenzene	ND		540		ug/m3			06/05/17 22:41	392
Dibromochloromethane	ND		1300		ug/m3			06/05/17 22:41	392
Chloroethane	ND		830		ug/m3			06/05/17 22:41	392
Chloroform	ND		570		ug/m3			06/05/17 22:41	392
Chloromethane	ND		650		ug/m3			06/05/17 22:41	392
1,2-Dibromoethane (EDB)	ND		2400		ug/m3			06/05/17 22:41	392
1,2-Dichlorobenzene	ND		940		ug/m3			06/05/17 22:41	392
1,3-Dichlorobenzene	ND		940		ug/m3			06/05/17 22:41	392
1,4-Dichlorobenzene	ND		940		ug/m3			06/05/17 22:41	392
Dichlorodifluoromethane	ND		780		ug/m3			06/05/17 22:41	392
1,1-Dichloroethane	ND		480		ug/m3			06/05/17 22:41	392
1,2-Dichloroethane	ND		1300		ug/m3			06/05/17 22:41	392
1,1-Dichloroethene	ND		1200		ug/m3			06/05/17 22:41	392
cis-1,2-Dichloroethene	**82000**		620		ug/m3			06/05/17 22:41	392
trans-1,2-Dichloroethene	**21000**		620		ug/m3			06/05/17 22:41	392
1,2-Dichloropropane	ND		720		ug/m3			06/05/17 22:41	392
cis-1,3-Dichloropropene	ND		710		ug/m3			06/05/17 22:41	392
trans-1,3-Dichloropropene	ND		710		ug/m3			06/05/17 22:41	392
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1100		ug/m3			06/05/17 22:41	392
Ethylbenzene	ND		680		ug/m3			06/05/17 22:41	392
4-Ethyltoluene	ND		770		ug/m3			06/05/17 22:41	392
Hexachlorobutadiene	ND		8400		ug/m3			06/05/17 22:41	392
2-Hexanone	ND		640		ug/m3			06/05/17 22:41	392
Methylene Chloride	ND		540		ug/m3			06/05/17 22:41	392
4-Methyl-2-pentanone (MIBK)	ND		640		ug/m3			06/05/17 22:41	392
Styrene	ND		670		ug/m3			06/05/17 22:41	392
1,1,2,2-Tetrachloroethane	ND		1100		ug/m3			06/05/17 22:41	392
Tetrachloroethene	ND		1100		ug/m3			06/05/17 22:41	392
Toluene	ND		590		ug/m3			06/05/17 22:41	392
1,2,4-Trichlorobenzene	ND		5800		ug/m3			06/05/17 22:41	392
1,1,1-Trichloroethane	ND		640		ug/m3			06/05/17 22:41	392
1,1,2-Trichloroethane	ND		860		ug/m3			06/05/17 22:41	392
Trichloroethene	ND		840		ug/m3			06/05/17 22:41	392
1,4-Dioxane	ND		1100		ug/m3			06/05/17 22:41	392
Trichlorofluoromethane	ND		880		ug/m3			06/05/17 22:41	392
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/m3			06/05/17 22:41	392
1,2,4-Trimethylbenzene	ND		1500		ug/m3			06/05/17 22:41	392
1,3,5-Trimethylbenzene	ND		770		ug/m3			06/05/17 22:41	392
Vinyl acetate	ND		1100		ug/m3			06/05/17 22:41	392
Vinyl chloride	**30000**		400		ug/m3			06/05/17 22:41	392

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-16
Date Collected: 06/01/17 15:05
Date Received: 06/03/17 09:04
Sample Container: Summa Canister 1L

Lab Sample ID: 320-28796-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		1400		ug/m3			06/05/17 22:41	392
o-Xylene	ND		680		ug/m3			06/05/17 22:41	392
Naphthalene	ND		1600		ug/m3			06/05/17 22:41	392

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*06/05/17 22:41*	*392*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/05/17 22:41*	*392*
Toluene-d8 (Surr)	*112*		*70 - 130*		*06/05/17 22:41*	*392*

Surrogate Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

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

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
320-28796-1	SVE-12	115	104	111
320-28796-2	SVE-18	112	105	110
320-28796-3	SVE-16	113	101	112
LCS 320-167488/3	Lab Control Sample	116	106	108
LCSD 320-167488/4	Lab Control Sample Dup	117	100	108
MB 320-167488/6	Method Blank	114	106	113

Surrogate Legend

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

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

Lab Sample ID: MB 320-167488/6
Matrix: Air
Analysis Batch: 167488

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			06/05/17 18:05	1
Benzene	ND		0.40		ppb v/v			06/05/17 18:05	1
Benzyl chloride	ND		0.80		ppb v/v			06/05/17 18:05	1
Bromodichloromethane	ND		0.30		ppb v/v			06/05/17 18:05	1
Bromoform	ND		0.40		ppb v/v			06/05/17 18:05	1
Bromomethane	ND		0.80		ppb v/v			06/05/17 18:05	1
2-Butanone (MEK)	ND		0.80		ppb v/v			06/05/17 18:05	1
Carbon disulfide	ND		0.80		ppb v/v			06/05/17 18:05	1
Carbon tetrachloride	ND		0.80		ppb v/v			06/05/17 18:05	1
Chlorobenzene	ND		0.30		ppb v/v			06/05/17 18:05	1
Dibromochloromethane	ND		0.40		ppb v/v			06/05/17 18:05	1
Chloroethane	ND		0.80		ppb v/v			06/05/17 18:05	1
Chloroform	ND		0.30		ppb v/v			06/05/17 18:05	1
Chloromethane	ND		0.80		ppb v/v			06/05/17 18:05	1
1,2-Dibromoethane (EDB)	ND		0.80		ppb v/v			06/05/17 18:05	1
1,2-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,3-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,4-Dichlorobenzene	ND		0.40		ppb v/v			06/05/17 18:05	1
Dichlorodifluoromethane	ND		0.40		ppb v/v			06/05/17 18:05	1
1,1-Dichloroethane	ND		0.30		ppb v/v			06/05/17 18:05	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/05/17 18:05	1
1,1-Dichloroethene	ND		0.80		ppb v/v			06/05/17 18:05	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			06/05/17 18:05	1
trans-1,2-Dichloroethene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,2-Dichloropropane	ND		0.40		ppb v/v			06/05/17 18:05	1
cis-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 18:05	1
trans-1,3-Dichloropropene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40		ppb v/v			06/05/17 18:05	1
Ethylbenzene	ND		0.40		ppb v/v			06/05/17 18:05	1
4-Ethyltoluene	ND		0.40		ppb v/v			06/05/17 18:05	1
Hexachlorobutadiene	ND		2.0		ppb v/v			06/05/17 18:05	1
2-Hexanone	ND		0.40		ppb v/v			06/05/17 18:05	1
Methylene Chloride	ND		0.40		ppb v/v			06/05/17 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		0.40		ppb v/v			06/05/17 18:05	1
Styrene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,1,2,2-Tetrachloroethane	ND		0.40		ppb v/v			06/05/17 18:05	1
Tetrachloroethene	ND		0.40		ppb v/v			06/05/17 18:05	1
Toluene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,2,4-Trichlorobenzene	ND		2.0		ppb v/v			06/05/17 18:05	1
1,1,1-Trichloroethane	ND		0.30		ppb v/v			06/05/17 18:05	1
1,1,2-Trichloroethane	ND		0.40		ppb v/v			06/05/17 18:05	1
Trichloroethene	ND		0.40		ppb v/v			06/05/17 18:05	1
1,4-Dioxane	ND		0.80		ppb v/v			06/05/17 18:05	1
Trichlorofluoromethane	ND		0.40		ppb v/v			06/05/17 18:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40		ppb v/v			06/05/17 18:05	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			06/05/17 18:05	1
1,3,5-Trimethylbenzene	ND		0.40		ppb v/v			06/05/17 18:05	1
Vinyl acetate	ND		0.80		ppb v/v			06/05/17 18:05	1

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

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

Lab Sample ID: MB 320-167488/6
Matrix: Air
Analysis Batch: 167488

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40		ppb v/v			06/05/17 18:05	1
m,p-Xylene	ND		0.80		ppb v/v			06/05/17 18:05	1
o-Xylene	ND		0.40		ppb v/v			06/05/17 18:05	1
Naphthalene	ND		0.80		ppb v/v			06/05/17 18:05	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			06/05/17 18:05	1
Benzene	ND		1.3		ug/m3			06/05/17 18:05	1
Benzyl chloride	ND		4.1		ug/m3			06/05/17 18:05	1
Bromodichloromethane	ND		2.0		ug/m3			06/05/17 18:05	1
Bromoform	ND		4.1		ug/m3			06/05/17 18:05	1
Bromomethane	ND		3.1		ug/m3			06/05/17 18:05	1
2-Butanone (MEK)	ND		2.4		ug/m3			06/05/17 18:05	1
Carbon disulfide	ND		2.5		ug/m3			06/05/17 18:05	1
Carbon tetrachloride	ND		5.0		ug/m3			06/05/17 18:05	1
Chlorobenzene	ND		1.4		ug/m3			06/05/17 18:05	1
Dibromochloromethane	ND		3.4		ug/m3			06/05/17 18:05	1
Chloroethane	ND		2.1		ug/m3			06/05/17 18:05	1
Chloroform	ND		1.5		ug/m3			06/05/17 18:05	1
Chloromethane	ND		1.7		ug/m3			06/05/17 18:05	1
1,2-Dibromoethane (EDB)	ND		6.1		ug/m3			06/05/17 18:05	1
1,2-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 18:05	1
1,3-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 18:05	1
1,4-Dichlorobenzene	ND		2.4		ug/m3			06/05/17 18:05	1
Dichlorodifluoromethane	ND		2.0		ug/m3			06/05/17 18:05	1
1,1-Dichloroethane	ND		1.2		ug/m3			06/05/17 18:05	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/05/17 18:05	1
1,1-Dichloroethene	ND		3.2		ug/m3			06/05/17 18:05	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			06/05/17 18:05	1
trans-1,2-Dichloroethene	ND		1.6		ug/m3			06/05/17 18:05	1
1,2-Dichloropropane	ND		1.8		ug/m3			06/05/17 18:05	1
cis-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 18:05	1
trans-1,3-Dichloropropene	ND		1.8		ug/m3			06/05/17 18:05	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.8		ug/m3			06/05/17 18:05	1
Ethylbenzene	ND		1.7		ug/m3			06/05/17 18:05	1
4-Ethyltoluene	ND		2.0		ug/m3			06/05/17 18:05	1
Hexachlorobutadiene	ND		21		ug/m3			06/05/17 18:05	1
2-Hexanone	ND		1.6		ug/m3			06/05/17 18:05	1
Methylene Chloride	ND		1.4		ug/m3			06/05/17 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		1.6		ug/m3			06/05/17 18:05	1
Styrene	ND		1.7		ug/m3			06/05/17 18:05	1
1,1,2,2-Tetrachloroethane	ND		2.7		ug/m3			06/05/17 18:05	1
Tetrachloroethene	ND		2.7		ug/m3			06/05/17 18:05	1
Toluene	ND		1.5		ug/m3			06/05/17 18:05	1
1,2,4-Trichlorobenzene	ND		15		ug/m3			06/05/17 18:05	1
1,1,1-Trichloroethane	ND		1.6		ug/m3			06/05/17 18:05	1
1,1,2-Trichloroethane	ND		2.2		ug/m3			06/05/17 18:05	1
Trichloroethene	ND		2.1		ug/m3			06/05/17 18:05	1

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

Lab Sample ID: MB 320-167488/6
Matrix: Air
Analysis Batch: 167488

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			06/05/17 18:05	1
Trichlorofluoromethane	ND		2.2		ug/m3			06/05/17 18:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1		ug/m3			06/05/17 18:05	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			06/05/17 18:05	1
1,3,5-Trimethylbenzene	ND		2.0		ug/m3			06/05/17 18:05	1
Vinyl acetate	ND		2.8		ug/m3			06/05/17 18:05	1
Vinyl chloride	ND		1.0		ug/m3			06/05/17 18:05	1
m,p-Xylene	ND		3.5		ug/m3			06/05/17 18:05	1
o-Xylene	ND		1.7		ug/m3			06/05/17 18:05	1
Naphthalene	ND		4.2		ug/m3			06/05/17 18:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*06/05/17 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/05/17 18:05*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*06/05/17 18:05*	*1*

Lab Sample ID: LCS 320-167488/3
Matrix: Air
Analysis Batch: 167488

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	17.5		ppb v/v		87	71 - 131
Benzene	20.0	17.7		ppb v/v		89	68 - 128
Benzyl chloride	20.0	15.5		ppb v/v		77	58 - 120
Bromodichloromethane	20.0	19.1		ppb v/v		96	65 - 130
Bromoform	20.0	19.3		ppb v/v		97	64 - 144
Bromomethane	20.0	19.6		ppb v/v		98	70 - 131
2-Butanone (MEK)	20.0	16.1		ppb v/v		81	71 - 131
Carbon disulfide	20.0	16.7		ppb v/v		84	63 - 123
Carbon tetrachloride	20.0	21.5		ppb v/v		107	67 - 127
Chlorobenzene	20.0	16.7		ppb v/v		83	70 - 132
Dibromochloromethane	20.0	17.6		ppb v/v		88	68 - 128
Chloroethane	20.0	18.7		ppb v/v		94	70 - 131
Chloroform	20.0	18.4		ppb v/v		92	69 - 129
Chloromethane	20.0	19.8		ppb v/v		99	67 - 127
1,2-Dibromoethane (EDB)	20.0	17.5		ppb v/v		87	68 - 131
1,2-Dichlorobenzene	20.0	17.6		ppb v/v		88	73 - 143
1,3-Dichlorobenzene	20.0	17.9		ppb v/v		90	77 - 136
1,4-Dichlorobenzene	20.0	17.8		ppb v/v		89	73 - 143
Dichlorodifluoromethane	20.0	20.5		ppb v/v		103	69 - 129
1,1-Dichloroethane	20.0	17.8		ppb v/v		89	65 - 125
1,2-Dichloroethane	20.0	19.7		ppb v/v		99	71 - 131
1,1-Dichloroethene	20.0	16.8		ppb v/v		84	53 - 128
cis-1,2-Dichloroethene	20.0	18.2		ppb v/v		91	68 - 128
trans-1,2-Dichloroethene	20.0	17.7		ppb v/v		89	70 - 130
1,2-Dichloropropane	20.0	19.8		ppb v/v		99	74 - 128
cis-1,3-Dichloropropene	20.0	20.2		ppb v/v		101	78 - 132
trans-1,3-Dichloropropene	20.0	15.5		ppb v/v		78	56 - 136

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

Lab Sample ID: LCS 320-167488/3
Matrix: Air
Analysis Batch: 167488

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	19.5		ppb v/v		97	64 - 124
Ethylbenzene	20.0	16.6		ppb v/v		83	76 - 136
4-Ethyltoluene	20.0	15.9		ppb v/v		79	62 - 136
Hexachlorobutadiene	20.0	17.9		ppb v/v		89	42 - 150
2-Hexanone	20.0	16.1		ppb v/v		81	70 - 128
Methylene Chloride	20.0	17.0		ppb v/v		85	65 - 125
4-Methyl-2-pentanone (MIBK)	20.0	18.4		ppb v/v		92	73 - 133
Styrene	20.0	17.6		ppb v/v		88	76 - 144
1,1,2,2-Tetrachloroethane	20.0	16.7		ppb v/v		84	75 - 135
Tetrachloroethene	20.0	17.5		ppb v/v		88	56 - 138
Toluene	20.0	18.5		ppb v/v		93	71 - 132
1,2,4-Trichlorobenzene	20.0	17.5		ppb v/v		88	59 - 150
1,1,1-Trichloroethane	20.0	19.7		ppb v/v		99	65 - 124
1,1,2-Trichloroethane	20.0	16.9		ppb v/v		84	71 - 131
Trichloroethene	20.0	19.8		ppb v/v		99	64 - 127
1,4-Dioxane	20.0	20.5		ppb v/v		103	55 - 141
Trichlorofluoromethane	20.0	19.9		ppb v/v		100	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.0		ppb v/v		85	50 - 132
1,2,4-Trimethylbenzene	20.0	18.3		ppb v/v		91	61 - 145
1,3,5-Trimethylbenzene	20.0	16.7		ppb v/v		83	65 - 136
Vinyl acetate	20.0	20.9		ppb v/v		105	77 - 134
Vinyl chloride	20.0	19.0		ppb v/v		95	69 - 129
m,p-Xylene	40.0	33.8		ppb v/v		85	75 - 138
o-Xylene	20.0	17.0		ppb v/v		85	77 - 132
Naphthalene	20.0	15.0		ppb v/v		75	58 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	48	41.6		ug/m3		87	71 - 131
Benzene	64	56.6		ug/m3		89	68 - 128
Benzyl chloride	100	80.2		ug/m3		77	58 - 120
Bromodichloromethane	130	128		ug/m3		96	65 - 130
Bromoform	210	200		ug/m3		97	64 - 144
Bromomethane	78	75.9		ug/m3		98	70 - 131
2-Butanone (MEK)	59	47.6		ug/m3		81	71 - 131
Carbon disulfide	62	52.1		ug/m3		84	63 - 123
Carbon tetrachloride	130	135		ug/m3		107	67 - 127
Chlorobenzene	92	76.9		ug/m3		83	70 - 132
Dibromochloromethane	170	150		ug/m3		88	68 - 128
Chloroethane	53	49.4		ug/m3		94	70 - 131
Chloroform	98	90.0		ug/m3		92	69 - 129
Chloromethane	41	40.8		ug/m3		99	67 - 127
1,2-Dibromoethane (EDB)	150	134		ug/m3		87	68 - 131
1,2-Dichlorobenzene	120	106		ug/m3		88	73 - 143
1,3-Dichlorobenzene	120	108		ug/m3		90	77 - 136
1,4-Dichlorobenzene	120	107		ug/m3		89	73 - 143
Dichlorodifluoromethane	99	102		ug/m3		103	69 - 129
1,1-Dichloroethane	81	72.1		ug/m3		89	65 - 125

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

Lab Sample ID: LCS 320-167488/3
Matrix: Air
Analysis Batch: 167488

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	79.8		ug/m3		99	71 - 131
1,1-Dichloroethene	79	66.6		ug/m3		84	53 - 128
cis-1,2-Dichloroethene	79	72.2		ug/m3		91	68 - 128
trans-1,2-Dichloroethene	79	70.3		ug/m3		89	70 - 130
1,2-Dichloropropane	92	91.6		ug/m3		99	74 - 128
cis-1,3-Dichloropropene	91	91.7		ug/m3		101	78 - 132
trans-1,3-Dichloropropene	91	70.5		ug/m3		78	56 - 136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	140	136		ug/m3		97	64 - 124
Ethylbenzene	87	72.1		ug/m3		83	76 - 136
4-Ethyltoluene	98	78.0		ug/m3		79	62 - 136
Hexachlorobutadiene	210	191		ug/m3		89	42 - 150
2-Hexanone	82	66.0		ug/m3		81	70 - 128
Methylene Chloride	69	58.9		ug/m3		85	65 - 125
4-Methyl-2-pentanone (MIBK)	82	75.2		ug/m3		92	73 - 133
Styrene	85	74.8		ug/m3		88	76 - 144
1,1,2,2-Tetrachloroethane	140	115		ug/m3		84	75 - 135
Tetrachloroethene	140	119		ug/m3		88	56 - 138
Toluene	75	69.9		ug/m3		93	71 - 132
1,2,4-Trichlorobenzene	150	130		ug/m3		88	59 - 150
1,1,1-Trichloroethane	110	108		ug/m3		99	65 - 124
1,1,2-Trichloroethane	110	92.2		ug/m3		84	71 - 131
Trichloroethene	110	107		ug/m3		99	64 - 127
1,4-Dioxane	72	73.9		ug/m3		103	55 - 141
Trichlorofluoromethane	110	112		ug/m3		100	68 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	150	131		ug/m3		85	50 - 132
1,2,4-Trimethylbenzene	98	89.8		ug/m3		91	61 - 145
1,3,5-Trimethylbenzene	98	82.0		ug/m3		83	65 - 136
Vinyl acetate	70	73.7		ug/m3		105	77 - 134
Vinyl chloride	51	48.6		ug/m3		95	69 - 129
m,p-Xylene	170	147		ug/m3		85	75 - 138
o-Xylene	87	73.7		ug/m3		85	77 - 132
Naphthalene	100	78.6		ug/m3		75	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 320-167488/4
Matrix: Air
Analysis Batch: 167488

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	17.4		ppb v/v		87	71 - 131	0	25
Benzene	20.0	17.6		ppb v/v		88	68 - 128	1	25
Benzyl chloride	20.0	15.8		ppb v/v		79	58 - 120	2	25

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

Lab Sample ID: LCSD 320-167488/4
Matrix: Air
Analysis Batch: 167488

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
Bromodichloromethane			20.0	19.0		ppb v/v		95	65 - 130	1	25
Bromoform			20.0	20.0		ppb v/v		100	64 - 144	3	25
Bromomethane			20.0	19.5		ppb v/v		97	70 - 131	0	25
2-Butanone (MEK)			20.0	16.0		ppb v/v		80	71 - 131	1	25
Carbon disulfide			20.0	16.7		ppb v/v		84	63 - 123	0	25
Carbon tetrachloride			20.0	21.1		ppb v/v		105	67 - 127	2	25
Chlorobenzene			20.0	17.3		ppb v/v		87	70 - 132	4	25
Dibromochloromethane			20.0	18.0		ppb v/v		90	68 - 128	3	25
Chloroethane			20.0	18.6		ppb v/v		93	70 - 131	1	25
Chloroform			20.0	18.3		ppb v/v		92	69 - 129	1	25
Chloromethane			20.0	19.1		ppb v/v		96	67 - 127	3	25
1,2-Dibromoethane (EDB)			20.0	17.9		ppb v/v		89	68 - 131	2	25
1,2-Dichlorobenzene			20.0	18.1		ppb v/v		90	73 - 143	3	25
1,3-Dichlorobenzene			20.0	18.4		ppb v/v		92	77 - 136	3	25
1,4-Dichlorobenzene			20.0	18.2		ppb v/v		91	73 - 143	2	25
Dichlorodifluoromethane			20.0	20.1		ppb v/v		100	69 - 129	2	25
1,1-Dichloroethane			20.0	17.6		ppb v/v		88	65 - 125	1	25
1,2-Dichloroethane			20.0	19.4		ppb v/v		97	71 - 131	2	25
1,1-Dichloroethene			20.0	16.6		ppb v/v		83	53 - 128	1	25
cis-1,2-Dichloroethene			20.0	18.2		ppb v/v		91	68 - 128	0	25
trans-1,2-Dichloroethene			20.0	17.8		ppb v/v		89	70 - 130	0	25
1,2-Dichloropropane			20.0	19.3		ppb v/v		96	74 - 128	3	25
cis-1,3-Dichloropropene			20.0	19.9		ppb v/v		100	78 - 132	1	25
trans-1,3-Dichloropropene			20.0	16.2		ppb v/v		81	56 - 136	4	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane			20.0	19.0		ppb v/v		95	64 - 124	3	25
Ethylbenzene			20.0	17.2		ppb v/v		86	76 - 136	4	25
4-Ethyltoluene			20.0	15.9		ppb v/v		80	62 - 136	0	25
Hexachlorobutadiene			20.0	18.3		ppb v/v		91	42 - 150	2	25
2-Hexanone			20.0	16.5		ppb v/v		83	70 - 128	3	25
Methylene Chloride			20.0	16.9		ppb v/v		84	65 - 125	1	25
4-Methyl-2-pentanone (MIBK)			20.0	18.2		ppb v/v		91	73 - 133	1	25
Styrene			20.0	18.1		ppb v/v		90	76 - 144	3	25
1,1,2,2-Tetrachloroethane			20.0	17.2		ppb v/v		86	75 - 135	3	25
Tetrachloroethene			20.0	18.1		ppb v/v		90	56 - 138	3	25
Toluene			20.0	18.5		ppb v/v		93	71 - 132	0	25
1,2,4-Trichlorobenzene			20.0	17.7		ppb v/v		89	59 - 150	1	25
1,1,1-Trichloroethane			20.0	19.6		ppb v/v		98	65 - 124	1	25
1,1,2-Trichloroethane			20.0	17.2		ppb v/v		86	71 - 131	2	25
Trichloroethene			20.0	19.6		ppb v/v		98	64 - 127	1	25
1,4-Dioxane			20.0	20.3		ppb v/v		101	55 - 141	1	25
Trichlorofluoromethane			20.0	19.9		ppb v/v		100	68 - 128	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.1		ppb v/v		86	50 - 132	0	25
1,2,4-Trimethylbenzene			20.0	16.7		ppb v/v		83	61 - 145	9	25
1,3,5-Trimethylbenzene			20.0	17.5		ppb v/v		87	65 - 136	5	25
Vinyl acetate			20.0	20.8		ppb v/v		104	77 - 134	1	25
Vinyl chloride			20.0	18.4		ppb v/v		92	69 - 129	3	25
m,p-Xylene			40.0	35.1		ppb v/v		88	75 - 138	4	25

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

Lab Sample ID: LCSD 320-167488/4
Matrix: Air
Analysis Batch: 167488

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
o-Xylene			20.0	17.5		ppb v/v		87	77 - 132	3	25
Naphthalene			20.0	15.1		ppb v/v		75	58 - 150	1	25
Analyte			**Spike Added**	**LCSD Result**	**LCSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
Acetone			48	41.4		ug/m3		87	71 - 131	0	25
Benzene			64	56.2		ug/m3		88	68 - 128	1	25
Benzyl chloride			100	81.7		ug/m3		79	58 - 120	2	25
Bromodichloromethane			130	128		ug/m3		95	65 - 130	1	25
Bromoform			210	206		ug/m3		100	64 - 144	3	25
Bromomethane			78	75.6		ug/m3		97	70 - 131	0	25
2-Butanone (MEK)			59	47.1		ug/m3		80	71 - 131	1	25
Carbon disulfide			62	52.1		ug/m3		84	63 - 123	0	25
Carbon tetrachloride			130	133		ug/m3		105	67 - 127	2	25
Chlorobenzene			92	79.8		ug/m3		87	70 - 132	4	25
Dibromochloromethane			170	154		ug/m3		90	68 - 128	3	25
Chloroethane			53	49.1		ug/m3		93	70 - 131	1	25
Chloroform			98	89.4		ug/m3		92	69 - 129	1	25
Chloromethane			41	39.5		ug/m3		96	67 - 127	3	25
1,2-Dibromoethane (EDB)			150	137		ug/m3		89	68 - 131	2	25
1,2-Dichlorobenzene			120	109		ug/m3		90	73 - 143	3	25
1,3-Dichlorobenzene			120	111		ug/m3		92	77 - 136	3	25
1,4-Dichlorobenzene			120	110		ug/m3		91	73 - 143	2	25
Dichlorodifluoromethane			99	99.2		ug/m3		100	69 - 129	2	25
1,1-Dichloroethane			81	71.4		ug/m3		88	65 - 125	1	25
1,2-Dichloroethane			81	78.6		ug/m3		97	71 - 131	2	25
1,1-Dichloroethene			79	66.0		ug/m3		83	53 - 128	1	25
cis-1,2-Dichloroethene			79	72.1		ug/m3		91	68 - 128	0	25
trans-1,2-Dichloroethene			79	70.5		ug/m3		89	70 - 130	0	25
1,2-Dichloropropane			92	89.1		ug/m3		96	74 - 128	3	25
cis-1,3-Dichloropropene			91	90.5		ug/m3		100	78 - 132	1	25
trans-1,3-Dichloropropene			91	73.5		ug/m3		81	56 - 136	4	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane			140	133		ug/m3		95	64 - 124	3	25
Ethylbenzene			87	74.7		ug/m3		86	76 - 136	4	25
4-Ethyltoluene			98	78.3		ug/m3		80	62 - 136	0	25
Hexachlorobutadiene			210	195		ug/m3		91	42 - 150	2	25
2-Hexanone			82	67.7		ug/m3		83	70 - 128	3	25
Methylene Chloride			69	58.6		ug/m3		84	65 - 125	1	25
4-Methyl-2-pentanone (MIBK)			82	74.5		ug/m3		91	73 - 133	1	25
Styrene			85	76.9		ug/m3		90	76 - 144	3	25
1,1,2,2-Tetrachloroethane			140	118		ug/m3		86	75 - 135	3	25
Tetrachloroethene			140	123		ug/m3		90	56 - 138	3	25
Toluene			75	69.7		ug/m3		93	71 - 132	0	25
1,2,4-Trichlorobenzene			150	132		ug/m3		89	59 - 150	1	25
1,1,1-Trichloroethane			110	107		ug/m3		98	65 - 124	1	25
1,1,2-Trichloroethane			110	94.1		ug/m3		86	71 - 131	2	25
Trichloroethene			110	106		ug/m3		98	64 - 127	1	25
1,4-Dioxane			72	73.0		ug/m3		101	55 - 141	1	25

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

Lab Sample ID: LCSD 320-167488/4
Matrix: Air
Analysis Batch: 167488

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
Trichlorofluoromethane			110	112		ug/m3		100	68 - 128	0	25
1,1,2-Trichloro-1,2,2-trifluoroethane			150	131		ug/m3		86	50 - 132	0	25
1,2,4-Trimethylbenzene			98	81.9		ug/m3		83	61 - 145	9	25
1,3,5-Trimethylbenzene			98	86.0		ug/m3		87	65 - 136	5	25
Vinyl acetate			70	73.1		ug/m3		104	77 - 134	1	25
Vinyl chloride			51	47.2		ug/m3		92	69 - 129	3	25
m,p-Xylene			170	152		ug/m3		88	75 - 138	4	25
o-Xylene			87	75.9		ug/m3		87	77 - 132	3	25
Naphthalene			100	79.0		ug/m3		75	58 - 150	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

QC Association Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Air - GC/MS VOA

Analysis Batch: 167488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-28796-1	SVE-12	Total/NA	Air	TO-15	
320-28796-2	SVE-18	Total/NA	Air	TO-15	
320-28796-3	SVE-16	Total/NA	Air	TO-15	
MB 320-167488/6	Method Blank	Total/NA	Air	TO-15	
LCS 320-167488/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 320-167488/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Client Sample ID: SVE-12

Lab Sample ID: 320-28796-1

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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	488 mL	250 mL	167488	06/05/17 20:54	SRV	TAL SAC

Client Sample ID: SVE-18

Lab Sample ID: 320-28796-2

Date Collected: 06/01/17 14:32

Matrix: Air

Date Received: 06/03/17 09:04

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	508 mL	250 mL	167488	06/05/17 21:50	SRV	TAL SAC

Client Sample ID: SVE-16

Lab Sample ID: 320-28796-3

Date Collected: 06/01/17 15:05

Matrix: Air

Date Received: 06/03/17 09:04

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		392	1.32 mL	250 mL	167488	06/05/17 22:41	SRV	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Laboratory: TestAmerica Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	4040	01-28-18

Method Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

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

Sample Summary

Client: PES Environmental, Inc.
Project/Site: Anton Emeryville Air

TestAmerica Job ID: 320-28796-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-28796-1	SVE-12	Air	06/01/17 14:32	06/03/17 09:04
320-28796-2	SVE-18	Air	06/01/17 14:32	06/03/17 09:04
320-28796-3	SVE-16	Air	06/01/17 15:05	06/03/17 09:04

PES Environmental, Inc.
Engineering & Environmental Services

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Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

CHAIN OF CUSTODY RECORD

176270

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Biddesari / K. Flory
RECORDER: J Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sediment	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	End Vac	DEPTH IN FEET / Can ID
17	06	01	1425	SVE-2	X									1	-30	-5	0684
			1425	SVE-3	X									1	-28	-5	1027
			1425	SVE-4	X									1	-29	-5	1139
			1425	SVE-5	X									1	-30	-5	0094
			1442	SVE-6	X									1	-30	-5	1203
			1442	SVE-7	X									1	-28	-5	0802
			1441	SVE-8	X									1	-30	-5	0647
			1453	SVE-8-DUP	X									1	-30	-5	0970
			1432	SVE-13	X									1	-30	-5	1595
			1432	SVE-19	X									1	-30	-5	0316
			1432	SVE-12 JMD 6/2/17	X									1	-30	-5	0679
↓	↓	↓	1432	SVE-18	X									1	-30	-5	0910

ANALYSIS REQUESTED

EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	VOCs (Full List) CB	Methane, Ethane/Ethene (TO-15)	48-HR TAT*
								X		
								X		
								X		
								X		
								X		
								X		
								X		
								X		
								X		
								X		
								X		X
								X		X

NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

320-28795 Chain of Custody

Page 1 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) TAMS	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

CHAIN OF CUSTODY RECORD

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalte
JOB NUMBER: 1448.001.01.
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C Bildsson / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sediment	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa			DEPTH IN FEET	Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	VOCs (Full list) CB (Vinyl Chloride 70-45)	48-HR TAT *
17	06	01	1505	SVE-11	X									1			-30	-5	1671								X	
			1505	SVE-17	X									1			-30	-5	0622								X	
			1505	SVE-16	X									1			-30	-5	0801								X	X
			1505	SVE-15	X									1			-30	-5	1109								X	
			1546	SVE-17-DUP	X									1			-28	-5	1028								X	
			1554	SVE-1	X									1			-30	-5	0654								X	
			1604	SVE-10	X									1			-28	-5	1948								X	
			1606	SVE-9	X									1			-30	-4	1645								X	
			1609	SVE-14	X									1			-30	-5	0982								X	
			1700	SVP-1-3.5	X									1			-30	-8	1964								X	
			1700	SVP-2-3.5	X	JOHP 06/01/17								1			-30		0944										
↓	↓	↓	1700	SVP-3-3.5	X									1			-30	-5	1008								X	

NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

Page 2 of 3

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6/2/17	TIME 1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6/2/17	TIME 1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) - TAMS	DATE 6/3/17	TIME 704
RELINQUISHED BY: (Signature)	RECEIVED BY (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

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PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldassari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sediment	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	Seal Vac	DEPTH IN FEET / Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Heavy Chlorides (Ta-5) VOCs (Full list) CB 6-7-17
17	06	01	1700	SVP-4-3.5	X									1	-30	-5	1946 *								X	
↓	↓	↓	1700	SVP-6-3.5	X									1	-30	-5	0769								X	
↓	↓	↓	1719	SVP-4-3.5-Dup	X									1	-30	-5	1792								X	

* Can ID 3400196 5 @ 6-3-17

NOTES

Turn Around Time: Standard TAT

Page 3 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	6/2/17	1245
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	6/2/17	1650
RELINQUISHED BY (Signature) 6/2/17 1650	RECEIVED BY (Signature)	6/3/17	904
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
DISPATCHED BY (Signature) DATE TIME	RECEIVED FOR LAB BY. (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

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PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

176270

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Bildesian / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	End Vac	~~DEPTH IN FEET~~ Can ID	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (TO-15)	48-HR TAT*
17	06	01	1425	SVE-2	X									1	-30	-5	0684									X	
			1425	SVE-3	X									1	-28	-5	1097									X	
			1425	SVE-4	X									1	-29	-5	1139									X	
			1425	SVE-5	X									1	-30	-5	0094									X	
			1442	SVE-6	X									1	-30	-5	1203									X	
			1442	SVE-7	X									1	-28	-5	0802									X	
			1441	SVE-8	X									1	-30	-5	0647									X	
			1453	SVE-8-DUP	X									1	-30	-5	0970									X	
			1432	SVE-13	X									1	-30	-5	1595									X	
			1432	SVE-19	X									1	-30	-5	0316									X	
			1432	SVE-12-* JMD 6/2/17	X									1	-30	-5	0679									X	X
			1432	SVE-18	X									1	-30	-5	0910									X	X

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NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

320-28795 Chain of Custody

Page 1 of 3

6/19/2017

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) TAMS	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01.
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldessari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa			DEPTH IN FEET Can ID	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (TO-15)	48-HR TAT*
17	06	01	1505	SVE-11	X									1	-36	-5	1671									X	
			1505	SVE-17	X									1	-36	-5	0622									X	
			1505	SVE-16	X									1	-30	-5	0808									X	X
			1505	SVE-15	X									1	-36	-5	1109									X	
			1546	SVE-17-DUP	X									1	-28	-5	1028									X	
			1554	SVE-1	X									1	-30	-5	0654									X	
			1604	SVE-10	X									1	-28	-5	1948									X	
			1606	SVE-9	X									1	-30	-4	1645									X	
			1609	SVE-14	X									1	-30	-5	0982									X	
			1700	SVP-1-3.5	X									1	-30	-8	1964									X	
			1700	SVP-2-3.5	X		JMP 06/01/17							1	-30		0948										
			1700	SVP-3-3.5	X									1	-30	-5	1008									X	

Page 32 of 54

NOTES

Turn Around Time: Standard TAT (unless otherwise noted *)

* RUSH 48-HR TAT

Page 2 of 3

6/19/2017

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1650
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature) - TAMS	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Test America
SAMPLERS: J. Phillips, A. Kalter
JOB NUMBER: 1448.001.01
NAME / LOCATION: Anton Emeryville / Emeryville, CA
PROJECT MANAGER: C. Baldassari / K. Flory
RECORDER: J. Phillips

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Summa	Start Vac	End Vac	DEPTH ~~IN FEET~~ Can ID	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Vinyl Chloride (TO-15)
17	06	01	1700	SVP-4-3.5	X									1	-30	-5	1946 *									X
17	06	01	1700	SVP-6-3.5	X									1	-30	-15	0769									X
17	06	01	1719	SVP-4-3.5-DUP	X									1	-30	-5	1792									X

* Can ID 34001965 @ 6-3-17

Page 33 of 54

NOTES

Turn Around Time: Standard TAT

Page 3 of 3

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1245
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/2/17	1630
RELINQUISHED BY: (Signature) 6/2/17 1650	RECEIVED BY: (Signature)	6/3/17	904
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Picked up by lab courier

6/19/2017

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Login Sample Receipt Checklist

Client: PES Environmental, Inc.

Job Number: 320-28796-1

Login Number: 28796
List Number: 1
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/8/17 320-28067

Date of QC: 5/9/2017

Data File Number: C:\MSDCHEM\1\DATA\170509\ ms60509009.d

320-28067 Chain of Custody

CANISTER ID NUMBERS

34000648 *	34000946	
34000808	34000982	
34001097	34000647	
34000684	34001940	
34001203	34000622	
34001139	34001948	
34001108	34001109	
34001792	34001028	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

1st level Reviewed By: _____ Date: 5/11/17

2nd level Reviewed By: _____ Date: 5/18/17

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/12/17 320-28241

Date of QC: 5/16/2017

Data File Number: C:\MSDCHEM\1\DATA\170516\ ms60516 05.d

320-28241 Chain of Custody

CANISTER ID NUMBERS

34000806 *	34001789	
34000654	34001965	
34001621	34000625	
34000802	34000620	
34000316	34001964	
34000910	8518	
34000769	34000679	
34002003	34001030	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

1st level Reviewed By: _____ Date: 5/17/17

2nd level Reviewed By: _____ Date: 5/18/17

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
Canister QC Certification
Batch Certification

Certification Type: TO-15 SCAN

Date Cleaned/Batch ID: 5/24/17 320-28543

Date of QC: 5/25/17

Data File Number: MS6052506

320-28543 Chain of Custody

CANISTER ID NUMBERS

34001957 *	34001724	
34001851	34001873	
34001752	34001711	
34001890	~~3400~~ 34001729 (SS 5/25/17)	
34001904	34001838	
34001858	34001849	
34001688	34001864	
34001733	34001716	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

DN for AP — 1st level Reviewed By: — 5/26/17 — Date:

2nd level Reviewed By: — 6/2/17 — Date:

Q:\FORMS\QA-814 BATCH CAN QC 20130729.DOC
QA-814

ERS 7/29/2013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.21	J	5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28067-1

SDG No.:

Client Sample ID: 34000648 Lab Sample ID: 320-28067-1

Matrix: Air Lab File ID: MS6050909.D

Analysis Method: TO-15 Date Collected: 05/08/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/09/2017 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 163500 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D
Lims ID: 320-28067-A-1
Client ID: 34000648
Sample Type: Client
Inject. Date: 09-May-2017 16:58:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28067-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 10-May-2017 10:03:52 Calib Date: 09-May-2017 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050904.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: phanthasena Date: 10-May-2017 10:03:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.094	13.094	0.000	93	39904	4.00	
* 2 1,4-Difluorobenzene	114	15.242	15.242	0.000	96	149294	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.982	0.006	90	134121	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.305	14.299	0.006	98	76808	4.04	
$ 5 Toluene-d8 (Surr)	100	18.703	18.697	0.006	98	88578	4.10	
$ 6 4-Bromofluorobenzene (Surr	95	24.556	24.556	0.000	87	89516	3.99	
11 Propene	41	4.474	4.492	-0.018	26	183	0.0248	
17 Butane	43	5.283	5.295	-0.012	10	639	0.0336	
32 Acetone	43	8.282	8.264	0.018	49	4244	0.2091	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

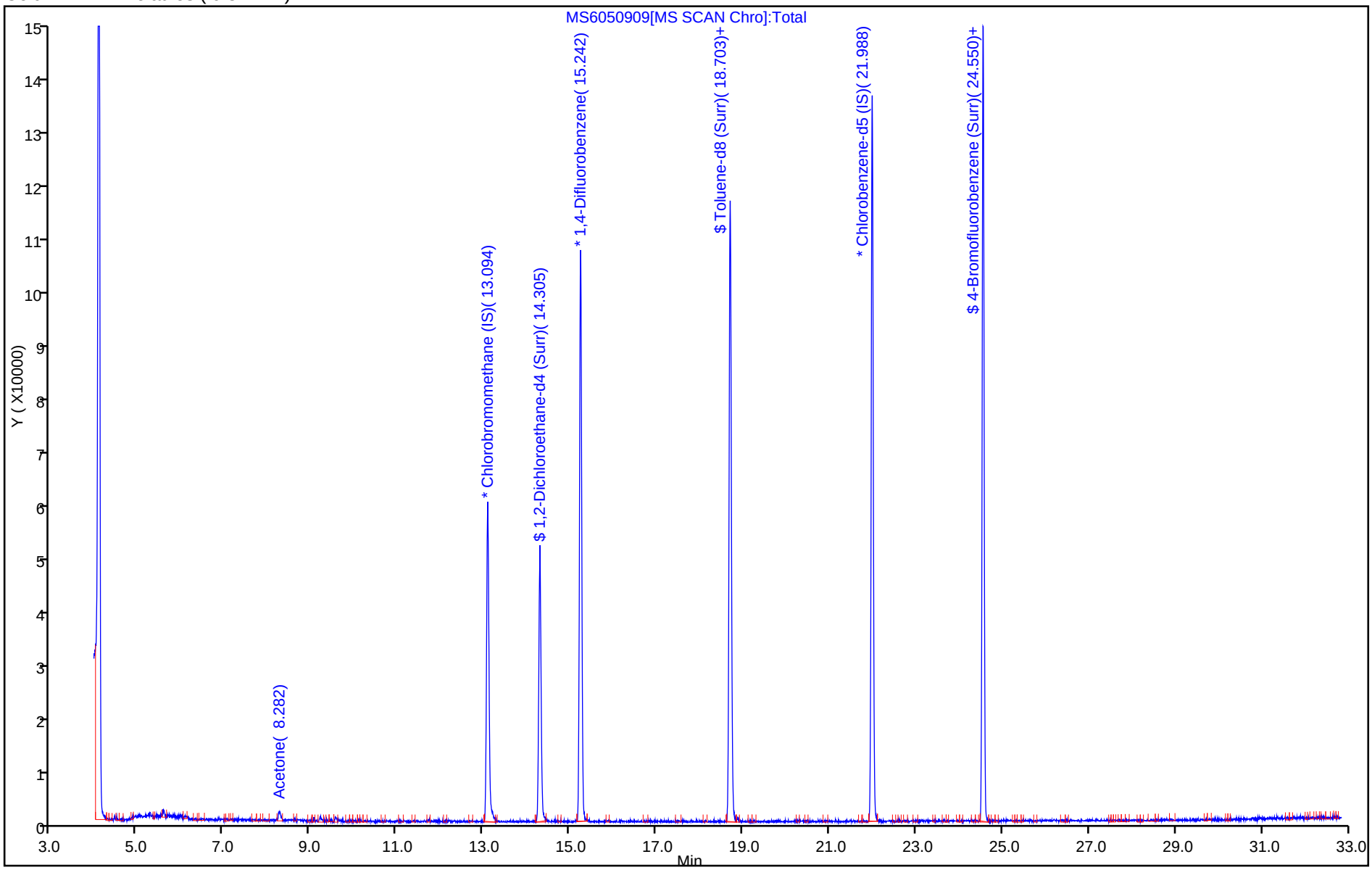
Report Date: 10-May-2017 10:03:53 Chrom Revision: 2.2 08-May-2017 08:06:58

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D

Injection Date:	09-May-2017 16:58:30	Instrument ID:	ATMS6	Operator ID:	LHS
Lims ID:	320-28067-A-1	Lab Sample ID:	320-28067-1	Worklist Smp#:	9
Client ID:	34000648				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

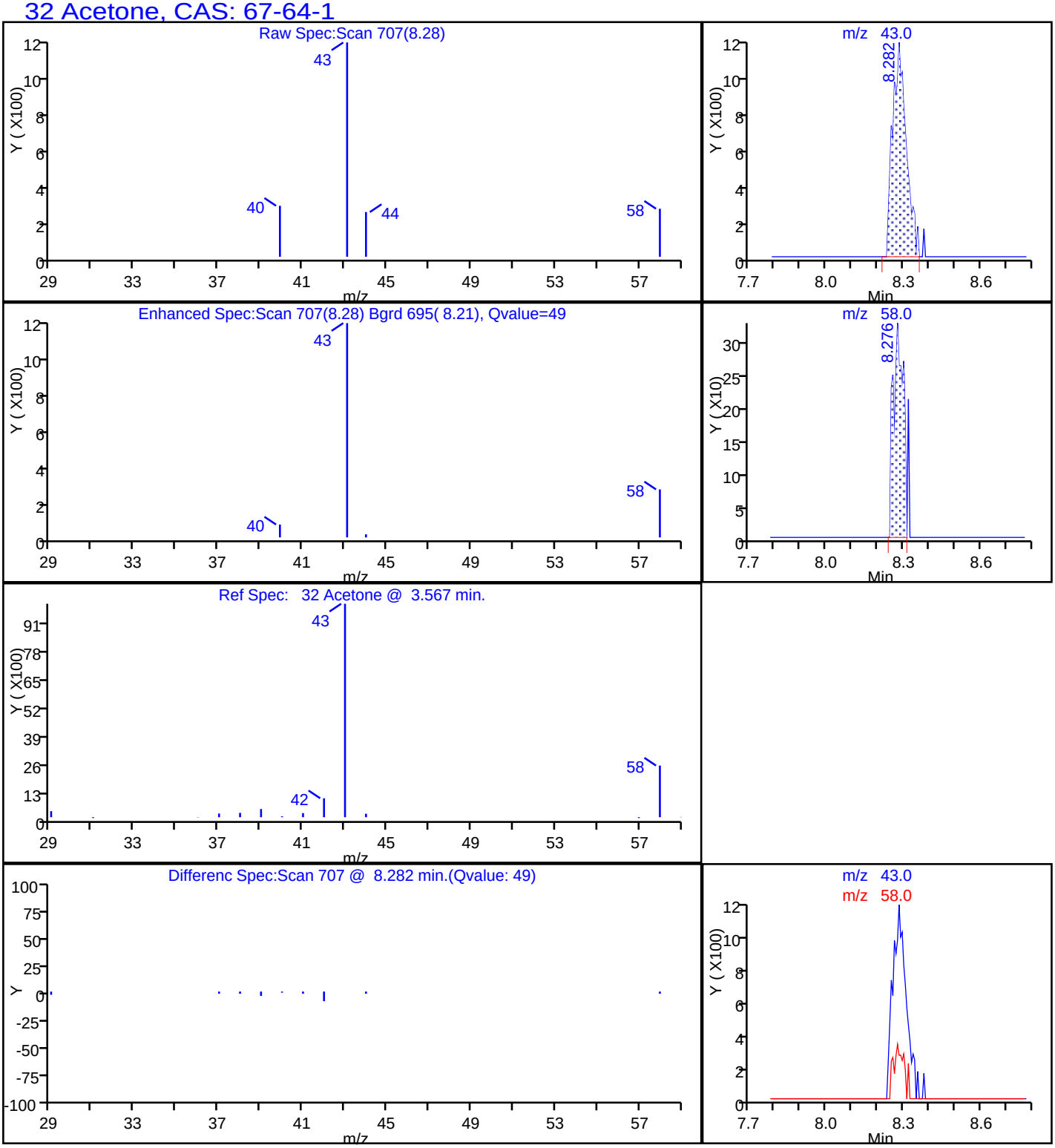
Column: RTX Volatiles (0.32 mm)



TestAmerica Sacramento

Data File:	\\ChromNA\Sacramento\ChromData\ATMS6\20170509-42825.b\MS6050909.D				
Injection Date:	09-May-2017 16:58:30	Instrument ID:	ATMS6		
Lims ID:	320-28067-A-1	Lab Sample ID:	320-28067-1		
Client ID:	34000648				
Operator ID:	LHS	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

32 Acetone, CAS: 67-64-1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28241-1

SDG No.:

Client Sample ID: 34000806 Lab Sample ID: 320-28241-1

Matrix: Air Lab File ID: MS6051605.D

Analysis Method: TO-15 Date Collected: 05/12/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2017 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 164631 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051605.D
Lims ID: 320-28241-A-1
Client ID: 34000806
Sample Type: Client
Inject. Date: 16-May-2017 11:06:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 320-28241-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS6

Method: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\TO15_ATMS6.m
Limit Group: MSA - TO15 - ICAL
Last Update: 17-May-2017 09:45:37 Calib Date: 16-May-2017 08:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051602.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: phanthasena Date: 17-May-2017 09:48:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.094	13.094	0.000	94	43372	4.00	
* 2 1,4-Difluorobenzene	114	15.242	15.242	0.000	96	157030	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.982	0.006	89	138766	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.305	14.299	0.006	99	77943	4.09	
$ 5 Toluene-d8 (Surr)	100	18.697	18.691	0.006	98	92908	3.97	
$ 6 4-Bromofluorobenzene (Surr	95	24.550	24.550	0.000	87	88368	3.73	
11 Propene	41	4.480	4.486	-0.006	26	353	0.0455	
17 Butane	43	5.283	5.295	-0.012	23	943	0.0487	
32 Acetone	43	8.270	8.276	-0.006	41	3028	0.1428	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

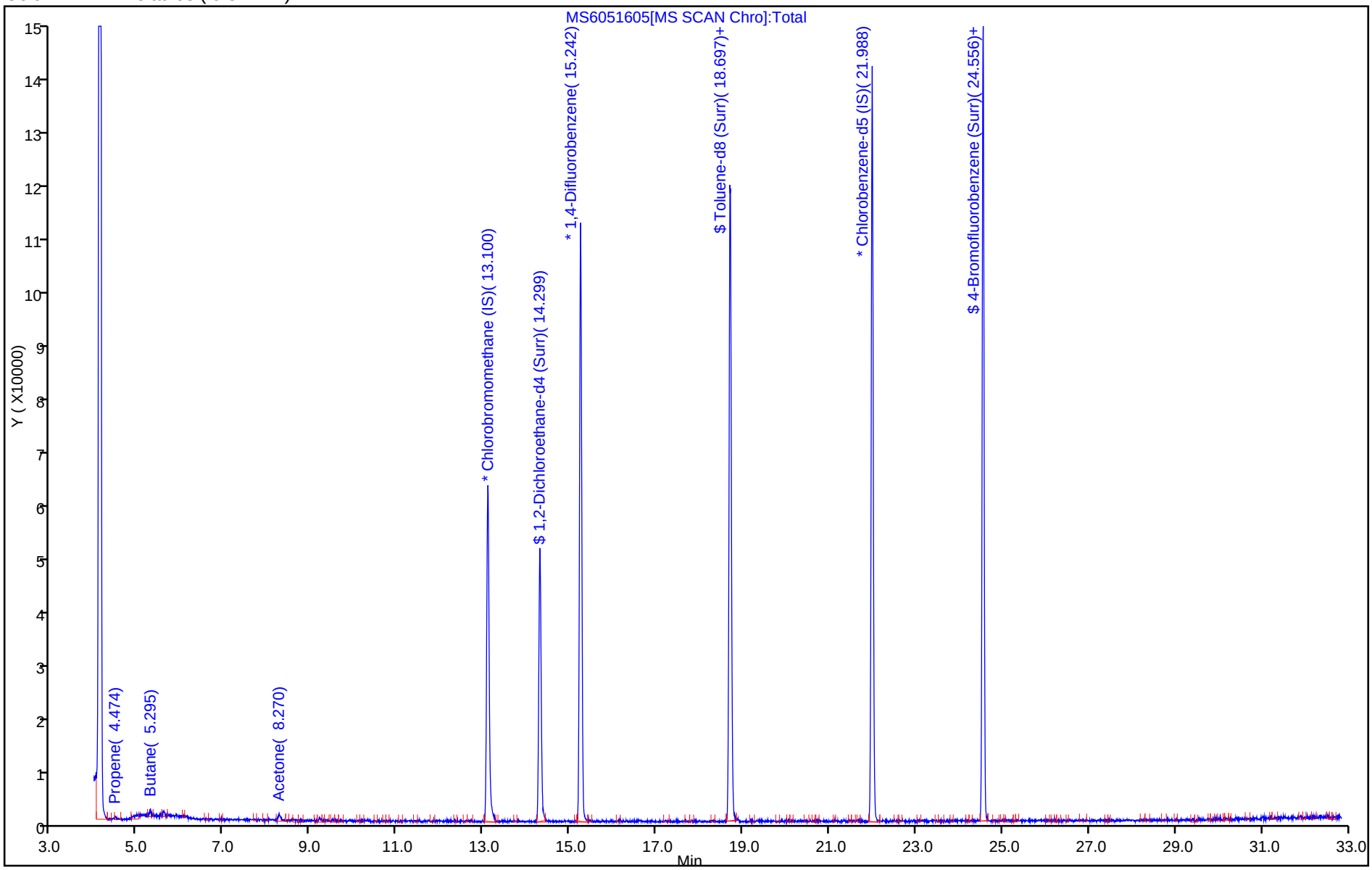
Report Date: 17-May-2017 09:48:11 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170516-43118.b\MS6051605.D

Injection Date:	16-May-2017 11:06:30	Instrument ID:	ATMS6	Operator ID:	LHS
Lims ID:	320-28241-A-1	Lab Sample ID:	320-28241-1	Worklist Smp#:	5
Client ID:	34000806				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28543-1

SDG No.:

Client Sample ID: 34001957 Lab Sample ID: 320-28543-1

Matrix: Air Lab File ID: MS6052506.D

Analysis Method: TO-15 Date Collected: 05/24/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/25/2017 14:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166173 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	ND		0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28543-1

SDG No.:

Client Sample ID: 34001957 Lab Sample ID: 320-28543-1

Matrix: Air Lab File ID: MS6052506.D

Analysis Method: TO-15 Date Collected: 05/24/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/25/2017 14:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166173 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	0.063	J	0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 320-28543-1

SDG No.:

Client Sample ID: 34001957 Lab Sample ID: 320-28543-1

Matrix: Air Lab File ID: MS6052506.D

Analysis Method: TO-15 Date Collected: 05/24/2017 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/25/2017 14:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166173 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Sacramento
Target Compound Quantitation Report

Data File:	\\ChromNA\Sacramento\ChromData\ATMS6\20170525-43500.b\MS6052506.D				
Lims ID:	320-28543-A-1				
Client ID:	34001957				
Sample Type:	Client				
Inject. Date:	25-May-2017 14:53:30	ALS Bottle#:	4	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	320-28543-A-1				
Misc. Info.:	500 CAN CERT				
Operator ID:	SV	Instrument ID:	ATMS6		
Method:	\\ChromNA\Sacramento\ChromData\ATMS6\20170525-43500.b\TO15_ATMS6.m				
Limit Group:	MSA - TO15 - ICAL				
Last Update:	26-May-2017 11:02:18	Calib Date:	25-May-2017 11:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Sacramento\ChromData\ATMS6\20170525-43500.b\MS6052503.D				
Column 1 :	RTX Volatiles (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK009				
First Level Reviewer: phanthasena		Date:	26-May-2017 11:02:18		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	13.106	13.100	0.006	93	28963	4.00	
* 2 1,4-Difluorobenzene	114	15.248	15.242	0.006	95	116892	4.00	
* 3 Chlorobenzene-d5 (IS)	117	21.988	21.988	0.000	90	110878	4.00	
$ 4 1,2-Dichloroethane-d4 (Sur	65	14.305	14.299	0.006	98	57199	4.04	
$ 5 Toluene-d8 (Surr)	100	18.703	18.697	0.006	97	71860	3.90	
$ 6 4-Bromofluorobenzene (Surr	95	24.550	24.556	-0.006	86	83781	4.08	
75 Toluene	91	18.868	18.874	-0.006	11	2051	0.0627	

Reagents:

VAMSIS20_00002 Amount Added: 50.00 Units: mL Run Reagent

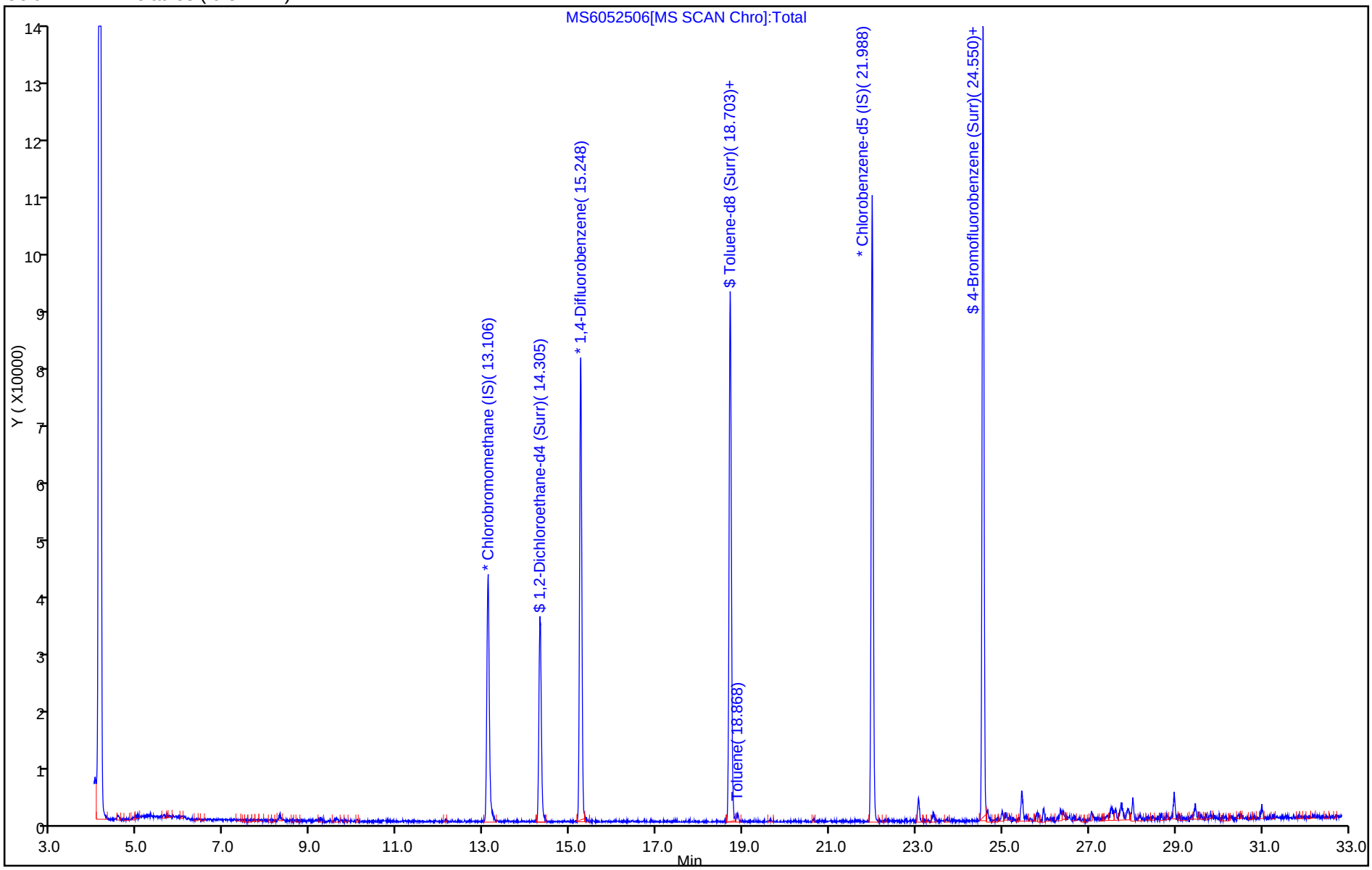
Report Date: 26-May-2017 11:02:19 Chrom Revision: 2.2 19-May-2017 10:18:30

TestAmerica Sacramento

Data File: \\ChromNA\Sacramento\ChromData\ATMS6\20170525-43500.b\MS6052506.D

Injection Date:	25-May-2017 14:53:30	Instrument ID:	ATMS6	Operator ID:	SV
Lims ID:	320-28543-A-1	Lab Sample ID:	320-28543-1	Worklist Smp#:	6
Client ID:	34001957				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		

Column: RTX Volatiles (0.32 mm)



TestAmerica Sacramento

Data File:	\\ChromNA\Sacramento\ChromData\ATMS6\20170525-43500.b\MS6052506.D				
Injection Date:	25-May-2017 14:53:30	Instrument ID:	ATMS6		
Lims ID:	320-28543-A-1	Lab Sample ID:	320-28543-1		
Client ID:	34001957				
Operator ID:	SV	ALS Bottle#:	4	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS6	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

75 Toluene, CAS: 108-88-3