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November 23, 2015

Status Report

Property Identification:
10700 MacArthur Boulevard
Oakland, California 94605

Toxics Case No. RO0002580
AEI Project No.261829

Prepared for:
Mr. John Jay
Jay-Phrase Corporation
10700 MacArthur Boulevard
Oakland, California 94605

Prepared by:
AEI Consultants
2550 Camino Diablo
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(925) 746-6000

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JAY-PHARES CORPORATION

Real Estate Broker's License No. 993880
General Contractor's License No. 841307
www.jayphares.com

November 20, 2015

Jerry Wickham
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Transmittal, Status Report
10700 MacArthur Boulevard, Oakland, California 94605
Toxics Case No. RO0002580

Dear Mr. Wickham:

Enclosed is the *Status Report* prepared at your request for activities at 10700 MacArthur Boulevard in Oakland, California 94605.

On behalf of Macarthur Boulevard Associates, a California Limited Partnership, I declare under penalty of perjury, that the information and/or recommendations contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to contact Mr. Jeremy Smith of AEI Consultants at (925) 746-6028.

Sincerely,

MACARTHUR BOULEVARD ASSOCIATES
(a California limited partnership)

BY: JAY-PHARES CORPORATION
(a California corporation)
Its Management Agent

_____
John Jay, President

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SIGNATURES

This document was prepared by, or under the direction of, the undersigned:

Jeremy Smith
Senior Project Manager

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Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
TRENT A. WEISE
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STATE OF CALIFORNIA

1. Introduction

On behalf of Macarthur Boulevard Associates, a California Limited Partnership, AEI Consultants (AEI) has prepared this status report for the property located at 10700 MacArthur Boulevard in the City of Oakland, Alameda County, California ("the Site"). In a letter dated August 19, 2015, the Alameda County Environmental Health Department (ACEHD) approved AEI's plan to shut down the sub-slab depressurization (SSD) and soil vapor extraction and treatment (SVET) system for 30 days, following which, soil vapor samples would be collected to assess remedial progress following potential rebound of residual volatile organic compounds (VOCs) in soil vapor. This letter describes the completed soil vapor sampling activities and provides our recommendations for actions moving forward to further assess the system effectiveness Site conditions.

2. Site Description and Background

The site is approximately 13.5 acres in size and is currently developed with the Foothill Square Shopping Center. The shopping center consists of five buildings, totaling approximately 155,600 square feet. The area of concern is the former Young's Cleaners, located on the north side of the property.

Figure 1 presents the Site location and vicinity. The site is situated in an urban mixed commercial and residential area of Oakland. Figure 2 presents the site plan of the former Young's Cleaners and the western section of the Foothill Square Shopping Center property.

To date, extensive site assessment activities have been conducted, including the installation of monitoring wells, soil borings, and soil vapor borings, as well as source removal excavation. An approval for pilot study site mitigation activities was obtained from the ACHCSA, and the pilot study activities are currently ongoing. For a complete history of previous site investigation activities, including number of sample locations, mass removal estimates, and a description of the operating SSD/SVET system, please refer to AEI's Interim Remediation Status Report dated June 10, 2015.

3. Vapor Sampling

Soil vapor samples were recently collected to assess remedial progress at the Site. The SVET system commenced operation in March 2014 and operated through October 2015 at which time it was shut down to assess system effectiveness. Following approximately one month of system inactivity soil vapor samples were collected from each of the soil vapor probes on September 28, 2015.

Soil vapor samples were collected using a peristaltic pump which was first connected via clean nylaflo™ tubing to the sample port. A tee fitting was then connected to tubing downstream from the sampling pump. Tubing was then connected to the other two openings in the tee fitting system with one end to the photoionization detector (PID) meter or Tedlar bag, and the other end of the tee routed away from the sampler to be used as pressure relief. Once PID readings stabilized, the PID reading was recorded and a sample was collected by closing the pressure relief tubing, which allowed air to flow into the Tedlar bag. Following sample collection, the SSD and SVET system were turned back on.

The samples were transferred under chain-of-custody documentation to McCampbell Analytical of Pittsburg, California. The vapor samples were analyzed for CVOCs using US EPA Testing Method 8260B.

4. Analytical Results

The following information is a summary of the soil vapor sample analytical test results. Table 1 presents a summary of the soil vapor sample analytical results. Complete results are included in the laboratory analytical report included as Appendix A.

4.1 Sub-Slab Soil Vapor Samples

The results of the sub-slab soil vapor samples can be summarized as follows:

- Tetrachloroethene (PCE) was detected in each of the ten sub-slab vapor samples collected and analyzed at concentrations ranging from 360 micrograms per cubic meter (µg/m^3) in SS-1 to 740 µg/m^3 in SS-7.
- Trichloroethene (TCE) was detected in each of the ten sub-slab vapor samples collected and analyzed at concentrations ranging from 410 µg/m3 in SS-10 to 520 µg/m^3 in SS-9.

The reductions observed in the PCE and TCE concentrations represent one to four orders of magnitude below pre-remedial soil vapor concentrations. Concentrations of cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2 DCE, and vinyl chloride were reduced to below the laboratory detection limit of 250 µg/ m^3.

4.2 Five-Foot Soil Vapor Samples

The results of the five-foot soil vapor samples can be summarized as follows:

- PCE was detected in each of the ten five-foot vapor samples collected and analyzed at concentrations ranging from 14,000 µg/m^3 in VM-3, VM-4, and VM-10 to 32,000 µg/m^3 in VM-9. These concentrations are generally one to two orders of magnitude below pre-remedial concentrations. PCE in VM-2 was reported to increase from below laboratory detection limits to 16,000 µg/m^3.
- TCE was detected in each of the ten five-foot vapor samples collected and analyzed at concentrations ranging from 1,900 µg/m^3 in VM-1 to 7,300 µg/m^3 in VM-5. These concentrations are generally one to three orders of magnitude below pre-remedial concentrations with the exception of VM-2, VM-8, and VM-10 which exhibited increases in TCE. TCE concentrations in these three probes were well below historical high concentrations seen at the site.
- Cis-1,2-DCE was detected in each of the ten five-foot vapor samples collected and analyzed at concentrations ranging from 2,300 µg/m^3 in VM-1 to 12,000 µg/m3 in VM-5. Probes exhibiting a decrease in cis-1,2-DCE are generally one to two orders of magnitude below pre-remedial concentrations. Several of the probes exhibited a slight increase in cis-1,2-DCE concentrations.

- Trans-1,2-DCE was detected in each of the ten five-foot vapor samples collected and analyzed at concentrations ranging from 600 µg/m^3 in VM-1 to 3,400 µg/m^3 in VM-5. These concentrations are generally one to three orders of magnitude below pre-remedial concentrations with the exception of VM-2, VM-8, and VM-10 which exhibited increases in trans-1,2-DCE.
- Vinyl Chloride was detected in two of the ten five foot samples collected and analyzed at a concentration of 320 µg/m^3 in VM-5 and 270 µg/m^3 in VM-9. This represents a decrease of five and three orders of magnitude, respectively.

5. System Update

Details of the active SSD and SVET systems are included in AEI's *Interim Remediation Status Report* dated June 10, 2015. Following the September 28, 2015 sampling activities, the systems were re-started and are currently operational. The following contains details of the current status of the systems.

5.1 SSD System

To date, the SSD system is estimated to have removed approximately 30.8 pounds of PCE. Influent concentrations, while varied, have generally decreased from the initial concentrations of 18,000 µg/m^3 and have stabilized to approximately 2,000 µg/m^3. During the most recent sampling event on October 26. 2015, PCE was not detected above the laboratory detection limit in the influent sample from the SSD system for the first time.

Table 2 presents a summary of SSD system sample results. Table 3 presents the mass removal estimates for the SSDS system. Laboratory analytical reports of the influent sampling are included in Appendix A. Field data sheets are included in Appendix B.

5.2 SVE System

To date, the SVET system is estimated to have removed approximately 73.5 pounds of PCE. Influent concentrations, while varied, have generally decreased from the initial concentrations of 670,000 µg/m^3 and have stabilized to approximately 100,000 µg/m^3. During the most recent sampling event on October 26. 2015, PCE was detected at a concentration of 110,000 µg/m^3.

A summary of SVET system sample results are included in Table 2. Table 4 presents the mass removal estimates for the SVET system. Laboratory analytical reports of the influent sampling are included in Appendix A. Field data sheets are included in Appendix B.

6. Recommendations

As presented above, significant decreases in VOCs concentrations have been achieved through operation of the SSDS and SVET systems. While concentrations have significantly decreased, elevated concentrations do remain. Therefore, AEI recommends continuing system operation for another six months, or through the first quarter 2016.

Following the first quarter 2016, AEI recommends again shutting down the SSD and SVE system and waiting 30 days for the vapor to equilibrate beneath the concrete slab.

After 30 days, AEI recommends collecting soil vapor samples from each of the existing soil vapor monitoring points (SS-1 through SS-10 and VM-1 through VM-10). This data will be compared with the previous data to further evaluate current CVOC concentrations in soil vapor following over one year of remediation.

Due to the significant decrease in several of the borings to below laboratory detection limits, AEI will collect soil vapor samples using one-liter summa canisters and analyze the samples using US EPA Method Testing Method TO-15 to achieve lower detection limits.

Following receipt of the additional data, AEI assess the data and evaluate whether further operation or rebound testing is appropriate.

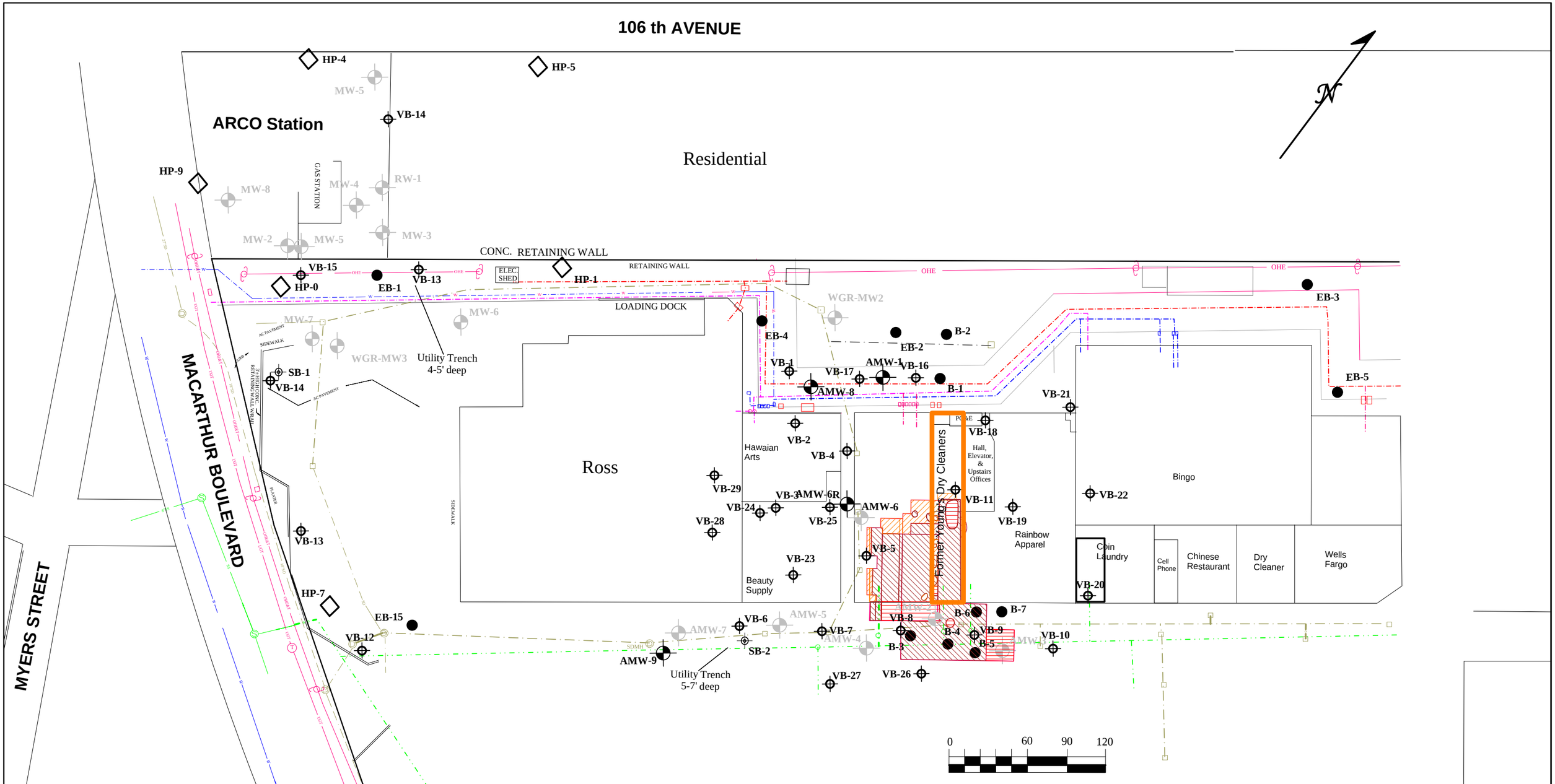
7. REFERENCES

The regulatory record for this Site can be found on the State of California GeoTracker Website at https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL18344764 .

California Department of Toxic Substances Control (DTSC). 2015. *Advisory – Active Soil Gas Investigation*. July. http://www.dtsc.ca.gov/SiteCleanup/upload/VI_ActiveSoilGasAdvisory_FINAL_043012.pdf

FIGURES

AEI Consultants



KEY

- EB-1 — Soil Boring - Kaldveer 1988
- B-1 — Soil Boring - Augeas 1994
- HP-8 — CPT Boring/HydroPunch Sample - PES 1997
- MW4 — Groundwater Monitoring Well
- MW4 — Abandoned Groundwater Monitoring Well
- Soil Vapor Sample
- Soil Boring - AEI 2006

- Excavated to depth of 5 to 7 feet bgs
- Excavated to depth of 8 to 13 feet bgs
- Excavated to depth of 14 to 18 feet bgs

- On Site Storm Drain
- Off Site Storm Drain
- On Site Sanitary Sewer
- Off Site Sanitary Sewer
- On Site Underground Power
- On Site Gas Line

Drafted 6/30/05 - RFF on Dirk Slooten base
Revised 05/15 by J.SMITH

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

SITE PLAN

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 1
PROJECT NO. 261829

PG&E

Hall,
Elevator,
&
Upstairs
Offices

SS/VM-1

SS/VM-2

SS/VM-10

SS/VM-5

SS/VM-9

SS/VM-6

SS/VM-3

SS/VM-8

SS/VM-7

SS/VM-4

KEY

Remediation Sump (2' x 2' x 18")

Vapor Extraction Well

AEI Equipment Room

Former Walls

Conveyance Piping

*All Trenching ~ 18 Inches deep

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

SYSTEM LAYOUT

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 2
PROJECT NO. 261829

TABLES

AEI Consultants

Table 1:
Soil Vapor Sample Analytical Data - Vapor Probes
10700 MacArthur Blvd., Oakland, California

Sample ID	Date	Depth (feet bgs)	PCE µg/m^3	TCE µg/m^3	cis-1,2-DCE µg/m^3	trans-1,2 DCE µg/m^3	Vinyl Chloride µg/m^3
Sub-Slab Vapor Probes							
SS-1	1/6/2014	0.5	1,300,000	440,000	150,000	<50,000	<50,000
	9/28/2015	0.5	360	440	<250	<250	<250
SS-2	1/6/2014	0.5	360	<250	<250	<250	<250
	9/28/2015	0.5	490	480	<250	<250	<250
SS-3	1/6/2014	0.5	88,000	11,000	<2,500	<2,500	<2,500
	9/28/2015	0.5	670	430	<250	<250	<250
SS-4	1/6/2014	0.5	48,000	18,000	9,200	2,300	<1,200
	9/28/2015	0.5	680	510	<250	<250	<250
SS-5	1/6/2014	0.5	130,000	31,000	36,000	7,300	<2,500
	9/28/2015	0.5	530	470	<250	<250	<250
SS-6	1/6/2014	0.5	59,000	7,800	<2,500	<2,500	<2,500
	9/28/2015	0.5	640	420	<250	<250	<250
SS-7	1/6/2014	0.5	120,000	16,000	<2,500	<2,500	<2,500
	9/28/2015	0.5	740	500	<250	<250	<250
SS-8	1/6/2014	0.5	2,000	1,000	2,500	<250	<250
	9/28/2015	0.5	710	510	<250	<250	<250
SS-9	1/6/2014	0.5	6,600,000	2,500,000	1,100,000	180,000	240,000
	9/28/2015	0.5	610	520	<250	<250	<250
SS-10	1/6/2014	0.5	<250	<250	<250	<250	<250
	9/28/2015	0.5	640	410	<250	<250	<250
5' Vapor Probes							
VM-1	1/6/2014	5'	1,300,000	440,000	180,000	<50,000	<50,000
	9/28/2015	5'	16,000	1,900	2,300	600	<250
VM-2	1/6/2014	5'	<250	<250	<250	<250	<250
	9/28/2015	5'	16,000	3,200	3,900	1,000	<250
VM-3	1/6/2014	5'	61,000	10,000	<2,500	<2,500	<2,500
	9/28/2015	5'	14,000	2,200	2,700	770	<250
VM-4	1/6/2014	5'	210,000	86,000	39,000	9,100	<5,000
	9/28/2015	5'	14,000	2,700	3,200	880	<250
VM-5	1/6/2014	5'	1,600,000	5,800,000	8,800,000	2,400,000	18,000,000
	9/28/2015	5'	26,000	7,300	12,000	3,400	320
VM-6	1/6/2014	5'	1,700,000	640,000	250,000	<50,000	<50,000
	9/28/2015	5'	15,000	2,100	2,400	680	<250
VM-7	1/6/2014	5'	120,000	22,000	<2,500	<2,500	<2,500
	9/28/2015	5'	18,000	2,800	3,400	950	<250

Sample ID	Date	Depth (feet bgs)	PCE µg/m^3	TCE µg/m^3	cis-1,2-DCE µg/m^3	trans-1,2 DCE µg/m^3	Vinyl Chloride µg/m^3
VM-8	1/6/2014	5'	12,000	1,700	1,700	<250	<250
	9/28/2015	5'	17,000	2,300	2,700	760	<250
VM-9	1/6/2014	5'	4,300,000	1,800,000	720,000	110,000	130,000
	9/28/2015	5'	32,000	6,800	9,000	2,500	270
VM-10	1/6/2014	5'	470	280	<250	<250	<250
	9/28/2015	5'	14,000	2,000	2,400	650	<250

Notes:
PCE = Tetrachloroethene
TCE = Trichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
µg/m^3 = micrograms per cubic meter
bgs = below ground surface

Table 2:
System Analytical Data Summary
10700 MacArthur Blvd., Oakland, CA

Date	Sub-Slab Depressurization System (SSD) Data						SVE System Data (VE-1)					
	Sample ID	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	**Sample ID**	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)
INFLUENT DATA												
1/13/2014	SSD INF	18	3.6	2.2	0.34	<0.25	SVE-1	670	470	1,500	420	1,900
1/15/2014	SSD INF	17	2.5	1.5	<0.25	<0.25	SVE-1 INF	530	290	760	210	810
3/5/2014	SSD INF	12	2.2	1.3	<0.25	<0.25	SVE-1 INF	690	380	480	130	430
3/20/2014	SSD INF	5.8	0.730	0.330	<0.25	<0.25	SV-1 INF	330	97	120	18	34
4/16/2014	SSD INF	2.5	0.510	0.270	<0.25	<0.25	SV-1 INF	130	45	75	11	10
5/2/2014	SSD INF	1.8	0.320	<0.25	<0.25	<0.25	SV-1 INF	75	25	38	5	<2.5
5/23/2014	SSD INF	2.0	0.270	<0.25	<0.25	<0.25	SV-1 INF	97	38	54	7.2	3.6
7/3/2014	SSD INF	6.5	0.600	<0.25	<0.25	<0.25	SVE INF	110	33	34	5.4	<2.5
8/11/2014	SSD INF	6.0	0.700	0.28	<0.25	<0.25	SVE INF	98	27	28	<5.0	<5.0
9/12/2014	SSD INF	6.1	0.510	<0.25	<0.25	<0.25	SVE INF	130	26	25	3.5	<2.5
10/14/2014	SSD INF	5.4	0.51	<0.25	<0.25	<0.25	SVE INF	91	20	21	3.3	<2.5
11/20/2014	SSD INF	22	1.6	0.71	<0.50	<0.50	SVE INF	81	18	18	2.5	<1.7
12/31/2014	SSD INF	1.0	<0.25	<0.25	<0.25	<0.25	SVE INF	3.1	1.2	1.3	<0.25	<0.25
1/14/2015	SSD INF	0.78	<0.25	<0.25	<0.25	<0.25	SVE INF	82	25	26	4.2	<1.7
2/12/2015	SSD INF	1.6	<0.25	0.30	<0.25	<0.25	SVE INF	77	27	26	4.1	<1.7
3/27/2015	SSD INF	0.79	0.30	0.25	<0.25	<0.25	SVE INF	--	--	--	--	--
4/21/2015	SSD INF	22	1.0	<1.0	<1.0	<1.0	SVE INF	39	<1.7	<1.7	<1.7	<1.7
5/7/2015	SSD INF	26	1.1	<0.25	<0.25	<0.25	SVE INF	81	8.0	0.80	<0.25	<0.25
6/18/2015	SSD INF	4.5	0.34	0.27	<0.25	<0.25	SVE INF	130	<5.0	<5.0	<5.0	<5.0
7/8/2015	SSD INF	0.87	<0.25	<0.25	<0.25	<0.25	SVE INF	250	<5.0	<5.0	<5.0	<5.0
8/27/2015	SSD INF	2.0	0.48	0.36	<0.25	<0.25	SVE INF	190	15	7.1	<5.0	<5.0
10/26/2015	SSD INF	<0.25	<0.25	<0.25	<0.25	<0.25	SVE INF	110	6.7	1.1	<0.25	<0.25
MID CARBON DATA												
1/13/2014	SSD MID	<0.25	<0.25	<0.25	<0.25	<0.25	SVE MID	<0.25	<0.25	<0.25	<0.25	<0.25
3/20/2014	SSD MID	0.290	<0.25	0.650	<0.25	<0.25	SVE MID	<0.5	<0.5	<0.5	<0.5	22
5/23/2014	SSD MID	0.700	0.430	<0.25	<0.25	<0.25	SVE MID	2.6	0.340	<0.25	<0.25	<0.25
MID CARBON #2												
5/23/2014	--	--	--	--	--	--	SVE MID #2	0.37	<0.25	<0.25	<0.25	<0.25
EFFLUENT DATA												
1/13/2014	SSD EFF	<0.25	<0.25	<0.25	<0.25	<0.25	SVE EFF	<0.25	<0.25	<0.25	<0.25	<0.25
3/20/2014	SSD EFF	<0.25	<0.25	<0.25	<0.25	<0.25	SVE EFF	<0.25	<0.25	<0.25	<0.25	<0.25
COMBINED INFLUENT DATA												
7/3/2014	--	<0.25	<0.25	<0.25	<0.25	<0.25						
COMBINED MID DATA												
7/3/2014	--	<0.25	<0.25	<0.25	<0.25	<0.25						

NOTES:

µg/L= micrograms per liter
nm = not measured
PCE = Tetrachloroethene
TCE = Trichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
<0.25 = Less than laboratory reporting limit

Data collected prior to system flow chart modifications; not applicable following changes made on 5/30/14

Table 3:
PCE Mass Removal Estimates - SSD System
10700 MacArthur Blvd, Oakland, California

Sample ID	Date	Notes	Hour Meter	System Runtime (hours)	System Uptime (%)	VFD Setting (Hz)	Applied Vacuum (in-H2O)	Gas Stream Temp (°F)	Total Velocity (fpm)	Total Flow (cfm)	Total Flow (scfm)	PCE Influent (µg/L)	Mass Removal Rate (gm/day)	Mass Removal Rate (kg/day)	Mass Removal Rate (lbs/day)	Cumulative Mass Removed (grams)	Cumulative Mass Removed (kg)	Cumulative Mass Removed (pounds)
INF	01/13/14		0	0	0%	50	20	62	5,000	109	109	18.00	80	0.080	0.176	0	0	0
	01/15/14		48.0	48.0	99%	50	20	65	5,000	109	108	17.00	77	0.077	0.165	155	0.155	0.341
	03/05/14		143.2	95.2	7%	50	18	68	5,000	109	107	12.00	64	0.064	0.116	407	0.407	0.897
	03/20/14		443.3	300.1	82%	50	18	72	5,000	109	107	5.80	39	0.039	0.056	892	0.892	1.967
	04/16/14		1,097.1	653.8	100%	50	18	69	5,000	109	107	2.5	18	0.018	0.024	1,385	1.385	3.053
	05/02/14		1,480.6	383.5	99%	50	16	70	5,000	109	107	1.8	9	0.009	0.017	1,535	1.535	3.384
	05/23/14		1,988.3	507.7	100%	50	16	68	5,000	109	107	2.0	8	0.008	0.019	1,710	1.710	3.771
	07/03/14		2,970.6	982.3	99%	50	10	72	4,000	87	85	6.5	17	0.017	0.050	2,393	2.393	5.276
	08/11/14		3,909.8	939.2	99%	50	10	72	4,000	87	85	6.0	22	0.022	0.046	3,243	3.243	7.150
	09/12/14		4,682.6	772.8	100%	50	10	70	4,000	87	86	6.1	21	0.021	0.047	3,922	3.922	8.646
	10/14/14		5,457.2	774.6	100%	50	10	70	4,000	87	86	5.4	20	0.020	0.042	4,569	4.569	10.073
	11/20/14		6,344.9	887.7	99%	50	10	68	4,000	87	86	22.0	48	0.048	0.170	6,340	6.340	13.978
	12/31/14		7,333.0	988.1	99%	50	10	62	4,000	87	87	1.0	41	0.041	0.008	8,008	8.008	17.654
	01/14/15		7,672.6	339.6	100%	50	10	62	4,000	87	87	0.8	3	0.003	0.006	8,052	8.052	17.752
	02/12/15		8,317.5	644.9	92%	50	10	64	4,000	87	87	1.6	4	0.004	0.012	8,166	8.166	18.002
	03/27/15		9,384.9	1067.4	102%	50	12	68	4,200	92	90	0.8	4	0.004	0.006	8,357	8.357	18.424
	04/21/15		9,995.6	610.7	101%	50	12	62	4,200	92	91	22.0	42	0.042	0.180	9,429	9.429	20.788
	05/07/15		10,412.5	416.9	108%	50	12	68	4,200	92	90	26.0	89	0.089	0.211	10,971	10.971	24.187
	06/18/15		11,448.2	1035.7	102%	50	12	68	4,200	92	90	4.5	56	0.056	0.036	13,391	13.391	29.521
	07/08/15		11,933.1	484.9	100%	50	12	68	4,200	92	90	0.9	10	0.010	0.007	13,590	13.590	29.961
	08/27/15		13,172.4	1239.3	102%	50	12	78	4,200	92	88	2.0	5	0.005	0.016	13,860	13.860	30.556
	10/26/15		13,859.9	687.5	47%	50	12	68	4,200	92	90	0.1	4	0.004	0.001	13,971	13.971	30.800

NOTES:

in-H2O = inches of water column (gauge pressure)
°F = degrees Fahrenheit
fpm = actual feet per minute
cfm = actual cubic feet per minute
scfm = standard cubic feet per minute
µg/L = micrograms per Liter of air
gm/day = grams per day
kg/day = kilograms per day
lbs/day = pounds per day
PCE = Tetrachloroethene
Cross Sectional Area of 2" Pipe = 0.0218
Total Flow = Total Velocty * Cross Sectional Area of 2" Pipe
SCFM = ACFM*(520°F / (460°F + Outlet Temp))

Mass Removal Rate (grams/day) = (57 µg/L)*(103 scfm)*(10^-6 g/µg)*(1440 min/day)*(28.317 L/ft^3) = 239 gm/day
Mass Removal Rate (lbs/day) = (57 µg/L)*(103 scfm)*(1 lb/453.6g)*(10^-6 g/µg)*(1440 min/day)*(28.317 L/ft^3) = 0.5271 lbs/day

Mass Removal Rate estimates assume negligible change in air density, constant concentration and average molecular weight

1 mole occupies 22.4 Liters at STP
STP is 21°C and 1 atm
MW_{PCE} = 165.85 grams/mole

1 day = 1440 minutes
1ft^3 = 28.317 Liters
1 lb = 453.6 grams

1 kg = 1,000 grams
1 U.S. gallon = 128 fluid ounces
1 U.S. gallon PCE ~ 13.8 pounds

***Note: lab data shown in black; correlated PID data shown in green (as applicable)**

For the "Cumulative Mass Removed" estimates, the average concentration, the average flow rate, and system runtime between sampling dates was used
System runtime is defined as the actual hours of operation between sampling dates

Table 4:
PCE Mass Removal Estimates - SVE System
10700 MacArthur Blvd, Oakland, California

Sample ID	Date	Notes	Hour Meter	System Runtime (hours)	System Uptime (%)	VFD Setting (Hz)	Applied Vacuum (in-H2O)	Gas Stream Temp (°F)	Total Velocity (fpm)	Total Flow (cfm)	Total Flow (scfm)	PCE Influent (µg/L)	Mass Removal Rate (gm/day)	Mass Removal Rate (kg/day)	Mass Removal Rate (lbs/day)	Cumulative Mass Removed (grams)	Cumulative Mass Removed (kg)	Cumulative Mass Removed (pounds)
INF	01/13/14		0	0	0%	60	37	60	100	2	2	670	60	0.060	0.131	0	0	0
	01/15/14		50.0	50.0	103%	60	37	65	100	2	2	530	53	0.053	0.103	111	0.111	0.244
	03/05/14		143.2	93.2	7%	50	105	66	900	20	19	690	268	0.268	1.203	1,152	1.152	2.539
	03/20/14		444.5	301.3	83%	50	105	72	900	20	19	330	401	0.401	0.569	6,187	6.187	13.640
	04/16/14		931.6	487.1	74%	50	135	68	600	13	13	130	150	0.150	0.151	9,238	9.238	20.366
	05/02/14		1315.5	383.9	99%	50	140	70	550	12	12	75	52	0.052	0.079	10,062	10.062	22.183
	05/23/14		1823.6	508.1	100%	50	150	68	550	12	12	97	41	0.041	0.103	10,937	10.937	24.112
	07/03/14		2806.7	983.1	99%	50	145	72	500	11	11	110	47	0.047	0.105	12,879	12.879	28.392
	08/11/14		3746.6	939.9	99%	50	145	72	500	11	11	98	45	0.045	0.094	14,648	14.648	32.293
	09/12/14		4520.1	773.5	100%	50	145	72	500	11	11	130	50	0.050	0.125	16,244	16.244	35.812
	10/14/14		5293.1	773.0	100%	50	145	70	500	11	11	91	48	0.048	0.087	17,793	17.793	39.227
	11/20/14		6183.8	890.7	99%	50	145	68	500	11	11	81	38	0.038	0.078	19,188	19.188	42.301
	12/31/14		7172.6	988.8	99%	50	145	54	500	11	11	3	19	0.019	0.003	19,956	19.956	43.996
	01/14/15		7512.5	339.9	100%	50	145	58	500	11	11	82	19	0.019	0.081	20,226	20.226	44.591
	02/12/15		8187.9	675.4	96%	50	145	60	500	11	11	77	35	0.035	0.075	21,223	21.223	46.787
	04/21/15		9297.4	1109.5	67%	50	145	60	500	11	11	39	26	0.026	0.038	22,414	22.414	49.415
	05/07/15		9667.1	369.7	95%	50	145	68	500	11	11	81	26	0.026	0.078	22,822	22.822	50.313
	06/18/15		10706.3	1039.2	102%	50	145	60	500	11	11	130	47	0.047	0.127	24,837	24.837	54.756
	07/08/15		11192.3	486.0	100%	50	145	60	500	11	11	250	84	0.084	0.245	26,547	26.547	58.526
	08/27/15		12434.7	1242.4	103%	50	145	86	500	11	10	190	95	0.095	0.177	31,489	31.489	69.419
	10/26/15		13124.1	689.4	47%	50	145	67	500	11	11	110	65	0.065	0.106	33,345	33.345	73.512

NOTES:

in-H2O = inches of water column (gauge pressure)
°F = degrees Fahrenheit
fpm = actual feet per minute
cfm = actual cubic feet per minute
scfm = standard cubic feet per minute
µg/L = micrograms per Liter of air
gm/day = grams per day
kg/day = kilograms per day
lbs/day = pounds per day
PCE = Tetrachloroethene
Cross Sectional Area of 2" Pipe = 0.0218
Total Flow = Total Velocty * Cross Sectional Area of 2" Pipe
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Mass Removal Rate (grams/day) = (57 µg/L)*(103 scfm)*(10^-6 g/µg)*(1440 min/day)*(28.317 L/ft^3) = 239 gm/day
Mass Removal Rate (lbs/day) = (57 µg/L)*(103 scfm)*(1 lb/453.6g)*(10^-6 g/µg)*(1440 min/day)*(28.317 L/ft^3) = 0.5271 lbs/day

Mass Removal Rate estimates assume negligible change in air density, constant concentration and average molecular weight

1 mole occupies 22.4 Liters at STP
STP is 21°C and 1 atm
MW_{PCE} = 165.85 grams/mole

1 day = 1440 minutes
1ft^3 = 28.317 Liters
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1 kg = 1,000 grams
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***Note: lab data shown in black; correlated PID data shown in green (as applicable)**

For the "Cumulative Mass Removed" estimates, the average concentration, the average flow rate, and system runtime between sampling dates was used
System runtime is defined as the actual hours of operation between sampling dates

APPENDIX A

Laboratory Analytical Reports

AEI Consultants

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1509A76

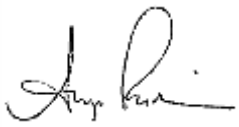
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.:
Project Name: 261829; Foothill Square

Project Received: 09/28/2015

Analytical Report reviewed & approved for release on 10/02/2015 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 261829; Foothill Square
WorkOrder: 1509A76

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	samples were analyzed out of holding time

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-1	1509A76-001A	Air	09/28/2015 09:30	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 17:34
Bromochloromethane	ND	H	0.25	1	09/29/2015 17:34
Bromodichloromethane	ND	H	0.25	1	09/29/2015 17:34
Bromoform	ND	H	0.25	1	09/29/2015 17:34
Bromomethane	ND	H	0.25	1	09/29/2015 17:34
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 17:34
Chlorobenzene	ND	H	0.25	1	09/29/2015 17:34
Chloroethane	ND	H	0.25	1	09/29/2015 17:34
Chloroform	**0.49**	H	0.25	1	09/29/2015 17:34
Chloromethane	ND	H	0.25	1	09/29/2015 17:34
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 17:34
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 17:34
Dibromochloromethane	ND	H	0.25	1	09/29/2015 17:34
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 17:34
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 17:34
Dibromomethane	ND	H	0.25	1	09/29/2015 17:34
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 17:34
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 17:34
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 17:34
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 17:34
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 17:34
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 17:34
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 17:34
cis-1,2-Dichloroethene	**2.3**	H	0.25	1	09/29/2015 17:34
trans-1,2-Dichloroethene	**0.60**	H	0.25	1	09/29/2015 17:34
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 17:34
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 17:34
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 17:34
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 17:34
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 17:34
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 17:34
Freon 113	ND	H	0.25	1	09/29/2015 17:34
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 17:34
Hexachloroethane	ND	H	0.25	1	09/29/2015 17:34
Methylene chloride	ND	H	0.25	1	09/29/2015 17:34
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 17:34
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 17:34

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-1	1509A76-001A	Air	09/28/2015 09:30	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**16**	H	0.25	1	09/29/2015 17:34
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 17:34
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 17:34
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 17:34
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 17:34
Trichloroethene	**1.9**	H	0.25	1	09/29/2015 17:34
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 17:34
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 17:34
Vinyl Chloride	ND	H	0.25	1	09/29/2015 17:34

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	09/29/2015 17:34
Toluene-d8	105	H	70-130	09/29/2015 17:34
4-BFB	102	H	70-130	09/29/2015 17:34

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-2	1509A76-002A	Air	09/28/2015 09:50	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 21:26
Bromochloromethane	ND	H	0.25	1	09/29/2015 21:26
Bromodichloromethane	ND	H	0.25	1	09/29/2015 21:26
Bromoform	ND	H	0.25	1	09/29/2015 21:26
Bromomethane	ND	H	0.25	1	09/29/2015 21:26
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 21:26
Chlorobenzene	ND	H	0.25	1	09/29/2015 21:26
Chloroethane	ND	H	0.25	1	09/29/2015 21:26
Chloroform	**0.84**	H	0.25	1	09/29/2015 21:26
Chloromethane	ND	H	0.25	1	09/29/2015 21:26
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 21:26
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 21:26
Dibromochloromethane	ND	H	0.25	1	09/29/2015 21:26
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 21:26
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 21:26
Dibromomethane	ND	H	0.25	1	09/29/2015 21:26
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 21:26
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 21:26
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 21:26
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 21:26
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 21:26
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 21:26
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 21:26
cis-1,2-Dichloroethene	**3.9**	H	0.25	1	09/29/2015 21:26
trans-1,2-Dichloroethene	**1.0**	H	0.25	1	09/29/2015 21:26
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 21:26
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 21:26
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 21:26
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 21:26
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 21:26
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 21:26
Freon 113	ND	H	0.25	1	09/29/2015 21:26
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 21:26
Hexachloroethane	ND	H	0.25	1	09/29/2015 21:26
Methylene chloride	ND	H	0.25	1	09/29/2015 21:26
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 21:26
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 21:26

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-2	1509A76-002A	Air	09/28/2015 09:50	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**16**	H	1.0	4	09/30/2015 15:57
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 21:26
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 21:26
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 21:26
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 21:26
Trichloroethene	**3.2**	H	0.25	1	09/29/2015 21:26
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 21:26
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 21:26
Vinyl Chloride	ND	H	0.25	1	09/29/2015 21:26

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	116	H	70-130	09/29/2015 21:26
Toluene-d8	106	H	70-130	09/29/2015 21:26
4-BFB	107	H	70-130	09/29/2015 21:26

Analyst(s): AK

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-3	1509A76-003A	Air	09/28/2015 11:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 14:14
Bromochloromethane	ND	H	0.25	1	09/30/2015 14:14
Bromodichloromethane	ND	H	0.25	1	09/30/2015 14:14
Bromoform	ND	H	0.25	1	09/30/2015 14:14
Bromomethane	ND	H	0.25	1	09/30/2015 14:14
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 14:14
Chlorobenzene	ND	H	0.25	1	09/30/2015 14:14
Chloroethane	ND	H	0.25	1	09/30/2015 14:14
Chloroform	**0.56**	H	0.25	1	09/30/2015 14:14
Chloromethane	ND	H	0.25	1	09/30/2015 14:14
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 14:14
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 14:14
Dibromochloromethane	ND	H	0.25	1	09/30/2015 14:14
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 14:14
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 14:14
Dibromomethane	ND	H	0.25	1	09/30/2015 14:14
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:14
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:14
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:14
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 14:14
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 14:14
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 14:14
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 14:14
cis-1,2-Dichloroethene	**2.7**	H	0.25	1	09/30/2015 14:14
trans-1,2-Dichloroethene	**0.77**	H	0.25	1	09/30/2015 14:14
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 14:14
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 14:14
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 14:14
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 14:14
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 14:14
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 14:14
Freon 113	ND	H	0.25	1	09/30/2015 14:14
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 14:14
Hexachloroethane	ND	H	0.25	1	09/30/2015 14:14
Methylene chloride	ND	H	0.25	1	09/30/2015 14:14
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 14:14
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 14:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-3	1509A76-003A	Air	09/28/2015 11:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14**	H	0.25	1	09/30/2015 14:14
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 14:14
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 14:14
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 14:14
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 14:14
Trichloroethene	**2.2**	H	0.25	1	09/30/2015 14:14
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 14:14
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 14:14
Vinyl Chloride	ND	H	0.25	1	09/30/2015 14:14

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 14:14
Toluene-d8	107	H	70-130	09/30/2015 14:14
4-BFB	105	H	70-130	09/30/2015 14:14

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-4	1509A76-004A	Air	09/28/2015 11:55	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 11:00
Bromochloromethane	ND	H	0.25	1	09/29/2015 11:00
Bromodichloromethane	ND	H	0.25	1	09/29/2015 11:00
Bromoform	ND	H	0.25	1	09/29/2015 11:00
Bromomethane	ND	H	0.25	1	09/29/2015 11:00
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 11:00
Chlorobenzene	ND	H	0.25	1	09/29/2015 11:00
Chloroethane	ND	H	0.25	1	09/29/2015 11:00
Chloroform	**0.65**	H	0.25	1	09/29/2015 11:00
Chloromethane	ND	H	0.25	1	09/29/2015 11:00
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 11:00
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 11:00
Dibromochloromethane	ND	H	0.25	1	09/29/2015 11:00
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 11:00
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 11:00
Dibromomethane	ND	H	0.25	1	09/29/2015 11:00
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:00
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:00
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:00
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 11:00
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 11:00
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 11:00
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 11:00
cis-1,2-Dichloroethene	**3.2**	H	0.25	1	09/29/2015 11:00
trans-1,2-Dichloroethene	**0.88**	H	0.25	1	09/29/2015 11:00
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 11:00
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 11:00
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 11:00
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 11:00
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 11:00
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 11:00
Freon 113	ND	H	0.25	1	09/29/2015 11:00
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 11:00
Hexachloroethane	ND	H	0.25	1	09/29/2015 11:00
Methylene chloride	ND	H	0.25	1	09/29/2015 11:00
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 11:00
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 11:00

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-4	1509A76-004A	Air	09/28/2015 11:55	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14**	H	0.50	2	09/29/2015 17:19
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 11:00
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 11:00
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 11:00
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 11:00
Trichloroethene	**2.7**	H	0.25	1	09/29/2015 11:00
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 11:00
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 11:00
Vinyl Chloride	ND	H	0.25	1	09/29/2015 11:00

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	112	H	70-130	09/29/2015 11:00
Toluene-d8	106	H	70-130	09/29/2015 11:00
4-BFB	108	H	70-130	09/29/2015 11:00

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-5	1509A76-005A	Air	09/28/2015 10:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 14:15
Bromochloromethane	ND	H	0.25	1	09/29/2015 14:15
Bromodichloromethane	ND	H	0.25	1	09/29/2015 14:15
Bromoform	ND	H	0.25	1	09/29/2015 14:15
Bromomethane	ND	H	0.25	1	09/29/2015 14:15
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 14:15
Chlorobenzene	ND	H	0.25	1	09/29/2015 14:15
Chloroethane	ND	H	0.25	1	09/29/2015 14:15
Chloroform	**1.8**	H	0.25	1	09/29/2015 14:15
Chloromethane	ND	H	0.25	1	09/29/2015 14:15
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 14:15
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 14:15
Dibromochloromethane	ND	H	0.25	1	09/29/2015 14:15
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 14:15
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 14:15
Dibromomethane	ND	H	0.25	1	09/29/2015 14:15
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:15
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:15
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:15
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 14:15
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 14:15
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 14:15
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 14:15
cis-1,2-Dichloroethene	**12**	H	0.25	1	09/29/2015 14:15
trans-1,2-Dichloroethene	**3.4**	H	0.25	1	09/29/2015 14:15
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 14:15
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 14:15
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 14:15
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 14:15
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 14:15
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 14:15
Freon 113	ND	H	0.25	1	09/29/2015 14:15
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 14:15
Hexachloroethane	ND	H	0.25	1	09/29/2015 14:15
Methylene chloride	ND	H	0.25	1	09/29/2015 14:15
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 14:15
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 14:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-5	1509A76-005A	Air	09/28/2015 10:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**26**	H	1.0	4	09/30/2015 15:10
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 14:15
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 14:15
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 14:15
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 14:15
Trichloroethene	**7.3**	H	0.25	1	09/29/2015 14:15
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 14:15
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 14:15
Vinyl Chloride	**0.32**	H	0.25	1	09/29/2015 14:15

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 14:15
Toluene-d8	107	H	70-130	09/29/2015 14:15
4-BFB	104	H	70-130	09/29/2015 14:15

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-6	1509A76-006A	Air	09/28/2015 10:40	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 14:52
Bromochloromethane	ND	H	0.25	1	09/30/2015 14:52
Bromodichloromethane	ND	H	0.25	1	09/30/2015 14:52
Bromoform	ND	H	0.25	1	09/30/2015 14:52
Bromomethane	ND	H	0.25	1	09/30/2015 14:52
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 14:52
Chlorobenzene	ND	H	0.25	1	09/30/2015 14:52
Chloroethane	ND	H	0.25	1	09/30/2015 14:52
Chloroform	**0.51**	H	0.25	1	09/30/2015 14:52
Chloromethane	ND	H	0.25	1	09/30/2015 14:52
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 14:52
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 14:52
Dibromochloromethane	ND	H	0.25	1	09/30/2015 14:52
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 14:52
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 14:52
Dibromomethane	ND	H	0.25	1	09/30/2015 14:52
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:52
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:52
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 14:52
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 14:52
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 14:52
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 14:52
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 14:52
cis-1,2-Dichloroethene	**2.4**	H	0.25	1	09/30/2015 14:52
trans-1,2-Dichloroethene	**0.68**	H	0.25	1	09/30/2015 14:52
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 14:52
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 14:52
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 14:52
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 14:52
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 14:52
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 14:52
Freon 113	ND	H	0.25	1	09/30/2015 14:52
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 14:52
Hexachloroethane	ND	H	0.25	1	09/30/2015 14:52
Methylene chloride	ND	H	0.25	1	09/30/2015 14:52
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 14:52
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 14:52

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-6	1509A76-006A	Air	09/28/2015 10:40	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**15**	H	0.25	1	09/30/2015 14:52
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 14:52
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 14:52
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 14:52
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 14:52
Trichloroethene	**2.1**	H	0.25	1	09/30/2015 14:52
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 14:52
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 14:52
Vinyl Chloride	ND	H	0.25	1	09/30/2015 14:52

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 14:52
Toluene-d8	106	H	70-130	09/30/2015 14:52
4-BFB	102	H	70-130	09/30/2015 14:52

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-7	1509A76-007A	Air	09/28/2015 11:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 12:18
Bromochloromethane	ND	H	0.25	1	09/29/2015 12:18
Bromodichloromethane	ND	H	0.25	1	09/29/2015 12:18
Bromoform	ND	H	0.25	1	09/29/2015 12:18
Bromomethane	ND	H	0.25	1	09/29/2015 12:18
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 12:18
Chlorobenzene	ND	H	0.25	1	09/29/2015 12:18
Chloroethane	ND	H	0.25	1	09/29/2015 12:18
Chloroform	**0.71**	H	0.25	1	09/29/2015 12:18
Chloromethane	ND	H	0.25	1	09/29/2015 12:18
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 12:18
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 12:18
Dibromochloromethane	ND	H	0.25	1	09/29/2015 12:18
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 12:18
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 12:18
Dibromomethane	ND	H	0.25	1	09/29/2015 12:18
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:18
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:18
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:18
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 12:18
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 12:18
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 12:18
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 12:18
cis-1,2-Dichloroethene	**3.4**	H	0.25	1	09/29/2015 12:18
trans-1,2-Dichloroethene	**0.95**	H	0.25	1	09/29/2015 12:18
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 12:18
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 12:18
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 12:18
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 12:18
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 12:18
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 12:18
Freon 113	ND	H	0.25	1	09/29/2015 12:18
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 12:18
Hexachloroethane	ND	H	0.25	1	09/29/2015 12:18
Methylene chloride	ND	H	0.25	1	09/29/2015 12:18
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 12:18
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 12:18

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-7	1509A76-007A	Air	09/28/2015 11:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**18**	H	0.50	2	09/30/2015 14:27
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 12:18
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 12:18
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 12:18
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 12:18
Trichloroethene	**2.8**	H	0.25	1	09/29/2015 12:18
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 12:18
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 12:18
Vinyl Chloride	ND	H	0.25	1	09/29/2015 12:18

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/29/2015 12:18
Toluene-d8	107	H	70-130	09/29/2015 12:18
4-BFB	105	H	70-130	09/29/2015 12:18

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-8	1509A76-008A	Air	09/28/2015 11:40	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 12:58
Bromochloromethane	ND	H	0.25	1	09/29/2015 12:58
Bromodichloromethane	ND	H	0.25	1	09/29/2015 12:58
Bromoform	ND	H	0.25	1	09/29/2015 12:58
Bromomethane	ND	H	0.25	1	09/29/2015 12:58
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 12:58
Chlorobenzene	ND	H	0.25	1	09/29/2015 12:58
Chloroethane	ND	H	0.25	1	09/29/2015 12:58
Chloroform	**0.57**	H	0.25	1	09/29/2015 12:58
Chloromethane	ND	H	0.25	1	09/29/2015 12:58
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 12:58
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 12:58
Dibromochloromethane	ND	H	0.25	1	09/29/2015 12:58
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 12:58
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 12:58
Dibromomethane	ND	H	0.25	1	09/29/2015 12:58
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:58
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:58
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 12:58
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 12:58
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 12:58
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 12:58
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 12:58
cis-1,2-Dichloroethene	**2.7**	H	0.25	1	09/29/2015 12:58
trans-1,2-Dichloroethene	**0.76**	H	0.25	1	09/29/2015 12:58
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 12:58
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 12:58
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 12:58
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 12:58
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 12:58
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 12:58
Freon 113	ND	H	0.25	1	09/29/2015 12:58
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 12:58
Hexachloroethane	ND	H	0.25	1	09/29/2015 12:58
Methylene chloride	ND	H	0.25	1	09/29/2015 12:58
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 12:58
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 12:58

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-8	1509A76-008A	Air	09/28/2015 11:40	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**17**	H	0.25	1	09/29/2015 12:58
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 12:58
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 12:58
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 12:58
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 12:58
Trichloroethene	**2.3**	H	0.25	1	09/29/2015 12:58
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 12:58
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 12:58
Vinyl Chloride	ND	H	0.25	1	09/29/2015 12:58

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 12:58
Toluene-d8	107	H	70-130	09/29/2015 12:58
4-BFB	106	H	70-130	09/29/2015 12:58

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-9	1509A76-009A	Air	09/28/2015 09:15	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 15:30
Bromochloromethane	ND	H	0.25	1	09/30/2015 15:30
Bromodichloromethane	ND	H	0.25	1	09/30/2015 15:30
Bromoform	ND	H	0.25	1	09/30/2015 15:30
Bromomethane	ND	H	0.25	1	09/30/2015 15:30
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 15:30
Chlorobenzene	ND	H	0.25	1	09/30/2015 15:30
Chloroethane	ND	H	0.25	1	09/30/2015 15:30
Chloroform	**1.8**	H	0.25	1	09/30/2015 15:30
Chloromethane	ND	H	0.25	1	09/30/2015 15:30
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 15:30
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 15:30
Dibromochloromethane	ND	H	0.25	1	09/30/2015 15:30
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 15:30
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 15:30
Dibromomethane	ND	H	0.25	1	09/30/2015 15:30
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 15:30
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 15:30
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 15:30
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 15:30
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 15:30
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 15:30
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 15:30
cis-1,2-Dichloroethene	**9.0**	H	0.25	1	09/30/2015 15:30
trans-1,2-Dichloroethene	**2.5**	H	0.25	1	09/30/2015 15:30
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 15:30
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 15:30
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 15:30
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 15:30
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 15:30
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 15:30
Freon 113	ND	H	0.25	1	09/30/2015 15:30
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 15:30
Hexachloroethane	ND	H	0.25	1	09/30/2015 15:30
Methylene chloride	ND	H	0.25	1	09/30/2015 15:30
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 15:30
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 15:30

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-9	1509A76-009A	Air	09/28/2015 09:15	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**32**	H	1.0	4	09/30/2015 17:24
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 15:30
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 15:30
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 15:30
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 15:30
Trichloroethene	**6.8**	H	0.25	1	09/30/2015 15:30
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 15:30
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 15:30
Vinyl Chloride	**0.27**	H	0.25	1	09/30/2015 15:30

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 15:30
Toluene-d8	109	H	70-130	09/30/2015 15:30
4-BFB	107	H	70-130	09/30/2015 15:30

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-10	1509A76-010A	Air	09/28/2015 10:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 16:07
Bromochloromethane	ND	H	0.25	1	09/30/2015 16:07
Bromodichloromethane	ND	H	0.25	1	09/30/2015 16:07
Bromoform	ND	H	0.25	1	09/30/2015 16:07
Bromomethane	ND	H	0.25	1	09/30/2015 16:07
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 16:07
Chlorobenzene	ND	H	0.25	1	09/30/2015 16:07
Chloroethane	ND	H	0.25	1	09/30/2015 16:07
Chloroform	**0.50**	H	0.25	1	09/30/2015 16:07
Chloromethane	ND	H	0.25	1	09/30/2015 16:07
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:07
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:07
Dibromochloromethane	ND	H	0.25	1	09/30/2015 16:07
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 16:07
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 16:07
Dibromomethane	ND	H	0.25	1	09/30/2015 16:07
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:07
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:07
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:07
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 16:07
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 16:07
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 16:07
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 16:07
cis-1,2-Dichloroethene	**2.4**	H	0.25	1	09/30/2015 16:07
trans-1,2-Dichloroethene	**0.65**	H	0.25	1	09/30/2015 16:07
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:07
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 16:07
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:07
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 16:07
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:07
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:07
Freon 113	ND	H	0.25	1	09/30/2015 16:07
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 16:07
Hexachloroethane	ND	H	0.25	1	09/30/2015 16:07
Methylene chloride	ND	H	0.25	1	09/30/2015 16:07
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:07
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:07

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-10	1509A76-010A	Air	09/28/2015 10:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14**	H	0.25	1	09/30/2015 16:07
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:07
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:07
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 16:07
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 16:07
Trichloroethene	**2.0**	H	0.25	1	09/30/2015 16:07
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 16:07
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 16:07
Vinyl Chloride	ND	H	0.25	1	09/30/2015 16:07

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 16:07
Toluene-d8	106	H	70-130	09/30/2015 16:07
4-BFB	101	H	70-130	09/30/2015 16:07

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1509A76-011A	Air	09/28/2015 09:35	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 11:40
Bromochloromethane	ND	H	0.25	1	09/29/2015 11:40
Bromodichloromethane	ND	H	0.25	1	09/29/2015 11:40
Bromoform	ND	H	0.25	1	09/29/2015 11:40
Bromomethane	ND	H	0.25	1	09/29/2015 11:40
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 11:40
Chlorobenzene	ND	H	0.25	1	09/29/2015 11:40
Chloroethane	ND	H	0.25	1	09/29/2015 11:40
Chloroform	ND	H	0.25	1	09/29/2015 11:40
Chloromethane	ND	H	0.25	1	09/29/2015 11:40
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 11:40
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 11:40
Dibromochloromethane	ND	H	0.25	1	09/29/2015 11:40
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 11:40
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 11:40
Dibromomethane	ND	H	0.25	1	09/29/2015 11:40
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:40
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:40
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 11:40
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 11:40
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 11:40
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 11:40
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 11:40
cis-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 11:40
trans-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 11:40
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 11:40
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 11:40
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 11:40
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 11:40
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 11:40
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 11:40
Freon 113	ND	H	0.25	1	09/29/2015 11:40
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 11:40
Hexachloroethane	ND	H	0.25	1	09/29/2015 11:40
Methylene chloride	ND	H	0.25	1	09/29/2015 11:40
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 11:40
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 11:40

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1509A76-011A	Air	09/28/2015 09:35	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.36**	H	0.25	1	09/29/2015 11:40
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 11:40
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 11:40
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 11:40
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 11:40
Trichloroethene	**0.44**	H	0.25	1	09/29/2015 11:40
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 11:40
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 11:40
Vinyl Chloride	ND	H	0.25	1	09/29/2015 11:40

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 11:40
Toluene-d8	105	H	70-130	09/29/2015 11:40
4-BFB	107	H	70-130	09/29/2015 11:40

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-2	1509A76-012A	Air	09/28/2015 09:55	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 16:45
Bromochloromethane	ND	H	0.25	1	09/30/2015 16:45
Bromodichloromethane	ND	H	0.25	1	09/30/2015 16:45
Bromoform	ND	H	0.25	1	09/30/2015 16:45
Bromomethane	ND	H	0.25	1	09/30/2015 16:45
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 16:45
Chlorobenzene	ND	H	0.25	1	09/30/2015 16:45
Chloroethane	ND	H	0.25	1	09/30/2015 16:45
Chloroform	ND	H	0.25	1	09/30/2015 16:45
Chloromethane	ND	H	0.25	1	09/30/2015 16:45
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:45
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:45
Dibromochloromethane	ND	H	0.25	1	09/30/2015 16:45
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 16:45
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 16:45
Dibromomethane	ND	H	0.25	1	09/30/2015 16:45
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:45
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:45
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:45
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 16:45
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 16:45
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 16:45
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 16:45
cis-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 16:45
trans-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 16:45
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:45
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 16:45
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:45
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 16:45
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:45
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:45
Freon 113	ND	H	0.25	1	09/30/2015 16:45
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 16:45
Hexachloroethane	ND	H	0.25	1	09/30/2015 16:45
Methylene chloride	ND	H	0.25	1	09/30/2015 16:45
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:45
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:45

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-2	1509A76-012A	Air	09/28/2015 09:55	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.49**	H	0.25	1	09/30/2015 16:45
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:45
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:45
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 16:45
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 16:45
Trichloroethene	**0.48**	H	0.25	1	09/30/2015 16:45
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 16:45
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 16:45
Vinyl Chloride	ND	H	0.25	1	09/30/2015 16:45

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 16:45
Toluene-d8	107	H	70-130	09/30/2015 16:45
4-BFB	100	H	70-130	09/30/2015 16:45

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-3	1509A76-013A	Air	09/28/2015 10:10	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 17:23
Bromochloromethane	ND	H	0.25	1	09/30/2015 17:23
Bromodichloromethane	ND	H	0.25	1	09/30/2015 17:23
Bromoform	ND	H	0.25	1	09/30/2015 17:23
Bromomethane	ND	H	0.25	1	09/30/2015 17:23
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 17:23
Chlorobenzene	ND	H	0.25	1	09/30/2015 17:23
Chloroethane	ND	H	0.25	1	09/30/2015 17:23
Chloroform	ND	H	0.25	1	09/30/2015 17:23
Chloromethane	ND	H	0.25	1	09/30/2015 17:23
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 17:23
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 17:23
Dibromochloromethane	ND	H	0.25	1	09/30/2015 17:23
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 17:23
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 17:23
Dibromomethane	ND	H	0.25	1	09/30/2015 17:23
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 17:23
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 17:23
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 17:23
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 17:23
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 17:23
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 17:23
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 17:23
cis-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 17:23
trans-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 17:23
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 17:23
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 17:23
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 17:23
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 17:23
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 17:23
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 17:23
Freon 113	ND	H	0.25	1	09/30/2015 17:23
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 17:23
Hexachloroethane	ND	H	0.25	1	09/30/2015 17:23
Methylene chloride	ND	H	0.25	1	09/30/2015 17:23
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 17:23
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 17:23

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-3	1509A76-013A	Air	09/28/2015 10:10	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.67**	H	0.25	1	09/30/2015 17:23
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 17:23
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 17:23
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 17:23
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 17:23
Trichloroethene	**0.43**	H	0.25	1	09/30/2015 17:23
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 17:23
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 17:23
Vinyl Chloride	ND	H	0.25	1	09/30/2015 17:23

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	111	H	70-130	09/30/2015 17:23
Toluene-d8	107	H	70-130	09/30/2015 17:23
4-BFB	98	H	70-130	09/30/2015 17:23

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-4	1509A76-014A	Air	09/28/2015 12:00	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 14:53
Bromochloromethane	ND	H	0.25	1	09/29/2015 14:53
Bromodichloromethane	ND	H	0.25	1	09/29/2015 14:53
Bromoform	ND	H	0.25	1	09/29/2015 14:53
Bromomethane	ND	H	0.25	1	09/29/2015 14:53
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 14:53
Chlorobenzene	ND	H	0.25	1	09/29/2015 14:53
Chloroethane	ND	H	0.25	1	09/29/2015 14:53
Chloroform	ND	H	0.25	1	09/29/2015 14:53
Chloromethane	ND	H	0.25	1	09/29/2015 14:53
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 14:53
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 14:53
Dibromochloromethane	ND	H	0.25	1	09/29/2015 14:53
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 14:53
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 14:53
Dibromomethane	ND	H	0.25	1	09/29/2015 14:53
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:53
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:53
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 14:53
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 14:53
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 14:53
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 14:53
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 14:53
cis-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 14:53
trans-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 14:53
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 14:53
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 14:53
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 14:53
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 14:53
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 14:53
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 14:53
Freon 113	ND	H	0.25	1	09/29/2015 14:53
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 14:53
Hexachloroethane	ND	H	0.25	1	09/29/2015 14:53
Methylene chloride	ND	H	0.25	1	09/29/2015 14:53
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 14:53
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 14:53

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-4	1509A76-014A	Air	09/28/2015 12:00	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.68**	H	0.25	1	09/29/2015 14:53
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 14:53
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 14:53
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 14:53
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 14:53
Trichloroethene	**0.51**	H	0.25	1	09/29/2015 14:53
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 14:53
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 14:53
Vinyl Chloride	ND	H	0.25	1	09/29/2015 14:53

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 14:53
Toluene-d8	106	H	70-130	09/29/2015 14:53
4-BFB	108	H	70-130	09/29/2015 14:53

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-5	1509A76-015A	Air	09/28/2015 10:25	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 18:02
Bromochloromethane	ND	H	0.25	1	09/30/2015 18:02
Bromodichloromethane	ND	H	0.25	1	09/30/2015 18:02
Bromoform	ND	H	0.25	1	09/30/2015 18:02
Bromomethane	ND	H	0.25	1	09/30/2015 18:02
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 18:02
Chlorobenzene	ND	H	0.25	1	09/30/2015 18:02
Chloroethane	ND	H	0.25	1	09/30/2015 18:02
Chloroform	ND	H	0.25	1	09/30/2015 18:02
Chloromethane	ND	H	0.25	1	09/30/2015 18:02
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 18:02
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 18:02
Dibromochloromethane	ND	H	0.25	1	09/30/2015 18:02
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 18:02
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 18:02
Dibromomethane	ND	H	0.25	1	09/30/2015 18:02
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 18:02
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 18:02
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 18:02
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 18:02
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 18:02
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 18:02
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 18:02
cis-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 18:02
trans-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 18:02
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 18:02
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 18:02
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 18:02
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 18:02
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 18:02
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 18:02
Freon 113	ND	H	0.25	1	09/30/2015 18:02
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 18:02
Hexachloroethane	ND	H	0.25	1	09/30/2015 18:02
Methylene chloride	ND	H	0.25	1	09/30/2015 18:02
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 18:02
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 18:02

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-5	1509A76-015A	Air	09/28/2015 10:25	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.53**	H	0.25	1	09/30/2015 18:02
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 18:02
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 18:02
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 18:02
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 18:02
Trichloroethene	**0.47**	H	0.25	1	09/30/2015 18:02
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 18:02
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 18:02
Vinyl Chloride	ND	H	0.25	1	09/30/2015 18:02

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 18:02
Toluene-d8	107	H	70-130	09/30/2015 18:02
4-BFB	102	H	70-130	09/30/2015 18:02

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6	1509A76-016A	Air	09/28/2015 10:45	GC16	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 16:41
Bromochloromethane	ND	H	0.25	1	09/30/2015 16:41
Bromodichloromethane	ND	H	0.25	1	09/30/2015 16:41
Bromoform	ND	H	0.25	1	09/30/2015 16:41
Bromomethane	ND	H	0.25	1	09/30/2015 16:41
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 16:41
Chlorobenzene	ND	H	0.25	1	09/30/2015 16:41
Chloroethane	ND	H	0.25	1	09/30/2015 16:41
Chloroform	ND	H	0.25	1	09/30/2015 16:41
Chloromethane	ND	H	0.25	1	09/30/2015 16:41
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:41
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 16:41
Dibromochloromethane	ND	H	0.25	1	09/30/2015 16:41
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 16:41
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 16:41
Dibromomethane	ND	H	0.25	1	09/30/2015 16:41
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:41
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:41
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 16:41
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 16:41
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 16:41
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 16:41
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 16:41
cis-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 16:41
trans-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 16:41
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:41
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 16:41
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 16:41
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 16:41
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:41
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 16:41
Freon 113	ND	H	0.25	1	09/30/2015 16:41
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 16:41
Hexachloroethane	ND	H	0.25	1	09/30/2015 16:41
Methylene chloride	ND	H	0.25	1	09/30/2015 16:41
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:41
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 16:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6	1509A76-016A	Air	09/28/2015 10:45	GC16	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.64**	H	0.25	1	09/30/2015 16:41
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:41
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 16:41
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 16:41
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 16:41
Trichloroethene	**0.42**	H	0.25	1	09/30/2015 16:41
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 16:41
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 16:41
Vinyl Chloride	ND	H	0.25	1	09/30/2015 16:41

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	96	H	70-130	09/30/2015 16:41
Toluene-d8	93	H	70-130	09/30/2015 16:41
4-BFB	94	H	70-130	09/30/2015 16:41

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-7	1509A76-017A	Air	09/28/2015 11:25	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 16:15
Bromochloromethane	ND	H	0.25	1	09/29/2015 16:15
Bromodichloromethane	ND	H	0.25	1	09/29/2015 16:15
Bromoform	ND	H	0.25	1	09/29/2015 16:15
Bromomethane	ND	H	0.25	1	09/29/2015 16:15
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 16:15
Chlorobenzene	ND	H	0.25	1	09/29/2015 16:15
Chloroethane	ND	H	0.25	1	09/29/2015 16:15
Chloroform	ND	H	0.25	1	09/29/2015 16:15
Chloromethane	ND	H	0.25	1	09/29/2015 16:15
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 16:15
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 16:15
Dibromochloromethane	ND	H	0.25	1	09/29/2015 16:15
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 16:15
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 16:15
Dibromomethane	ND	H	0.25	1	09/29/2015 16:15
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:15
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:15
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:15
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 16:15
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 16:15
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 16:15
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 16:15
cis-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 16:15
trans-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 16:15
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 16:15
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 16:15
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 16:15
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 16:15
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 16:15
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 16:15
Freon 113	ND	H	0.25	1	09/29/2015 16:15
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 16:15
Hexachloroethane	ND	H	0.25	1	09/29/2015 16:15
Methylene chloride	ND	H	0.25	1	09/29/2015 16:15
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 16:15
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 16:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-7	1509A76-017A	Air	09/28/2015 11:25	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.74**	H	0.25	1	09/29/2015 16:15
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 16:15
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 16:15
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 16:15
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 16:15
Trichloroethene	**0.50**	H	0.25	1	09/29/2015 16:15
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 16:15
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 16:15
Vinyl Chloride	ND	H	0.25	1	09/29/2015 16:15

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 16:15
Toluene-d8	105	H	70-130	09/29/2015 16:15
4-BFB	98	H	70-130	09/29/2015 16:15

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-8	1509A76-018A	Air	09/28/2015 11:45	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/30/2015 20:42
Bromochloromethane	ND	H	0.25	1	09/30/2015 20:42
Bromodichloromethane	ND	H	0.25	1	09/30/2015 20:42
Bromoform	ND	H	0.25	1	09/30/2015 20:42
Bromomethane	ND	H	0.25	1	09/30/2015 20:42
Carbon Tetrachloride	ND	H	0.25	1	09/30/2015 20:42
Chlorobenzene	ND	H	0.25	1	09/30/2015 20:42
Chloroethane	ND	H	0.25	1	09/30/2015 20:42
Chloroform	ND	H	0.25	1	09/30/2015 20:42
Chloromethane	ND	H	0.25	1	09/30/2015 20:42
2-Chlorotoluene	ND	H	0.25	1	09/30/2015 20:42
4-Chlorotoluene	ND	H	0.25	1	09/30/2015 20:42
Dibromochloromethane	ND	H	0.25	1	09/30/2015 20:42
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/30/2015 20:42
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/30/2015 20:42
Dibromomethane	ND	H	0.25	1	09/30/2015 20:42
1,2-Dichlorobenzene	ND	H	0.25	1	09/30/2015 20:42
1,3-Dichlorobenzene	ND	H	0.25	1	09/30/2015 20:42
1,4-Dichlorobenzene	ND	H	0.25	1	09/30/2015 20:42
Dichlorodifluoromethane	ND	H	0.25	1	09/30/2015 20:42
1,1-Dichloroethane	ND	H	0.25	1	09/30/2015 20:42
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/30/2015 20:42
1,1-Dichloroethene	ND	H	0.25	1	09/30/2015 20:42
cis-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 20:42
trans-1,2-Dichloroethene	ND	H	0.25	1	09/30/2015 20:42
1,2-Dichloropropane	ND	H	0.25	1	09/30/2015 20:42
1,3-Dichloropropane	ND	H	0.25	1	09/30/2015 20:42
2,2-Dichloropropane	ND	H	0.25	1	09/30/2015 20:42
1,1-Dichloropropene	ND	H	0.25	1	09/30/2015 20:42
cis-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 20:42
trans-1,3-Dichloropropene	ND	H	0.25	1	09/30/2015 20:42
Freon 113	ND	H	0.25	1	09/30/2015 20:42
Hexachlorobutadiene	ND	H	0.25	1	09/30/2015 20:42
Hexachloroethane	ND	H	0.25	1	09/30/2015 20:42
Methylene chloride	ND	H	0.25	1	09/30/2015 20:42
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 20:42
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/30/2015 20:42

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-8	1509A76-018A	Air	09/28/2015 11:45	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.71**	H	0.25	1	09/30/2015 20:42
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/30/2015 20:42
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/30/2015 20:42
1,1,1-Trichloroethane	ND	H	0.25	1	09/30/2015 20:42
1,1,2-Trichloroethane	ND	H	0.25	1	09/30/2015 20:42
Trichloroethene	**0.51**	H	0.25	1	09/30/2015 20:42
Trichlorofluoromethane	ND	H	0.25	1	09/30/2015 20:42
1,2,3-Trichloropropane	ND	H	0.25	1	09/30/2015 20:42
Vinyl Chloride	ND	H	0.25	1	09/30/2015 20:42

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 20:42
Toluene-d8	107	H	70-130	09/30/2015 20:42
4-BFB	100	H	70-130	09/30/2015 20:42

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-9	1509A76-019A	Air	09/28/2015 09:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 16:54
Bromochloromethane	ND	H	0.25	1	09/29/2015 16:54
Bromodichloromethane	ND	H	0.25	1	09/29/2015 16:54
Bromoform	ND	H	0.25	1	09/29/2015 16:54
Bromomethane	ND	H	0.25	1	09/29/2015 16:54
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 16:54
Chlorobenzene	ND	H	0.25	1	09/29/2015 16:54
Chloroethane	ND	H	0.25	1	09/29/2015 16:54
Chloroform	ND	H	0.25	1	09/29/2015 16:54
Chloromethane	ND	H	0.25	1	09/29/2015 16:54
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 16:54
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 16:54
Dibromochloromethane	ND	H	0.25	1	09/29/2015 16:54
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 16:54
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 16:54
Dibromomethane	ND	H	0.25	1	09/29/2015 16:54
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:54
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:54
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 16:54
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 16:54
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 16:54
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 16:54
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 16:54
cis-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 16:54
trans-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 16:54
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 16:54
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 16:54
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 16:54
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 16:54
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 16:54
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 16:54
Freon 113	ND	H	0.25	1	09/29/2015 16:54
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 16:54
Hexachloroethane	ND	H	0.25	1	09/29/2015 16:54
Methylene chloride	ND	H	0.25	1	09/29/2015 16:54
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 16:54
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 16:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-9	1509A76-019A	Air	09/28/2015 09:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.61**	H	0.25	1	09/29/2015 16:54
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 16:54
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 16:54
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 16:54
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 16:54
Trichloroethene	**0.52**	H	0.25	1	09/29/2015 16:54
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 16:54
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 16:54
Vinyl Chloride	ND	H	0.25	1	09/29/2015 16:54

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	09/29/2015 16:54
Toluene-d8	106	H	70-130	09/29/2015 16:54
4-BFB	104	H	70-130	09/29/2015 16:54

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-10	1509A76-020A	Air	09/28/2015 10:10	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	09/29/2015 13:36
Bromochloromethane	ND	H	0.25	1	09/29/2015 13:36
Bromodichloromethane	ND	H	0.25	1	09/29/2015 13:36
Bromoform	ND	H	0.25	1	09/29/2015 13:36
Bromomethane	ND	H	0.25	1	09/29/2015 13:36
Carbon Tetrachloride	ND	H	0.25	1	09/29/2015 13:36
Chlorobenzene	ND	H	0.25	1	09/29/2015 13:36
Chloroethane	ND	H	0.25	1	09/29/2015 13:36
Chloroform	ND	H	0.25	1	09/29/2015 13:36
Chloromethane	ND	H	0.25	1	09/29/2015 13:36
2-Chlorotoluene	ND	H	0.25	1	09/29/2015 13:36
4-Chlorotoluene	ND	H	0.25	1	09/29/2015 13:36
Dibromochloromethane	ND	H	0.25	1	09/29/2015 13:36
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	09/29/2015 13:36
1,2-Dibromoethane (EDB)	ND	H	0.25	1	09/29/2015 13:36
Dibromomethane	ND	H	0.25	1	09/29/2015 13:36
1,2-Dichlorobenzene	ND	H	0.25	1	09/29/2015 13:36
1,3-Dichlorobenzene	ND	H	0.25	1	09/29/2015 13:36
1,4-Dichlorobenzene	ND	H	0.25	1	09/29/2015 13:36
Dichlorodifluoromethane	ND	H	0.25	1	09/29/2015 13:36
1,1-Dichloroethane	ND	H	0.25	1	09/29/2015 13:36
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	09/29/2015 13:36
1,1-Dichloroethene	ND	H	0.25	1	09/29/2015 13:36
cis-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 13:36
trans-1,2-Dichloroethene	ND	H	0.25	1	09/29/2015 13:36
1,2-Dichloropropane	ND	H	0.25	1	09/29/2015 13:36
1,3-Dichloropropane	ND	H	0.25	1	09/29/2015 13:36
2,2-Dichloropropane	ND	H	0.25	1	09/29/2015 13:36
1,1-Dichloropropene	ND	H	0.25	1	09/29/2015 13:36
cis-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 13:36
trans-1,3-Dichloropropene	ND	H	0.25	1	09/29/2015 13:36
Freon 113	ND	H	0.25	1	09/29/2015 13:36
Hexachlorobutadiene	ND	H	0.25	1	09/29/2015 13:36
Hexachloroethane	ND	H	0.25	1	09/29/2015 13:36
Methylene chloride	ND	H	0.25	1	09/29/2015 13:36
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 13:36
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	09/29/2015 13:36

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-10	1509A76-020A	Air	09/28/2015 10:10	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**0.64**	H	0.25	1	09/29/2015 13:36
1,2,3-Trichlorobenzene	ND	H	0.25	1	09/29/2015 13:36
1,2,4-Trichlorobenzene	ND	H	0.25	1	09/29/2015 13:36
1,1,1-Trichloroethane	ND	H	0.25	1	09/29/2015 13:36
1,1,2-Trichloroethane	ND	H	0.25	1	09/29/2015 13:36
Trichloroethene	**0.41**	H	0.25	1	09/29/2015 13:36
Trichlorofluoromethane	ND	H	0.25	1	09/29/2015 13:36
1,2,3-Trichloropropane	ND	H	0.25	1	09/29/2015 13:36
Vinyl Chloride	ND	H	0.25	1	09/29/2015 13:36

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 13:36
Toluene-d8	106	H	70-130	09/29/2015 13:36
4-BFB	107	H	70-130	09/29/2015 13:36

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-1	1509A76-001A	Air	09/28/2015 09:30	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 17:34
Bromochloromethane	ND	H	250	1	09/29/2015 17:34
Bromodichloromethane	ND	H	250	1	09/29/2015 17:34
Bromoform	ND	H	250	1	09/29/2015 17:34
Bromomethane	ND	H	250	1	09/29/2015 17:34
Carbon Tetrachloride	ND	H	250	1	09/29/2015 17:34
Chlorobenzene	ND	H	250	1	09/29/2015 17:34
Chloroethane	ND	H	250	1	09/29/2015 17:34
Chloroform	**490**	H	250	1	09/29/2015 17:34
Chloromethane	ND	H	250	1	09/29/2015 17:34
2-Chlorotoluene	ND	H	250	1	09/29/2015 17:34
4-Chlorotoluene	ND	H	250	1	09/29/2015 17:34
Dibromochloromethane	ND	H	250	1	09/29/2015 17:34
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 17:34
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 17:34
Dibromomethane	ND	H	250	1	09/29/2015 17:34
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 17:34
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 17:34
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 17:34
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 17:34
1,1-Dichloroethane	ND	H	250	1	09/29/2015 17:34
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 17:34
1,1-Dichloroethene	ND	H	250	1	09/29/2015 17:34
cis-1,2-Dichloroethene	**2300**	H	250	1	09/29/2015 17:34
trans-1,2-Dichloroethene	**600**	H	250	1	09/29/2015 17:34
1,2-Dichloropropane	ND	H	250	1	09/29/2015 17:34
1,3-Dichloropropane	ND	H	250	1	09/29/2015 17:34
2,2-Dichloropropane	ND	H	250	1	09/29/2015 17:34
1,1-Dichloropropene	ND	H	250	1	09/29/2015 17:34
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 17:34
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 17:34
Freon 113	ND	H	250	1	09/29/2015 17:34
Hexachlorobutadiene	ND	H	250	1	09/29/2015 17:34
Hexachloroethane	ND	H	250	1	09/29/2015 17:34
Methylene chloride	ND	H	250	1	09/29/2015 17:34
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 17:34
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 17:34

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-1	1509A76-001A	Air	09/28/2015 09:30	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**16,000**	H	250	1	09/29/2015 17:34
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 17:34
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 17:34
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 17:34
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 17:34
Trichloroethene	**1900**	H	250	1	09/29/2015 17:34
Trichlorofluoromethane	ND	H	250	1	09/29/2015 17:34
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 17:34
Vinyl Chloride	ND	H	250	1	09/29/2015 17:34

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	09/29/2015 17:34
Toluene-d8	105	H	70-130	09/29/2015 17:34
4-BFB	102	H	70-130	09/29/2015 17:34

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-2	1509A76-002A	Air	09/28/2015 09:50	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 21:26
Bromochloromethane	ND	H	250	1	09/29/2015 21:26
Bromodichloromethane	ND	H	250	1	09/29/2015 21:26
Bromoform	ND	H	250	1	09/29/2015 21:26
Bromomethane	ND	H	250	1	09/29/2015 21:26
Carbon Tetrachloride	ND	H	250	1	09/29/2015 21:26
Chlorobenzene	ND	H	250	1	09/29/2015 21:26
Chloroethane	ND	H	250	1	09/29/2015 21:26
Chloroform	**840**	H	250	1	09/29/2015 21:26
Chloromethane	ND	H	250	1	09/29/2015 21:26
2-Chlorotoluene	ND	H	250	1	09/29/2015 21:26
4-Chlorotoluene	ND	H	250	1	09/29/2015 21:26
Dibromochloromethane	ND	H	250	1	09/29/2015 21:26
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 21:26
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 21:26
Dibromomethane	ND	H	250	1	09/29/2015 21:26
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 21:26
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 21:26
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 21:26
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 21:26
1,1-Dichloroethane	ND	H	250	1	09/29/2015 21:26
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 21:26
1,1-Dichloroethene	ND	H	250	1	09/29/2015 21:26
cis-1,2-Dichloroethene	**3900**	H	250	1	09/29/2015 21:26
trans-1,2-Dichloroethene	**1000**	H	250	1	09/29/2015 21:26
1,2-Dichloropropane	ND	H	250	1	09/29/2015 21:26
1,3-Dichloropropane	ND	H	250	1	09/29/2015 21:26
2,2-Dichloropropane	ND	H	250	1	09/29/2015 21:26
1,1-Dichloropropene	ND	H	250	1	09/29/2015 21:26
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 21:26
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 21:26
Freon 113	ND	H	250	1	09/29/2015 21:26
Hexachlorobutadiene	ND	H	250	1	09/29/2015 21:26
Hexachloroethane	ND	H	250	1	09/29/2015 21:26
Methylene chloride	ND	H	250	1	09/29/2015 21:26
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 21:26
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 21:26

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-2	1509A76-002A	Air	09/28/2015 09:50	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**16,000**	H	1000	4	09/30/2015 15:57
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 21:26
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 21:26
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 21:26
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 21:26
Trichloroethene	**3200**	H	250	1	09/29/2015 21:26
Trichlorofluoromethane	ND	H	250	1	09/29/2015 21:26
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 21:26
Vinyl Chloride	ND	H	250	1	09/29/2015 21:26

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	116	H	70-130	09/29/2015 21:26
Toluene-d8	106	H	70-130	09/29/2015 21:26
4-BFB	107	H	70-130	09/29/2015 21:26

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-3	1509A76-003A	Air	09/28/2015 11:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 14:14
Bromochloromethane	ND	H	250	1	09/30/2015 14:14
Bromodichloromethane	ND	H	250	1	09/30/2015 14:14
Bromoform	ND	H	250	1	09/30/2015 14:14
Bromomethane	ND	H	250	1	09/30/2015 14:14
Carbon Tetrachloride	ND	H	250	1	09/30/2015 14:14
Chlorobenzene	ND	H	250	1	09/30/2015 14:14
Chloroethane	ND	H	250	1	09/30/2015 14:14
Chloroform	**560**	H	250	1	09/30/2015 14:14
Chloromethane	ND	H	250	1	09/30/2015 14:14
2-Chlorotoluene	ND	H	250	1	09/30/2015 14:14
4-Chlorotoluene	ND	H	250	1	09/30/2015 14:14
Dibromochloromethane	ND	H	250	1	09/30/2015 14:14
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 14:14
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 14:14
Dibromomethane	ND	H	250	1	09/30/2015 14:14
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 14:14
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 14:14
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 14:14
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 14:14
1,1-Dichloroethane	ND	H	250	1	09/30/2015 14:14
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 14:14
1,1-Dichloroethene	ND	H	250	1	09/30/2015 14:14
cis-1,2-Dichloroethene	**2700**	H	250	1	09/30/2015 14:14
trans-1,2-Dichloroethene	**770**	H	250	1	09/30/2015 14:14
1,2-Dichloropropane	ND	H	250	1	09/30/2015 14:14
1,3-Dichloropropane	ND	H	250	1	09/30/2015 14:14
2,2-Dichloropropane	ND	H	250	1	09/30/2015 14:14
1,1-Dichloropropene	ND	H	250	1	09/30/2015 14:14
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 14:14
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 14:14
Freon 113	ND	H	250	1	09/30/2015 14:14
Hexachlorobutadiene	ND	H	250	1	09/30/2015 14:14
Hexachloroethane	ND	H	250	1	09/30/2015 14:14
Methylene chloride	ND	H	250	1	09/30/2015 14:14
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 14:14
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 14:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-3	1509A76-003A	Air	09/28/2015 11:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14,000**	H	250	1	09/30/2015 14:14
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 14:14
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 14:14
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 14:14
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 14:14
Trichloroethene	**2200**	H	250	1	09/30/2015 14:14
Trichlorofluoromethane	ND	H	250	1	09/30/2015 14:14
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 14:14
Vinyl Chloride	ND	H	250	1	09/30/2015 14:14

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 14:14
Toluene-d8	107	H	70-130	09/30/2015 14:14
4-BFB	105	H	70-130	09/30/2015 14:14

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-4	1509A76-004A	Air	09/28/2015 11:55	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 11:00
Bromochloromethane	ND	H	250	1	09/29/2015 11:00
Bromodichloromethane	ND	H	250	1	09/29/2015 11:00
Bromoform	ND	H	250	1	09/29/2015 11:00
Bromomethane	ND	H	250	1	09/29/2015 11:00
Carbon Tetrachloride	ND	H	250	1	09/29/2015 11:00
Chlorobenzene	ND	H	250	1	09/29/2015 11:00
Chloroethane	ND	H	250	1	09/29/2015 11:00
Chloroform	**650**	H	250	1	09/29/2015 11:00
Chloromethane	ND	H	250	1	09/29/2015 11:00
2-Chlorotoluene	ND	H	250	1	09/29/2015 11:00
4-Chlorotoluene	ND	H	250	1	09/29/2015 11:00
Dibromochloromethane	ND	H	250	1	09/29/2015 11:00
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 11:00
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 11:00
Dibromomethane	ND	H	250	1	09/29/2015 11:00
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 11:00
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 11:00
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 11:00
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 11:00
1,1-Dichloroethane	ND	H	250	1	09/29/2015 11:00
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 11:00
1,1-Dichloroethene	ND	H	250	1	09/29/2015 11:00
cis-1,2-Dichloroethene	**3200**	H	250	1	09/29/2015 11:00
trans-1,2-Dichloroethene	**880**	H	250	1	09/29/2015 11:00
1,2-Dichloropropane	ND	H	250	1	09/29/2015 11:00
1,3-Dichloropropane	ND	H	250	1	09/29/2015 11:00
2,2-Dichloropropane	ND	H	250	1	09/29/2015 11:00
1,1-Dichloropropene	ND	H	250	1	09/29/2015 11:00
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 11:00
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 11:00
Freon 113	ND	H	250	1	09/29/2015 11:00
Hexachlorobutadiene	ND	H	250	1	09/29/2015 11:00
Hexachloroethane	ND	H	250	1	09/29/2015 11:00
Methylene chloride	ND	H	250	1	09/29/2015 11:00
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 11:00
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 11:00

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-4	1509A76-004A	Air	09/28/2015 11:55	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14,000**	H	500	2	09/29/2015 17:19
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 11:00
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 11:00
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 11:00
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 11:00
Trichloroethene	**2700**	H	250	1	09/29/2015 11:00
Trichlorofluoromethane	ND	H	250	1	09/29/2015 11:00
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 11:00
Vinyl Chloride	ND	H	250	1	09/29/2015 11:00

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/29/2015 11:00
Toluene-d8	106	H	70-130	09/29/2015 11:00
4-BFB	108	H	70-130	09/29/2015 11:00

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-5	1509A76-005A	Air	09/28/2015 10:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 14:15
Bromochloromethane	ND	H	250	1	09/29/2015 14:15
Bromodichloromethane	ND	H	250	1	09/29/2015 14:15
Bromoform	ND	H	250	1	09/29/2015 14:15
Bromomethane	ND	H	250	1	09/29/2015 14:15
Carbon Tetrachloride	ND	H	250	1	09/29/2015 14:15
Chlorobenzene	ND	H	250	1	09/29/2015 14:15
Chloroethane	ND	H	250	1	09/29/2015 14:15
Chloroform	**1800**	H	250	1	09/29/2015 14:15
Chloromethane	ND	H	250	1	09/29/2015 14:15
2-Chlorotoluene	ND	H	250	1	09/29/2015 14:15
4-Chlorotoluene	ND	H	250	1	09/29/2015 14:15
Dibromochloromethane	ND	H	250	1	09/29/2015 14:15
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 14:15
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 14:15
Dibromomethane	ND	H	250	1	09/29/2015 14:15
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 14:15
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 14:15
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 14:15
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 14:15
1,1-Dichloroethane	ND	H	250	1	09/29/2015 14:15
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 14:15
1,1-Dichloroethene	ND	H	250	1	09/29/2015 14:15
cis-1,2-Dichloroethene	**12,000**	H	250	1	09/29/2015 14:15
trans-1,2-Dichloroethene	**3400**	H	250	1	09/29/2015 14:15
1,2-Dichloropropane	ND	H	250	1	09/29/2015 14:15
1,3-Dichloropropane	ND	H	250	1	09/29/2015 14:15
2,2-Dichloropropane	ND	H	250	1	09/29/2015 14:15
1,1-Dichloropropene	ND	H	250	1	09/29/2015 14:15
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 14:15
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 14:15
Freon 113	ND	H	250	1	09/29/2015 14:15
Hexachlorobutadiene	ND	H	250	1	09/29/2015 14:15
Hexachloroethane	ND	H	250	1	09/29/2015 14:15
Methylene chloride	ND	H	250	1	09/29/2015 14:15
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 14:15
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 14:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-5	1509A76-005A	Air	09/28/2015 10:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**26,000**	H	1000	4	09/30/2015 15:10
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 14:15
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 14:15
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 14:15
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 14:15
Trichloroethene	**7300**	H	250	1	09/29/2015 14:15
Trichlorofluoromethane	ND	H	250	1	09/29/2015 14:15
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 14:15
Vinyl Chloride	**320**	H	250	1	09/29/2015 14:15

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 14:15
Toluene-d8	107	H	70-130	09/29/2015 14:15
4-BFB	104	H	70-130	09/29/2015 14:15

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-6	1509A76-006A	Air	09/28/2015 10:40	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 14:52
Bromochloromethane	ND	H	250	1	09/30/2015 14:52
Bromodichloromethane	ND	H	250	1	09/30/2015 14:52
Bromoform	ND	H	250	1	09/30/2015 14:52
Bromomethane	ND	H	250	1	09/30/2015 14:52
Carbon Tetrachloride	ND	H	250	1	09/30/2015 14:52
Chlorobenzene	ND	H	250	1	09/30/2015 14:52
Chloroethane	ND	H	250	1	09/30/2015 14:52
Chloroform	**510**	H	250	1	09/30/2015 14:52
Chloromethane	ND	H	250	1	09/30/2015 14:52
2-Chlorotoluene	ND	H	250	1	09/30/2015 14:52
4-Chlorotoluene	ND	H	250	1	09/30/2015 14:52
Dibromochloromethane	ND	H	250	1	09/30/2015 14:52
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 14:52
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 14:52
Dibromomethane	ND	H	250	1	09/30/2015 14:52
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 14:52
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 14:52
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 14:52
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 14:52
1,1-Dichloroethane	ND	H	250	1	09/30/2015 14:52
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 14:52
1,1-Dichloroethene	ND	H	250	1	09/30/2015 14:52
cis-1,2-Dichloroethene	**2400**	H	250	1	09/30/2015 14:52
trans-1,2-Dichloroethene	**680**	H	250	1	09/30/2015 14:52
1,2-Dichloropropane	ND	H	250	1	09/30/2015 14:52
1,3-Dichloropropane	ND	H	250	1	09/30/2015 14:52
2,2-Dichloropropane	ND	H	250	1	09/30/2015 14:52
1,1-Dichloropropene	ND	H	250	1	09/30/2015 14:52
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 14:52
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 14:52
Freon 113	ND	H	250	1	09/30/2015 14:52
Hexachlorobutadiene	ND	H	250	1	09/30/2015 14:52
Hexachloroethane	ND	H	250	1	09/30/2015 14:52
Methylene chloride	ND	H	250	1	09/30/2015 14:52
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 14:52
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 14:52

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-6	1509A76-006A	Air	09/28/2015 10:40	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**15,000**	H	250	1	09/30/2015 14:52
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 14:52
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 14:52
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 14:52
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 14:52
Trichloroethene	**2100**	H	250	1	09/30/2015 14:52
Trichlorofluoromethane	ND	H	250	1	09/30/2015 14:52
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 14:52
Vinyl Chloride	ND	H	250	1	09/30/2015 14:52

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 14:52
Toluene-d8	106	H	70-130	09/30/2015 14:52
4-BFB	102	H	70-130	09/30/2015 14:52

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-7	1509A76-007A	Air	09/28/2015 11:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 12:18
Bromochloromethane	ND	H	250	1	09/29/2015 12:18
Bromodichloromethane	ND	H	250	1	09/29/2015 12:18
Bromoform	ND	H	250	1	09/29/2015 12:18
Bromomethane	ND	H	250	1	09/29/2015 12:18
Carbon Tetrachloride	ND	H	250	1	09/29/2015 12:18
Chlorobenzene	ND	H	250	1	09/29/2015 12:18
Chloroethane	ND	H	250	1	09/29/2015 12:18
Chloroform	**710**	H	250	1	09/29/2015 12:18
Chloromethane	ND	H	250	1	09/29/2015 12:18
2-Chlorotoluene	ND	H	250	1	09/29/2015 12:18
4-Chlorotoluene	ND	H	250	1	09/29/2015 12:18
Dibromochloromethane	ND	H	250	1	09/29/2015 12:18
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 12:18
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 12:18
Dibromomethane	ND	H	250	1	09/29/2015 12:18
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 12:18
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 12:18
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 12:18
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 12:18
1,1-Dichloroethane	ND	H	250	1	09/29/2015 12:18
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 12:18
1,1-Dichloroethene	ND	H	250	1	09/29/2015 12:18
cis-1,2-Dichloroethene	**3400**	H	250	1	09/29/2015 12:18
trans-1,2-Dichloroethene	**950**	H	250	1	09/29/2015 12:18
1,2-Dichloropropane	ND	H	250	1	09/29/2015 12:18
1,3-Dichloropropane	ND	H	250	1	09/29/2015 12:18
2,2-Dichloropropane	ND	H	250	1	09/29/2015 12:18
1,1-Dichloropropene	ND	H	250	1	09/29/2015 12:18
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 12:18
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 12:18
Freon 113	ND	H	250	1	09/29/2015 12:18
Hexachlorobutadiene	ND	H	250	1	09/29/2015 12:18
Hexachloroethane	ND	H	250	1	09/29/2015 12:18
Methylene chloride	ND	H	250	1	09/29/2015 12:18
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 12:18
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 12:18

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-7	1509A76-007A	Air	09/28/2015 11:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**18,000**	H	500	2	09/30/2015 14:27
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 12:18
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 12:18
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 12:18
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 12:18
Trichloroethene	**2800**	H	250	1	09/29/2015 12:18
Trichlorofluoromethane	ND	H	250	1	09/29/2015 12:18
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 12:18
Vinyl Chloride	ND	H	250	1	09/29/2015 12:18

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/29/2015 12:18
Toluene-d8	107	H	70-130	09/29/2015 12:18
4-BFB	105	H	70-130	09/29/2015 12:18

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-8	1509A76-008A	Air	09/28/2015 11:40	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 12:58
Bromochloromethane	ND	H	250	1	09/29/2015 12:58
Bromodichloromethane	ND	H	250	1	09/29/2015 12:58
Bromoform	ND	H	250	1	09/29/2015 12:58
Bromomethane	ND	H	250	1	09/29/2015 12:58
Carbon Tetrachloride	ND	H	250	1	09/29/2015 12:58
Chlorobenzene	ND	H	250	1	09/29/2015 12:58
Chloroethane	ND	H	250	1	09/29/2015 12:58
Chloroform	**570**	H	250	1	09/29/2015 12:58
Chloromethane	ND	H	250	1	09/29/2015 12:58
2-Chlorotoluene	ND	H	250	1	09/29/2015 12:58
4-Chlorotoluene	ND	H	250	1	09/29/2015 12:58
Dibromochloromethane	ND	H	250	1	09/29/2015 12:58
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 12:58
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 12:58
Dibromomethane	ND	H	250	1	09/29/2015 12:58
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 12:58
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 12:58
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 12:58
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 12:58
1,1-Dichloroethane	ND	H	250	1	09/29/2015 12:58
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 12:58
1,1-Dichloroethene	ND	H	250	1	09/29/2015 12:58
cis-1,2-Dichloroethene	**2700**	H	250	1	09/29/2015 12:58
trans-1,2-Dichloroethene	**760**	H	250	1	09/29/2015 12:58
1,2-Dichloropropane	ND	H	250	1	09/29/2015 12:58
1,3-Dichloropropane	ND	H	250	1	09/29/2015 12:58
2,2-Dichloropropane	ND	H	250	1	09/29/2015 12:58
1,1-Dichloropropene	ND	H	250	1	09/29/2015 12:58
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 12:58
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 12:58
Freon 113	ND	H	250	1	09/29/2015 12:58
Hexachlorobutadiene	ND	H	250	1	09/29/2015 12:58
Hexachloroethane	ND	H	250	1	09/29/2015 12:58
Methylene chloride	ND	H	250	1	09/29/2015 12:58
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 12:58
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 12:58

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-8	1509A76-008A	Air	09/28/2015 11:40	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**17,000**	H	250	1	09/29/2015 12:58
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 12:58
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 12:58
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 12:58
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 12:58
Trichloroethene	**2300**	H	250	1	09/29/2015 12:58
Trichlorofluoromethane	ND	H	250	1	09/29/2015 12:58
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 12:58
Vinyl Chloride	ND	H	250	1	09/29/2015 12:58

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 12:58
Toluene-d8	107	H	70-130	09/29/2015 12:58
4-BFB	106	H	70-130	09/29/2015 12:58

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-9	1509A76-009A	Air	09/28/2015 09:15	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 15:30
Bromochloromethane	ND	H	250	1	09/30/2015 15:30
Bromodichloromethane	ND	H	250	1	09/30/2015 15:30
Bromoform	ND	H	250	1	09/30/2015 15:30
Bromomethane	ND	H	250	1	09/30/2015 15:30
Carbon Tetrachloride	ND	H	250	1	09/30/2015 15:30
Chlorobenzene	ND	H	250	1	09/30/2015 15:30
Chloroethane	ND	H	250	1	09/30/2015 15:30
Chloroform	**1800**	H	250	1	09/30/2015 15:30
Chloromethane	ND	H	250	1	09/30/2015 15:30
2-Chlorotoluene	ND	H	250	1	09/30/2015 15:30
4-Chlorotoluene	ND	H	250	1	09/30/2015 15:30
Dibromochloromethane	ND	H	250	1	09/30/2015 15:30
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 15:30
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 15:30
Dibromomethane	ND	H	250	1	09/30/2015 15:30
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 15:30
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 15:30
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 15:30
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 15:30
1,1-Dichloroethane	ND	H	250	1	09/30/2015 15:30
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 15:30
1,1-Dichloroethene	ND	H	250	1	09/30/2015 15:30
cis-1,2-Dichloroethene	**9000**	H	250	1	09/30/2015 15:30
trans-1,2-Dichloroethene	**2500**	H	250	1	09/30/2015 15:30
1,2-Dichloropropane	ND	H	250	1	09/30/2015 15:30
1,3-Dichloropropane	ND	H	250	1	09/30/2015 15:30
2,2-Dichloropropane	ND	H	250	1	09/30/2015 15:30
1,1-Dichloropropene	ND	H	250	1	09/30/2015 15:30
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 15:30
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 15:30
Freon 113	ND	H	250	1	09/30/2015 15:30
Hexachlorobutadiene	ND	H	250	1	09/30/2015 15:30
Hexachloroethane	ND	H	250	1	09/30/2015 15:30
Methylene chloride	ND	H	250	1	09/30/2015 15:30
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 15:30
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 15:30

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-9	1509A76-009A	Air	09/28/2015 09:15	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**32,000**	H	1000	4	09/30/2015 17:24
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 15:30
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 15:30
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 15:30
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 15:30
Trichloroethene	**6800**	H	250	1	09/30/2015 15:30
Trichlorofluoromethane	ND	H	250	1	09/30/2015 15:30
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 15:30
Vinyl Chloride	**270**	H	250	1	09/30/2015 15:30

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 15:30
Toluene-d8	109	H	70-130	09/30/2015 15:30
4-BFB	107	H	70-130	09/30/2015 15:30

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-10	1509A76-010A	Air	09/28/2015 10:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 16:07
Bromochloromethane	ND	H	250	1	09/30/2015 16:07
Bromodichloromethane	ND	H	250	1	09/30/2015 16:07
Bromoform	ND	H	250	1	09/30/2015 16:07
Bromomethane	ND	H	250	1	09/30/2015 16:07
Carbon Tetrachloride	ND	H	250	1	09/30/2015 16:07
Chlorobenzene	ND	H	250	1	09/30/2015 16:07
Chloroethane	ND	H	250	1	09/30/2015 16:07
Chloroform	**500**	H	250	1	09/30/2015 16:07
Chloromethane	ND	H	250	1	09/30/2015 16:07
2-Chlorotoluene	ND	H	250	1	09/30/2015 16:07
4-Chlorotoluene	ND	H	250	1	09/30/2015 16:07
Dibromochloromethane	ND	H	250	1	09/30/2015 16:07
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 16:07
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 16:07
Dibromomethane	ND	H	250	1	09/30/2015 16:07
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 16:07
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 16:07
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 16:07
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 16:07
1,1-Dichloroethane	ND	H	250	1	09/30/2015 16:07
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 16:07
1,1-Dichloroethene	ND	H	250	1	09/30/2015 16:07
cis-1,2-Dichloroethene	**2400**	H	250	1	09/30/2015 16:07
trans-1,2-Dichloroethene	**650**	H	250	1	09/30/2015 16:07
1,2-Dichloropropane	ND	H	250	1	09/30/2015 16:07
1,3-Dichloropropane	ND	H	250	1	09/30/2015 16:07
2,2-Dichloropropane	ND	H	250	1	09/30/2015 16:07
1,1-Dichloropropene	ND	H	250	1	09/30/2015 16:07
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:07
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:07
Freon 113	ND	H	250	1	09/30/2015 16:07
Hexachlorobutadiene	ND	H	250	1	09/30/2015 16:07
Hexachloroethane	ND	H	250	1	09/30/2015 16:07
Methylene chloride	ND	H	250	1	09/30/2015 16:07
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:07
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:07

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
VM-10	1509A76-010A	Air	09/28/2015 10:05	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**14,000**	H	250	1	09/30/2015 16:07
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 16:07
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 16:07
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 16:07
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 16:07
Trichloroethene	**2000**	H	250	1	09/30/2015 16:07
Trichlorofluoromethane	ND	H	250	1	09/30/2015 16:07
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 16:07
Vinyl Chloride	ND	H	250	1	09/30/2015 16:07

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/30/2015 16:07
Toluene-d8	106	H	70-130	09/30/2015 16:07
4-BFB	101	H	70-130	09/30/2015 16:07

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1509A76-011A	Air	09/28/2015 09:35	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 11:40
Bromochloromethane	ND	H	250	1	09/29/2015 11:40
Bromodichloromethane	ND	H	250	1	09/29/2015 11:40
Bromoform	ND	H	250	1	09/29/2015 11:40
Bromomethane	ND	H	250	1	09/29/2015 11:40
Carbon Tetrachloride	ND	H	250	1	09/29/2015 11:40
Chlorobenzene	ND	H	250	1	09/29/2015 11:40
Chloroethane	ND	H	250	1	09/29/2015 11:40
Chloroform	ND	H	250	1	09/29/2015 11:40
Chloromethane	ND	H	250	1	09/29/2015 11:40
2-Chlorotoluene	ND	H	250	1	09/29/2015 11:40
4-Chlorotoluene	ND	H	250	1	09/29/2015 11:40
Dibromochloromethane	ND	H	250	1	09/29/2015 11:40
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 11:40
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 11:40
Dibromomethane	ND	H	250	1	09/29/2015 11:40
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 11:40
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 11:40
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 11:40
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 11:40
1,1-Dichloroethane	ND	H	250	1	09/29/2015 11:40
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 11:40
1,1-Dichloroethene	ND	H	250	1	09/29/2015 11:40
cis-1,2-Dichloroethene	ND	H	250	1	09/29/2015 11:40
trans-1,2-Dichloroethene	ND	H	250	1	09/29/2015 11:40
1,2-Dichloropropane	ND	H	250	1	09/29/2015 11:40
1,3-Dichloropropane	ND	H	250	1	09/29/2015 11:40
2,2-Dichloropropane	ND	H	250	1	09/29/2015 11:40
1,1-Dichloropropene	ND	H	250	1	09/29/2015 11:40
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 11:40
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 11:40
Freon 113	ND	H	250	1	09/29/2015 11:40
Hexachlorobutadiene	ND	H	250	1	09/29/2015 11:40
Hexachloroethane	ND	H	250	1	09/29/2015 11:40
Methylene chloride	ND	H	250	1	09/29/2015 11:40
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 11:40
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 11:40

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-1	1509A76-011A	Air	09/28/2015 09:35	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**360**	H	250	1	09/29/2015 11:40
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 11:40
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 11:40
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 11:40
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 11:40
Trichloroethene	**440**	H	250	1	09/29/2015 11:40
Trichlorofluoromethane	ND	H	250	1	09/29/2015 11:40
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 11:40
Vinyl Chloride	ND	H	250	1	09/29/2015 11:40

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 11:40
Toluene-d8	105	H	70-130	09/29/2015 11:40
4-BFB	107	H	70-130	09/29/2015 11:40

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-2	1509A76-012A	Air	09/28/2015 09:55	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 16:45
Bromochloromethane	ND	H	250	1	09/30/2015 16:45
Bromodichloromethane	ND	H	250	1	09/30/2015 16:45
Bromoform	ND	H	250	1	09/30/2015 16:45
Bromomethane	ND	H	250	1	09/30/2015 16:45
Carbon Tetrachloride	ND	H	250	1	09/30/2015 16:45
Chlorobenzene	ND	H	250	1	09/30/2015 16:45
Chloroethane	ND	H	250	1	09/30/2015 16:45
Chloroform	ND	H	250	1	09/30/2015 16:45
Chloromethane	ND	H	250	1	09/30/2015 16:45
2-Chlorotoluene	ND	H	250	1	09/30/2015 16:45
4-Chlorotoluene	ND	H	250	1	09/30/2015 16:45
Dibromochloromethane	ND	H	250	1	09/30/2015 16:45
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 16:45
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 16:45
Dibromomethane	ND	H	250	1	09/30/2015 16:45
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 16:45
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 16:45
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 16:45
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 16:45
1,1-Dichloroethane	ND	H	250	1	09/30/2015 16:45
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 16:45
1,1-Dichloroethene	ND	H	250	1	09/30/2015 16:45
cis-1,2-Dichloroethene	ND	H	250	1	09/30/2015 16:45
trans-1,2-Dichloroethene	ND	H	250	1	09/30/2015 16:45
1,2-Dichloropropane	ND	H	250	1	09/30/2015 16:45
1,3-Dichloropropane	ND	H	250	1	09/30/2015 16:45
2,2-Dichloropropane	ND	H	250	1	09/30/2015 16:45
1,1-Dichloropropene	ND	H	250	1	09/30/2015 16:45
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:45
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:45
Freon 113	ND	H	250	1	09/30/2015 16:45
Hexachlorobutadiene	ND	H	250	1	09/30/2015 16:45
Hexachloroethane	ND	H	250	1	09/30/2015 16:45
Methylene chloride	ND	H	250	1	09/30/2015 16:45
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:45
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:45

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-2	1509A76-012A	Air	09/28/2015 09:55	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**490**	H	250	1	09/30/2015 16:45
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 16:45
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 16:45
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 16:45
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 16:45
Trichloroethene	**480**	H	250	1	09/30/2015 16:45
Trichlorofluoromethane	ND	H	250	1	09/30/2015 16:45
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 16:45
Vinyl Chloride	ND	H	250	1	09/30/2015 16:45

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 16:45
Toluene-d8	107	H	70-130	09/30/2015 16:45
4-BFB	100	H	70-130	09/30/2015 16:45

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-3	1509A76-013A	Air	09/28/2015 10:10	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 17:23
Bromochloromethane	ND	H	250	1	09/30/2015 17:23
Bromodichloromethane	ND	H	250	1	09/30/2015 17:23
Bromoform	ND	H	250	1	09/30/2015 17:23
Bromomethane	ND	H	250	1	09/30/2015 17:23
Carbon Tetrachloride	ND	H	250	1	09/30/2015 17:23
Chlorobenzene	ND	H	250	1	09/30/2015 17:23
Chloroethane	ND	H	250	1	09/30/2015 17:23
Chloroform	ND	H	250	1	09/30/2015 17:23
Chloromethane	ND	H	250	1	09/30/2015 17:23
2-Chlorotoluene	ND	H	250	1	09/30/2015 17:23
4-Chlorotoluene	ND	H	250	1	09/30/2015 17:23
Dibromochloromethane	ND	H	250	1	09/30/2015 17:23
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 17:23
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 17:23
Dibromomethane	ND	H	250	1	09/30/2015 17:23
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 17:23
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 17:23
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 17:23
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 17:23
1,1-Dichloroethane	ND	H	250	1	09/30/2015 17:23
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 17:23
1,1-Dichloroethene	ND	H	250	1	09/30/2015 17:23
cis-1,2-Dichloroethene	ND	H	250	1	09/30/2015 17:23
trans-1,2-Dichloroethene	ND	H	250	1	09/30/2015 17:23
1,2-Dichloropropane	ND	H	250	1	09/30/2015 17:23
1,3-Dichloropropane	ND	H	250	1	09/30/2015 17:23
2,2-Dichloropropane	ND	H	250	1	09/30/2015 17:23
1,1-Dichloropropene	ND	H	250	1	09/30/2015 17:23
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 17:23
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 17:23
Freon 113	ND	H	250	1	09/30/2015 17:23
Hexachlorobutadiene	ND	H	250	1	09/30/2015 17:23
Hexachloroethane	ND	H	250	1	09/30/2015 17:23
Methylene chloride	ND	H	250	1	09/30/2015 17:23
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 17:23
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 17:23

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-3	1509A76-013A	Air	09/28/2015 10:10	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**670**	H	250	1	09/30/2015 17:23
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 17:23
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 17:23
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 17:23
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 17:23
Trichloroethene	**430**	H	250	1	09/30/2015 17:23
Trichlorofluoromethane	ND	H	250	1	09/30/2015 17:23
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 17:23
Vinyl Chloride	ND	H	250	1	09/30/2015 17:23

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	111	H	70-130	09/30/2015 17:23
Toluene-d8	107	H	70-130	09/30/2015 17:23
4-BFB	98	H	70-130	09/30/2015 17:23

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-4	1509A76-014A	Air	09/28/2015 12:00	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 14:53
Bromochloromethane	ND	H	250	1	09/29/2015 14:53
Bromodichloromethane	ND	H	250	1	09/29/2015 14:53
Bromoform	ND	H	250	1	09/29/2015 14:53
Bromomethane	ND	H	250	1	09/29/2015 14:53
Carbon Tetrachloride	ND	H	250	1	09/29/2015 14:53
Chlorobenzene	ND	H	250	1	09/29/2015 14:53
Chloroethane	ND	H	250	1	09/29/2015 14:53
Chloroform	ND	H	250	1	09/29/2015 14:53
Chloromethane	ND	H	250	1	09/29/2015 14:53
2-Chlorotoluene	ND	H	250	1	09/29/2015 14:53
4-Chlorotoluene	ND	H	250	1	09/29/2015 14:53
Dibromochloromethane	ND	H	250	1	09/29/2015 14:53
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 14:53
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 14:53
Dibromomethane	ND	H	250	1	09/29/2015 14:53
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 14:53
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 14:53
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 14:53
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 14:53
1,1-Dichloroethane	ND	H	250	1	09/29/2015 14:53
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 14:53
1,1-Dichloroethene	ND	H	250	1	09/29/2015 14:53
cis-1,2-Dichloroethene	ND	H	250	1	09/29/2015 14:53
trans-1,2-Dichloroethene	ND	H	250	1	09/29/2015 14:53
1,2-Dichloropropane	ND	H	250	1	09/29/2015 14:53
1,3-Dichloropropane	ND	H	250	1	09/29/2015 14:53
2,2-Dichloropropane	ND	H	250	1	09/29/2015 14:53
1,1-Dichloropropene	ND	H	250	1	09/29/2015 14:53
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 14:53
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 14:53
Freon 113	ND	H	250	1	09/29/2015 14:53
Hexachlorobutadiene	ND	H	250	1	09/29/2015 14:53
Hexachloroethane	ND	H	250	1	09/29/2015 14:53
Methylene chloride	ND	H	250	1	09/29/2015 14:53
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 14:53
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 14:53

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-4	1509A76-014A	Air	09/28/2015 12:00	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**680**	H	250	1	09/29/2015 14:53
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 14:53
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 14:53
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 14:53
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 14:53
Trichloroethene	**510**	H	250	1	09/29/2015 14:53
Trichlorofluoromethane	ND	H	250	1	09/29/2015 14:53
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 14:53
Vinyl Chloride	ND	H	250	1	09/29/2015 14:53

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 14:53
Toluene-d8	106	H	70-130	09/29/2015 14:53
4-BFB	108	H	70-130	09/29/2015 14:53

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-5	1509A76-015A	Air	09/28/2015 10:25	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 18:02
Bromochloromethane	ND	H	250	1	09/30/2015 18:02
Bromodichloromethane	ND	H	250	1	09/30/2015 18:02
Bromoform	ND	H	250	1	09/30/2015 18:02
Bromomethane	ND	H	250	1	09/30/2015 18:02
Carbon Tetrachloride	ND	H	250	1	09/30/2015 18:02
Chlorobenzene	ND	H	250	1	09/30/2015 18:02
Chloroethane	ND	H	250	1	09/30/2015 18:02
Chloroform	ND	H	250	1	09/30/2015 18:02
Chloromethane	ND	H	250	1	09/30/2015 18:02
2-Chlorotoluene	ND	H	250	1	09/30/2015 18:02
4-Chlorotoluene	ND	H	250	1	09/30/2015 18:02
Dibromochloromethane	ND	H	250	1	09/30/2015 18:02
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 18:02
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 18:02
Dibromomethane	ND	H	250	1	09/30/2015 18:02
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 18:02
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 18:02
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 18:02
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 18:02
1,1-Dichloroethane	ND	H	250	1	09/30/2015 18:02
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 18:02
1,1-Dichloroethene	ND	H	250	1	09/30/2015 18:02
cis-1,2-Dichloroethene	ND	H	250	1	09/30/2015 18:02
trans-1,2-Dichloroethene	ND	H	250	1	09/30/2015 18:02
1,2-Dichloropropane	ND	H	250	1	09/30/2015 18:02
1,3-Dichloropropane	ND	H	250	1	09/30/2015 18:02
2,2-Dichloropropane	ND	H	250	1	09/30/2015 18:02
1,1-Dichloropropene	ND	H	250	1	09/30/2015 18:02
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 18:02
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 18:02
Freon 113	ND	H	250	1	09/30/2015 18:02
Hexachlorobutadiene	ND	H	250	1	09/30/2015 18:02
Hexachloroethane	ND	H	250	1	09/30/2015 18:02
Methylene chloride	ND	H	250	1	09/30/2015 18:02
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 18:02
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 18:02

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-5	1509A76-015A	Air	09/28/2015 10:25	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**530**	H	250	1	09/30/2015 18:02
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 18:02
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 18:02
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 18:02
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 18:02
Trichloroethene	**470**	H	250	1	09/30/2015 18:02
Trichlorofluoromethane	ND	H	250	1	09/30/2015 18:02
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 18:02
Vinyl Chloride	ND	H	250	1	09/30/2015 18:02

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 18:02
Toluene-d8	107	H	70-130	09/30/2015 18:02
4-BFB	102	H	70-130	09/30/2015 18:02

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6	1509A76-016A	Air	09/28/2015 10:45	GC16	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 16:41
Bromochloromethane	ND	H	250	1	09/30/2015 16:41
Bromodichloromethane	ND	H	250	1	09/30/2015 16:41
Bromoform	ND	H	250	1	09/30/2015 16:41
Bromomethane	ND	H	250	1	09/30/2015 16:41
Carbon Tetrachloride	ND	H	250	1	09/30/2015 16:41
Chlorobenzene	ND	H	250	1	09/30/2015 16:41
Chloroethane	ND	H	250	1	09/30/2015 16:41
Chloroform	ND	H	250	1	09/30/2015 16:41
Chloromethane	ND	H	250	1	09/30/2015 16:41
2-Chlorotoluene	ND	H	250	1	09/30/2015 16:41
4-Chlorotoluene	ND	H	250	1	09/30/2015 16:41
Dibromochloromethane	ND	H	250	1	09/30/2015 16:41
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 16:41
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 16:41
Dibromomethane	ND	H	250	1	09/30/2015 16:41
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 16:41
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 16:41
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 16:41
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 16:41
1,1-Dichloroethane	ND	H	250	1	09/30/2015 16:41
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 16:41
1,1-Dichloroethene	ND	H	250	1	09/30/2015 16:41
cis-1,2-Dichloroethene	ND	H	250	1	09/30/2015 16:41
trans-1,2-Dichloroethene	ND	H	250	1	09/30/2015 16:41
1,2-Dichloropropane	ND	H	250	1	09/30/2015 16:41
1,3-Dichloropropane	ND	H	250	1	09/30/2015 16:41
2,2-Dichloropropane	ND	H	250	1	09/30/2015 16:41
1,1-Dichloropropene	ND	H	250	1	09/30/2015 16:41
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:41
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 16:41
Freon 113	ND	H	250	1	09/30/2015 16:41
Hexachlorobutadiene	ND	H	250	1	09/30/2015 16:41
Hexachloroethane	ND	H	250	1	09/30/2015 16:41
Methylene chloride	ND	H	250	1	09/30/2015 16:41
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:41
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 16:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6	1509A76-016A	Air	09/28/2015 10:45	GC16	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**640**	H	250	1	09/30/2015 16:41
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 16:41
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 16:41
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 16:41
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 16:41
Trichloroethene	**420**	H	250	1	09/30/2015 16:41
Trichlorofluoromethane	ND	H	250	1	09/30/2015 16:41
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 16:41
Vinyl Chloride	ND	H	250	1	09/30/2015 16:41

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	96	H	70-130	09/30/2015 16:41
Toluene-d8	93	H	70-130	09/30/2015 16:41
4-BFB	94	H	70-130	09/30/2015 16:41

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-7	1509A76-017A	Air	09/28/2015 11:25	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 16:15
Bromochloromethane	ND	H	250	1	09/29/2015 16:15
Bromodichloromethane	ND	H	250	1	09/29/2015 16:15
Bromoform	ND	H	250	1	09/29/2015 16:15
Bromomethane	ND	H	250	1	09/29/2015 16:15
Carbon Tetrachloride	ND	H	250	1	09/29/2015 16:15
Chlorobenzene	ND	H	250	1	09/29/2015 16:15
Chloroethane	ND	H	250	1	09/29/2015 16:15
Chloroform	ND	H	250	1	09/29/2015 16:15
Chloromethane	ND	H	250	1	09/29/2015 16:15
2-Chlorotoluene	ND	H	250	1	09/29/2015 16:15
4-Chlorotoluene	ND	H	250	1	09/29/2015 16:15
Dibromochloromethane	ND	H	250	1	09/29/2015 16:15
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 16:15
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 16:15
Dibromomethane	ND	H	250	1	09/29/2015 16:15
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 16:15
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 16:15
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 16:15
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 16:15
1,1-Dichloroethane	ND	H	250	1	09/29/2015 16:15
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 16:15
1,1-Dichloroethene	ND	H	250	1	09/29/2015 16:15
cis-1,2-Dichloroethene	ND	H	250	1	09/29/2015 16:15
trans-1,2-Dichloroethene	ND	H	250	1	09/29/2015 16:15
1,2-Dichloropropane	ND	H	250	1	09/29/2015 16:15
1,3-Dichloropropane	ND	H	250	1	09/29/2015 16:15
2,2-Dichloropropane	ND	H	250	1	09/29/2015 16:15
1,1-Dichloropropene	ND	H	250	1	09/29/2015 16:15
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 16:15
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 16:15
Freon 113	ND	H	250	1	09/29/2015 16:15
Hexachlorobutadiene	ND	H	250	1	09/29/2015 16:15
Hexachloroethane	ND	H	250	1	09/29/2015 16:15
Methylene chloride	ND	H	250	1	09/29/2015 16:15
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 16:15
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 16:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-7	1509A76-017A	Air	09/28/2015 11:25	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**740**	H	250	1	09/29/2015 16:15
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 16:15
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 16:15
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 16:15
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 16:15
Trichloroethene	**500**	H	250	1	09/29/2015 16:15
Trichlorofluoromethane	ND	H	250	1	09/29/2015 16:15
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 16:15
Vinyl Chloride	ND	H	250	1	09/29/2015 16:15

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	114	H	70-130	09/29/2015 16:15
Toluene-d8	105	H	70-130	09/29/2015 16:15
4-BFB	98	H	70-130	09/29/2015 16:15

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-8	1509A76-018A	Air	09/28/2015 11:45	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/30/2015 20:42
Bromochloromethane	ND	H	250	1	09/30/2015 20:42
Bromodichloromethane	ND	H	250	1	09/30/2015 20:42
Bromoform	ND	H	250	1	09/30/2015 20:42
Bromomethane	ND	H	250	1	09/30/2015 20:42
Carbon Tetrachloride	ND	H	250	1	09/30/2015 20:42
Chlorobenzene	ND	H	250	1	09/30/2015 20:42
Chloroethane	ND	H	250	1	09/30/2015 20:42
Chloroform	ND	H	250	1	09/30/2015 20:42
Chloromethane	ND	H	250	1	09/30/2015 20:42
2-Chlorotoluene	ND	H	250	1	09/30/2015 20:42
4-Chlorotoluene	ND	H	250	1	09/30/2015 20:42
Dibromochloromethane	ND	H	250	1	09/30/2015 20:42
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/30/2015 20:42
1,2-Dibromoethane (EDB)	ND	H	250	1	09/30/2015 20:42
Dibromomethane	ND	H	250	1	09/30/2015 20:42
1,2-Dichlorobenzene	ND	H	250	1	09/30/2015 20:42
1,3-Dichlorobenzene	ND	H	250	1	09/30/2015 20:42
1,4-Dichlorobenzene	ND	H	250	1	09/30/2015 20:42
Dichlorodifluoromethane	ND	H	250	1	09/30/2015 20:42
1,1-Dichloroethane	ND	H	250	1	09/30/2015 20:42
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/30/2015 20:42
1,1-Dichloroethene	ND	H	250	1	09/30/2015 20:42
cis-1,2-Dichloroethene	ND	H	250	1	09/30/2015 20:42
trans-1,2-Dichloroethene	ND	H	250	1	09/30/2015 20:42
1,2-Dichloropropane	ND	H	250	1	09/30/2015 20:42
1,3-Dichloropropane	ND	H	250	1	09/30/2015 20:42
2,2-Dichloropropane	ND	H	250	1	09/30/2015 20:42
1,1-Dichloropropene	ND	H	250	1	09/30/2015 20:42
cis-1,3-Dichloropropene	ND	H	250	1	09/30/2015 20:42
trans-1,3-Dichloropropene	ND	H	250	1	09/30/2015 20:42
Freon 113	ND	H	250	1	09/30/2015 20:42
Hexachlorobutadiene	ND	H	250	1	09/30/2015 20:42
Hexachloroethane	ND	H	250	1	09/30/2015 20:42
Methylene chloride	ND	H	250	1	09/30/2015 20:42
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/30/2015 20:42
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/30/2015 20:42

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-8	1509A76-018A	Air	09/28/2015 11:45	GC28	110967

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**710**	H	250	1	09/30/2015 20:42
1,2,3-Trichlorobenzene	ND	H	250	1	09/30/2015 20:42
1,2,4-Trichlorobenzene	ND	H	250	1	09/30/2015 20:42
1,1,1-Trichloroethane	ND	H	250	1	09/30/2015 20:42
1,1,2-Trichloroethane	ND	H	250	1	09/30/2015 20:42
Trichloroethene	**510**	H	250	1	09/30/2015 20:42
Trichlorofluoromethane	ND	H	250	1	09/30/2015 20:42
1,2,3-Trichloropropane	ND	H	250	1	09/30/2015 20:42
Vinyl Chloride	ND	H	250	1	09/30/2015 20:42

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	09/30/2015 20:42
Toluene-d8	107	H	70-130	09/30/2015 20:42
4-BFB	100	H	70-130	09/30/2015 20:42

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-9	1509A76-019A	Air	09/28/2015 09:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 16:54
Bromochloromethane	ND	H	250	1	09/29/2015 16:54
Bromodichloromethane	ND	H	250	1	09/29/2015 16:54
Bromoform	ND	H	250	1	09/29/2015 16:54
Bromomethane	ND	H	250	1	09/29/2015 16:54
Carbon Tetrachloride	ND	H	250	1	09/29/2015 16:54
Chlorobenzene	ND	H	250	1	09/29/2015 16:54
Chloroethane	ND	H	250	1	09/29/2015 16:54
Chloroform	ND	H	250	1	09/29/2015 16:54
Chloromethane	ND	H	250	1	09/29/2015 16:54
2-Chlorotoluene	ND	H	250	1	09/29/2015 16:54
4-Chlorotoluene	ND	H	250	1	09/29/2015 16:54
Dibromochloromethane	ND	H	250	1	09/29/2015 16:54
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 16:54
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 16:54
Dibromomethane	ND	H	250	1	09/29/2015 16:54
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 16:54
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 16:54
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 16:54
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 16:54
1,1-Dichloroethane	ND	H	250	1	09/29/2015 16:54
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 16:54
1,1-Dichloroethene	ND	H	250	1	09/29/2015 16:54
cis-1,2-Dichloroethene	ND	H	250	1	09/29/2015 16:54
trans-1,2-Dichloroethene	ND	H	250	1	09/29/2015 16:54
1,2-Dichloropropane	ND	H	250	1	09/29/2015 16:54
1,3-Dichloropropane	ND	H	250	1	09/29/2015 16:54
2,2-Dichloropropane	ND	H	250	1	09/29/2015 16:54
1,1-Dichloropropene	ND	H	250	1	09/29/2015 16:54
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 16:54
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 16:54
Freon 113	ND	H	250	1	09/29/2015 16:54
Hexachlorobutadiene	ND	H	250	1	09/29/2015 16:54
Hexachloroethane	ND	H	250	1	09/29/2015 16:54
Methylene chloride	ND	H	250	1	09/29/2015 16:54
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 16:54
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 16:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-9	1509A76-019A	Air	09/28/2015 09:20	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**610**	H	250	1	09/29/2015 16:54
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 16:54
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 16:54
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 16:54
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 16:54
Trichloroethene	**520**	H	250	1	09/29/2015 16:54
Trichlorofluoromethane	ND	H	250	1	09/29/2015 16:54
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 16:54
Vinyl Chloride	ND	H	250	1	09/29/2015 16:54

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	09/29/2015 16:54
Toluene-d8	106	H	70-130	09/29/2015 16:54
4-BFB	104	H	70-130	09/29/2015 16:54

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-10	1509A76-020A	Air	09/28/2015 10:10	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	09/29/2015 13:36
Bromochloromethane	ND	H	250	1	09/29/2015 13:36
Bromodichloromethane	ND	H	250	1	09/29/2015 13:36
Bromoform	ND	H	250	1	09/29/2015 13:36
Bromomethane	ND	H	250	1	09/29/2015 13:36
Carbon Tetrachloride	ND	H	250	1	09/29/2015 13:36
Chlorobenzene	ND	H	250	1	09/29/2015 13:36
Chloroethane	ND	H	250	1	09/29/2015 13:36
Chloroform	ND	H	250	1	09/29/2015 13:36
Chloromethane	ND	H	250	1	09/29/2015 13:36
2-Chlorotoluene	ND	H	250	1	09/29/2015 13:36
4-Chlorotoluene	ND	H	250	1	09/29/2015 13:36
Dibromochloromethane	ND	H	250	1	09/29/2015 13:36
1,2-Dibromo-3-chloropropane	ND	H	250	1	09/29/2015 13:36
1,2-Dibromoethane (EDB)	ND	H	250	1	09/29/2015 13:36
Dibromomethane	ND	H	250	1	09/29/2015 13:36
1,2-Dichlorobenzene	ND	H	250	1	09/29/2015 13:36
1,3-Dichlorobenzene	ND	H	250	1	09/29/2015 13:36
1,4-Dichlorobenzene	ND	H	250	1	09/29/2015 13:36
Dichlorodifluoromethane	ND	H	250	1	09/29/2015 13:36
1,1-Dichloroethane	ND	H	250	1	09/29/2015 13:36
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	09/29/2015 13:36
1,1-Dichloroethene	ND	H	250	1	09/29/2015 13:36
cis-1,2-Dichloroethene	ND	H	250	1	09/29/2015 13:36
trans-1,2-Dichloroethene	ND	H	250	1	09/29/2015 13:36
1,2-Dichloropropane	ND	H	250	1	09/29/2015 13:36
1,3-Dichloropropane	ND	H	250	1	09/29/2015 13:36
2,2-Dichloropropane	ND	H	250	1	09/29/2015 13:36
1,1-Dichloropropene	ND	H	250	1	09/29/2015 13:36
cis-1,3-Dichloropropene	ND	H	250	1	09/29/2015 13:36
trans-1,3-Dichloropropene	ND	H	250	1	09/29/2015 13:36
Freon 113	ND	H	250	1	09/29/2015 13:36
Hexachlorobutadiene	ND	H	250	1	09/29/2015 13:36
Hexachloroethane	ND	H	250	1	09/29/2015 13:36
Methylene chloride	ND	H	250	1	09/29/2015 13:36
1,1,1,2-Tetrachloroethane	ND	H	250	1	09/29/2015 13:36
1,1,2,2-Tetrachloroethane	ND	H	250	1	09/29/2015 13:36

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Received:	9/28/15 15:03	**Extraction Method:**	SW5030B
Date Prepared:	9/29/15-9/30/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-10	1509A76-020A	Air	09/28/2015 10:10	GC28	110900

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**640**	H	250	1	09/29/2015 13:36
1,2,3-Trichlorobenzene	ND	H	250	1	09/29/2015 13:36
1,2,4-Trichlorobenzene	ND	H	250	1	09/29/2015 13:36
1,1,1-Trichloroethane	ND	H	250	1	09/29/2015 13:36
1,1,2-Trichloroethane	ND	H	250	1	09/29/2015 13:36
Trichloroethene	**410**	H	250	1	09/29/2015 13:36
Trichlorofluoromethane	ND	H	250	1	09/29/2015 13:36
1,2,3-Trichloropropane	ND	H	250	1	09/29/2015 13:36
Vinyl Chloride	ND	H	250	1	09/29/2015 13:36

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	H	70-130	09/29/2015 13:36
Toluene-d8	106	H	70-130	09/29/2015 13:36
4-BFB	107	H	70-130	09/29/2015 13:36

Analyst(s): AK

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Prepared:	9/29/15	**BatchID:**	110900
Date Analyzed:	9/29/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-110900 1509B35-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	8.95	0.50	10	-	90	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.80	0.50	10	-	88	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	9.80	0.50	10	-	98	66-125
1,1-Dichloroethene	ND	10.0	0.50	10	-	100	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Prepared:	9/29/15	**BatchID:**	110900
Date Analyzed:	9/29/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-110900 1509B35-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.59	0.50	10	-	96	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	28.1	27.8		25	112	111	70-130
Toluene-d8	26.4	26.9		25	106	108	70-130
4-BFB	2.66	2.62		2.5	106	105	70-130

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

QA/QC Officer

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Prepared:	9/29/15	**BatchID:**	110900
Date Analyzed:	9/29/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-110900 1509B35-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chlorobenzene	9.30	9.12	10	ND	93	91	77-120	1.92	20
1,2-Dibromoethane (EDB)	10.0	10.1	10	ND	100	101	76-135	0.667	20
1,2-Dichloroethane (1,2-DCA)	11.3	11.0	10	ND	113	110	73-139	2.40	20
1,1-Dichloroethene	10.2	10.1	10	ND	102	101	59-140	1.03	20
Trichloroethene	9.99	9.91	10	ND	100	99	64-132	0.871	20
Surrogate Recovery									
Dibromofluoromethane	28.9	28.9	25		116	116	70-130	0	20
Toluene-d8	25.9	25.8	25		103	103	70-130	0	20
4-BFB	2.56	2.61	2.5		103	104	70-130	1.72	20

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Prepared:	9/30/15	**BatchID:**	110967
Date Analyzed:	9/30/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-110967

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	11.2	0.50	10	-	112	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	10.4	0.50	10	-	104	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	11.6	0.50	10	-	116	66-125
1,1-Dichloroethene	ND	12.0	0.50	10	-	119	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1509A76
Date Prepared:	9/30/15	**BatchID:**	110967
Date Analyzed:	9/30/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-110967

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	11.7	0.50	10	-	117	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	27.8	27.4		25	111	110	70-130
Toluene-d8	26.9	27.0		25	108	108	70-130
4-BFB	2.59	2.68		2.5	104	107	70-130

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1509A76 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO:
ProjectNo: 261829; Foothill Square

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: **5 days;**

Date Received: **09/28/2015**
Date Printed: **09/30/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1509A76-001	VM-1	Air	9/28/2015 9:30	☐	A	A	A									
1509A76-002	VM-2	Air	9/28/2015 9:50	☐	A	A										
1509A76-003	VM-3	Air	9/28/2015 11:05	☐	A	A										
1509A76-004	VM-4	Air	9/28/2015 11:55	☐	A	A										
1509A76-005	VM-5	Air	9/28/2015 10:20	☐	A	A										
1509A76-006	VM-6	Air	9/28/2015 10:40	☐	A	A										
1509A76-007	VM-7	Air	9/28/2015 11:20	☐	A	A										
1509A76-008	VM-8	Air	9/28/2015 11:40	☐	A	A										
1509A76-009	VM-9	Air	9/28/2015 9:15	☐	A	A										
1509A76-010	VM-10	Air	9/28/2015 10:05	☐	A	A										
1509A76-011	SS-1	Air	9/28/2015 9:35	☐	A	A										
1509A76-012	SS-2	Air	9/28/2015 9:55	☐	A	A										
1509A76-013	SS-3	Air	9/28/2015 10:10	☐	A	A										
1509A76-014	SS-4	Air	9/28/2015 12:00	☐	A	A										
1509A76-015	SS-5	Air	9/28/2015 10:25	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3	PREDF REPORT	4	
5		6		7		8	
9		10		11		12	

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1509A76 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO:
ProjectNo: 261829; Foothill Square

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: **5 days;**

Date Received: **09/28/2015**
Date Printed: **09/30/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1509A76-016	SS-6	Air	9/28/2015 10:45	☐	A	A										
1509A76-017	SS-7	Air	9/28/2015 11:25	☐	A	A										
1509A76-018	SS-8	Air	9/28/2015 11:45	☐	A	A										
1509A76-019	SS-9	Air	9/28/2015 9:20	☐	A	A										
1509A76-020	SS-10	Air	9/28/2015 10:10	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3	PREDF REPORT	4	
5		6		7		8	
9		10		11		12	

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015A, 016A, 017A, 018A, 019A, 020A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: 261829; Foothill Square
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1509A76
Date Received: 9/28/2015

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1509A76-001A	VM-1	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:30	5 days		☐	
1509A76-002A	VM-2	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:50	5 days		☐	
1509A76-003A	VM-3	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:05	5 days		☐	
1509A76-004A	VM-4	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:55	5 days		☐	
1509A76-005A	VM-5	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:20	5 days		☐	
1509A76-006A	VM-6	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:40	5 days		☐	
1509A76-007A	VM-7	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:20	5 days		☐	
1509A76-008A	VM-8	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:40	5 days		☐	
1509A76-009A	VM-9	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:15	5 days		☐	
1509A76-010A	VM-10	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:05	5 days		☐	
1509A76-011A	SS-1	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:35	5 days		☐	
1509A76-012A	SS-2	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:55	5 days		☐	
1509A76-013A	SS-3	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:10	5 days		☐	
1509A76-014A	SS-4	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 12:00	5 days		☐	
1509A76-015A	SS-5	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:25	5 days		☐	
1509A76-016A	SS-6	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:45	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: 261829; Foothill Square
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1509A76
Date Received: 9/28/2015

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1509A76-017A	SS-7	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:25	5 days		☐	
1509A76-018A	SS-8	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 11:45	5 days		☐	
1509A76-019A	SS-9	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 9:20	5 days		☐	
1509A76-020A	SS-10	Air	HVOCs by GCMS	1	Tedlar	☐	9/28/2015 10:10	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1509A76

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

EDF Required? ■ Yes ☐ No

Report To: Jeremy Smith **Bill To:** same **P.O. #** 94124
Company: AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597 **E-Mail:** jasmith@aeiconsultants.com
Tele: (925) 746-6000 **Fax:** (925) 746-6099
Project #: 261829 **Project Name:** Foothill Square
Project Location: 10700 MacArthur Blvd. Oakland, CA
Sampler Signature: [signature]

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
VM-1		9-28-15	0930	1	tb			X						
VM-2			0950	1	tb			X						
VM-3			1105	1	tb			X						
VM-4			1155	1	tb			X						
VM-5			1020	1	tb			X						
VM-6			1040	1	tb			X						
VM-7			1120	1	tb			X						
VM-8			1140	1	tb			X						
VM-9			0915	1	tb			X						
VM-10			1005	1	tb			X						
SS-1			0935	1	tb			X						
SS-2			0955	1	tb			X						
SS-3			1110	1	tb			X						
SS-4			1200	1	tb			X						

Analysis Request

SAMPLE ID	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015) w/silica Gel Cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
VM-1					X												
VM-2					X												
VM-3					X												
VM-4					X												
VM-5					X												
VM-6					X												
VM-7					X												
VM-8					X												
VM-9					X												
VM-10					X												
SS-1					X												
SS-2					X												
SS-3					X												
SS-4					X												

Relinquished By:	Date:	Time:	Received By:
[signature]	9-28-15	1310	[signature]
[signature]	9-28-15	1430	[signature]

ICE/t° [illegible]
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION				

APPROPRIATE CONTAINERS_____
PERSERVED IN LAB_____

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

EDF Required? ■ Yes ☐ No

Report To: Jeremy Smith **Bill To:** same **P.O. # 94124**

Company: AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597 **E-Mail:** jasmith@aeiconsultants.com

Tele: (925) 746-6000 **Fax:** (925) 746-6099

Project #: 261829 **Project Name:** Foothill Square

Project Location: 10700 MacArthur Blvd. Oakland, CA

Sampler Signature: John Siggs

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
SS-5		9-28-15	1025	1	tb			X						
SS-6			1045	1	tb			X						
SS-7			1125	1	tb			X						
SS-8			1145	1	tb			X						
SS-9			0920	1	tb			X						
SS-10			1010	1	tb			X						

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015) w/silica Gel Cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
				X										
				X										
				X										
				X										
				X										
				X										

Other | **Comments**

Relinquished By:	Date:	Time:	Received By:
John Siggs	9-28-15	1310	
	9-29-15	1420	

ICE/t° _____ VOAS | O&G | METALS | OTHER
GOOD CONDITION _____ PRESERVATION _____
HEAD SPACE ABSENT _____ APPROPRIATE
DECHLORINATED IN LAB _____ CONTAINERS _____
PERSERVED IN LAB _____

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **9/28/2015 3:03:52 PM**

Project Name: **261829; Foothill Square**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1509A76** Matrix: Air
Carrier: Bernie Cummins (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	
Sample/Temp Blank temperature	Temp:				NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☐	No	☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1506780

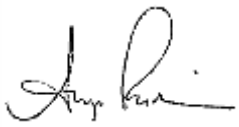
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: 87465
Project Name: #261829; Foothill Square

Project Received: 06/18/2015

Analytical Report reviewed & approved for release on 06/23/2015 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #261829; Foothill Square
WorkOrder: 1506780

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	samples were analyzed out of holding time

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1506780-001A	Air	06/18/2015 10:15	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	06/19/2015 16:41
Bromochloromethane	ND	H	0.25	1	06/19/2015 16:41
Bromodichloromethane	ND	H	0.25	1	06/19/2015 16:41
Bromoform	ND	H	0.25	1	06/19/2015 16:41
Bromomethane	ND	H	0.25	1	06/19/2015 16:41
Carbon Tetrachloride	ND	H	0.25	1	06/19/2015 16:41
Chlorobenzene	ND	H	0.25	1	06/19/2015 16:41
Chloroethane	ND	H	0.25	1	06/19/2015 16:41
Chloroform	ND	H	0.25	1	06/19/2015 16:41
Chloromethane	ND	H	0.25	1	06/19/2015 16:41
2-Chlorotoluene	ND	H	0.25	1	06/19/2015 16:41
4-Chlorotoluene	ND	H	0.25	1	06/19/2015 16:41
Dibromochloromethane	ND	H	0.25	1	06/19/2015 16:41
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	06/19/2015 16:41
1,2-Dibromoethane (EDB)	ND	H	0.25	1	06/19/2015 16:41
Dibromomethane	ND	H	0.25	1	06/19/2015 16:41
1,2-Dichlorobenzene	ND	H	0.25	1	06/19/2015 16:41
1,3-Dichlorobenzene	ND	H	0.25	1	06/19/2015 16:41
1,4-Dichlorobenzene	ND	H	0.25	1	06/19/2015 16:41
Dichlorodifluoromethane	ND	H	0.25	1	06/19/2015 16:41
1,1-Dichloroethane	ND	H	0.25	1	06/19/2015 16:41
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	06/19/2015 16:41
1,1-Dichloroethene	ND	H	0.25	1	06/19/2015 16:41
cis-1,2-Dichloroethene	**0.27**	H	0.25	1	06/19/2015 16:41
trans-1,2-Dichloroethene	ND	H	0.25	1	06/19/2015 16:41
1,2-Dichloropropane	ND	H	0.25	1	06/19/2015 16:41
1,3-Dichloropropane	ND	H	0.25	1	06/19/2015 16:41
2,2-Dichloropropane	ND	H	0.25	1	06/19/2015 16:41
1,1-Dichloropropene	ND	H	0.25	1	06/19/2015 16:41
cis-1,3-Dichloropropene	ND	H	0.25	1	06/19/2015 16:41
trans-1,3-Dichloropropene	ND	H	0.25	1	06/19/2015 16:41
Freon 113	ND	H	0.25	1	06/19/2015 16:41
Hexachlorobutadiene	ND	H	0.25	1	06/19/2015 16:41
Hexachloroethane	ND	H	0.25	1	06/19/2015 16:41
Methylene chloride	ND	H	0.25	1	06/19/2015 16:41
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	06/19/2015 16:41
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	06/19/2015 16:41
Tetrachloroethene	**4.5**	H	0.25	1	06/19/2015 16:41

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1506780-001A	Air	06/18/2015 10:15	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	0.25	1	06/19/2015 16:41
1,2,4-Trichlorobenzene	ND	H	0.25	1	06/19/2015 16:41
1,1,1-Trichloroethane	ND	H	0.25	1	06/19/2015 16:41
1,1,2-Trichloroethane	ND	H	0.25	1	06/19/2015 16:41
Trichloroethene	**0.34**	H	0.25	1	06/19/2015 16:41
Trichlorofluoromethane	ND	H	0.25	1	06/19/2015 16:41
1,2,3-Trichloropropane	ND	H	0.25	1	06/19/2015 16:41
Vinyl Chloride	ND	H	0.25	1	06/19/2015 16:41

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	06/19/2015 16:41
Toluene-d8	111	H	70-130	06/19/2015 16:41
4-BFB	110	H	70-130	06/19/2015 16:41

Analyst(s): AK

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1506780-002A	Air	06/18/2015 10:11	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5.0	20	06/20/2015 14:27
Bromochloromethane	ND	H	5.0	20	06/20/2015 14:27
Bromodichloromethane	ND	H	5.0	20	06/20/2015 14:27
Bromoform	ND	H	5.0	20	06/20/2015 14:27
Bromomethane	ND	H	5.0	20	06/20/2015 14:27
Carbon Tetrachloride	ND	H	5.0	20	06/20/2015 14:27
Chlorobenzene	ND	H	5.0	20	06/20/2015 14:27
Chloroethane	ND	H	5.0	20	06/20/2015 14:27
Chloroform	ND	H	5.0	20	06/20/2015 14:27
Chloromethane	ND	H	5.0	20	06/20/2015 14:27
2-Chlorotoluene	ND	H	5.0	20	06/20/2015 14:27
4-Chlorotoluene	ND	H	5.0	20	06/20/2015 14:27
Dibromochloromethane	ND	H	5.0	20	06/20/2015 14:27
1,2-Dibromo-3-chloropropane	ND	H	5.0	20	06/20/2015 14:27
1,2-Dibromoethane (EDB)	ND	H	5.0	20	06/20/2015 14:27
Dibromomethane	ND	H	5.0	20	06/20/2015 14:27
1,2-Dichlorobenzene	ND	H	5.0	20	06/20/2015 14:27
1,3-Dichlorobenzene	ND	H	5.0	20	06/20/2015 14:27
1,4-Dichlorobenzene	ND	H	5.0	20	06/20/2015 14:27
Dichlorodifluoromethane	ND	H	5.0	20	06/20/2015 14:27
1,1-Dichloroethane	ND	H	5.0	20	06/20/2015 14:27
1,2-Dichloroethane (1,2-DCA)	ND	H	5.0	20	06/20/2015 14:27
1,1-Dichloroethene	ND	H	5.0	20	06/20/2015 14:27
cis-1,2-Dichloroethene	ND	H	5.0	20	06/20/2015 14:27
trans-1,2-Dichloroethene	ND	H	5.0	20	06/20/2015 14:27
1,2-Dichloropropane	ND	H	5.0	20	06/20/2015 14:27
1,3-Dichloropropane	ND	H	5.0	20	06/20/2015 14:27
2,2-Dichloropropane	ND	H	5.0	20	06/20/2015 14:27
1,1-Dichloropropene	ND	H	5.0	20	06/20/2015 14:27
cis-1,3-Dichloropropene	ND	H	5.0	20	06/20/2015 14:27
trans-1,3-Dichloropropene	ND	H	5.0	20	06/20/2015 14:27
Freon 113	ND	H	5.0	20	06/20/2015 14:27
Hexachlorobutadiene	ND	H	5.0	20	06/20/2015 14:27
Hexachloroethane	ND	H	5.0	20	06/20/2015 14:27
Methylene chloride	ND	H	5.0	20	06/20/2015 14:27
1,1,1,2-Tetrachloroethane	ND	H	5.0	20	06/20/2015 14:27
1,1,2,2-Tetrachloroethane	ND	H	5.0	20	06/20/2015 14:27
Tetrachloroethene	**130**	H	5.0	20	06/20/2015 14:27

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1506780-002A	Air	06/18/2015 10:11	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	5.0	20	06/20/2015 14:27
1,2,4-Trichlorobenzene	ND	H	5.0	20	06/20/2015 14:27
1,1,1-Trichloroethane	ND	H	5.0	20	06/20/2015 14:27
1,1,2-Trichloroethane	ND	H	5.0	20	06/20/2015 14:27
Trichloroethene	ND	H	5.0	20	06/20/2015 14:27
Trichlorofluoromethane	ND	H	5.0	20	06/20/2015 14:27
1,2,3-Trichloropropane	ND	H	5.0	20	06/20/2015 14:27
Vinyl Chloride	ND	H	5.0	20	06/20/2015 14:27

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	110	H	70-130	06/20/2015 14:27
Toluene-d8	109	H	70-130	06/20/2015 14:27
4-BFB	107	H	70-130	06/20/2015 14:27

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1506780-001A	Air	06/18/2015 10:15	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	06/19/2015 16:41
Bromochloromethane	ND	H	250	1	06/19/2015 16:41
Bromodichloromethane	ND	H	250	1	06/19/2015 16:41
Bromoform	ND	H	250	1	06/19/2015 16:41
Bromomethane	ND	H	250	1	06/19/2015 16:41
Carbon Tetrachloride	ND	H	250	1	06/19/2015 16:41
Chlorobenzene	ND	H	250	1	06/19/2015 16:41
Chloroethane	ND	H	250	1	06/19/2015 16:41
Chloroform	ND	H	250	1	06/19/2015 16:41
Chloromethane	ND	H	250	1	06/19/2015 16:41
2-Chlorotoluene	ND	H	250	1	06/19/2015 16:41
4-Chlorotoluene	ND	H	250	1	06/19/2015 16:41
Dibromochloromethane	ND	H	250	1	06/19/2015 16:41
1,2-Dibromo-3-chloropropane	ND	H	250	1	06/19/2015 16:41
1,2-Dibromoethane (EDB)	ND	H	250	1	06/19/2015 16:41
Dibromomethane	ND	H	250	1	06/19/2015 16:41
1,2-Dichlorobenzene	ND	H	250	1	06/19/2015 16:41
1,3-Dichlorobenzene	ND	H	250	1	06/19/2015 16:41
1,4-Dichlorobenzene	ND	H	250	1	06/19/2015 16:41
Dichlorodifluoromethane	ND	H	250	1	06/19/2015 16:41
1,1-Dichloroethane	ND	H	250	1	06/19/2015 16:41
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	06/19/2015 16:41
1,1-Dichloroethene	ND	H	250	1	06/19/2015 16:41
cis-1,2-Dichloroethene	**270**	H	250	1	06/19/2015 16:41
trans-1,2-Dichloroethene	ND	H	250	1	06/19/2015 16:41
1,2-Dichloropropane	ND	H	250	1	06/19/2015 16:41
1,3-Dichloropropane	ND	H	250	1	06/19/2015 16:41
2,2-Dichloropropane	ND	H	250	1	06/19/2015 16:41
1,1-Dichloropropene	ND	H	250	1	06/19/2015 16:41
cis-1,3-Dichloropropene	ND	H	250	1	06/19/2015 16:41
trans-1,3-Dichloropropene	ND	H	250	1	06/19/2015 16:41
Freon 113	ND	H	250	1	06/19/2015 16:41
Hexachlorobutadiene	ND	H	250	1	06/19/2015 16:41
Hexachloroethane	ND	H	250	1	06/19/2015 16:41
Methylene chloride	ND	H	250	1	06/19/2015 16:41
1,1,1,2-Tetrachloroethane	ND	H	250	1	06/19/2015 16:41
1,1,2,2-Tetrachloroethane	ND	H	250	1	06/19/2015 16:41
Tetrachloroethene	**4500**	H	250	1	06/19/2015 16:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1506780-001A	Air	06/18/2015 10:15	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	250	1	06/19/2015 16:41
1,2,4-Trichlorobenzene	ND	H	250	1	06/19/2015 16:41
1,1,1-Trichloroethane	ND	H	250	1	06/19/2015 16:41
1,1,2-Trichloroethane	ND	H	250	1	06/19/2015 16:41
Trichloroethene	**340**	H	250	1	06/19/2015 16:41
Trichlorofluoromethane	ND	H	250	1	06/19/2015 16:41
1,2,3-Trichloropropane	ND	H	250	1	06/19/2015 16:41
Vinyl Chloride	ND	H	250	1	06/19/2015 16:41

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	H	70-130	06/19/2015 16:41
Toluene-d8	111	H	70-130	06/19/2015 16:41
4-BFB	110	H	70-130	06/19/2015 16:41

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1506780-002A	Air	06/18/2015 10:11	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5000	20	06/20/2015 14:27
Bromochloromethane	ND	H	5000	20	06/20/2015 14:27
Bromodichloromethane	ND	H	5000	20	06/20/2015 14:27
Bromoform	ND	H	5000	20	06/20/2015 14:27
Bromomethane	ND	H	5000	20	06/20/2015 14:27
Carbon Tetrachloride	ND	H	5000	20	06/20/2015 14:27
Chlorobenzene	ND	H	5000	20	06/20/2015 14:27
Chloroethane	ND	H	5000	20	06/20/2015 14:27
Chloroform	ND	H	5000	20	06/20/2015 14:27
Chloromethane	ND	H	5000	20	06/20/2015 14:27
2-Chlorotoluene	ND	H	5000	20	06/20/2015 14:27
4-Chlorotoluene	ND	H	5000	20	06/20/2015 14:27
Dibromochloromethane	ND	H	5000	20	06/20/2015 14:27
1,2-Dibromo-3-chloropropane	ND	H	5000	20	06/20/2015 14:27
1,2-Dibromoethane (EDB)	ND	H	5000	20	06/20/2015 14:27
Dibromomethane	ND	H	5000	20	06/20/2015 14:27
1,2-Dichlorobenzene	ND	H	5000	20	06/20/2015 14:27
1,3-Dichlorobenzene	ND	H	5000	20	06/20/2015 14:27
1,4-Dichlorobenzene	ND	H	5000	20	06/20/2015 14:27
Dichlorodifluoromethane	ND	H	5000	20	06/20/2015 14:27
1,1-Dichloroethane	ND	H	5000	20	06/20/2015 14:27
1,2-Dichloroethane (1,2-DCA)	ND	H	5000	20	06/20/2015 14:27
1,1-Dichloroethene	ND	H	5000	20	06/20/2015 14:27
cis-1,2-Dichloroethene	ND	H	5000	20	06/20/2015 14:27
trans-1,2-Dichloroethene	ND	H	5000	20	06/20/2015 14:27
1,2-Dichloropropane	ND	H	5000	20	06/20/2015 14:27
1,3-Dichloropropane	ND	H	5000	20	06/20/2015 14:27
2,2-Dichloropropane	ND	H	5000	20	06/20/2015 14:27
1,1-Dichloropropene	ND	H	5000	20	06/20/2015 14:27
cis-1,3-Dichloropropene	ND	H	5000	20	06/20/2015 14:27
trans-1,3-Dichloropropene	ND	H	5000	20	06/20/2015 14:27
Freon 113	ND	H	5000	20	06/20/2015 14:27
Hexachlorobutadiene	ND	H	5000	20	06/20/2015 14:27
Hexachloroethane	ND	H	5000	20	06/20/2015 14:27
Methylene chloride	ND	H	5000	20	06/20/2015 14:27
1,1,1,2-Tetrachloroethane	ND	H	5000	20	06/20/2015 14:27
1,1,2,2-Tetrachloroethane	ND	H	5000	20	06/20/2015 14:27
Tetrachloroethene	**130,000**	H	5000	20	06/20/2015 14:27

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	6/18/15 11:12	**Analytical Method:**	SW8260B
Date Prepared:	6/19/15-6/20/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1506780-002A	Air	06/18/2015 10:11	GC28	106628

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	5000	20	06/20/2015 14:27
1,2,4-Trichlorobenzene	ND	H	5000	20	06/20/2015 14:27
1,1,1-Trichloroethane	ND	H	5000	20	06/20/2015 14:27
1,1,2-Trichloroethane	ND	H	5000	20	06/20/2015 14:27
Trichloroethene	ND	H	5000	20	06/20/2015 14:27
Trichlorofluoromethane	ND	H	5000	20	06/20/2015 14:27
1,2,3-Trichloropropane	ND	H	5000	20	06/20/2015 14:27
Vinyl Chloride	ND	H	5000	20	06/20/2015 14:27

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	110	H	70-130	06/20/2015 14:27
Toluene-d8	109	H	70-130	06/20/2015 14:27
4-BFB	107	H	70-130	06/20/2015 14:27

Analyst(s): AK

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Date Prepared:	6/22/15	**BatchID:**	106628
Date Analyzed:	6/19/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-106628 1506786-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.85	0.50	10	-	99	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	10.3	0.50	10	-	103	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	10.5	0.50	10	-	105	66-125
1,1-Dichloroethene	ND	10.2	0.50	10	-	102	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Date Prepared:	6/22/15	**BatchID:**	106628
Date Analyzed:	6/19/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-106628 1506786-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	10.1	0.50	10	-	101	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	28.5	28.5		25	114	114	70-130
Toluene-d8	28.2	28.1		25	113	112	70-130
4-BFB	2.85	2.70		2.5	114	108	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1506780
Date Prepared:	6/22/15	**BatchID:**	106628
Date Analyzed:	6/19/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-106628 1506786-001BMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chlorobenzene	NR	NR	10	ND	NR	NR	77-120	NR	20
1,2-Dibromoethane (EDB)	NR	NR	10	ND	NR	NR	76-135	NR	20
1,2-Dichloroethane (1,2-DCA)	NR	NR	10	ND	NR	NR	73-139	NR	20
1,1-Dichloroethene	NR	NR	10	ND	NR	NR	59-140	NR	20
Trichloroethene	NR	NR	10	ND	NR	NR	64-132	NR	20
Surrogate Recovery									
Dibromofluoromethane	NR	NR	25		NR	NR	73-131	NR	0
Toluene-d8	NR	NR	25		NR	NR	72-117	NR	0
4-BFB	NR	NR	2.5		NR	NR	74-116	NR	0

McCampbell Analytical, Inc.
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1506780 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 746-6006 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO: 87465
ProjectNo: #261829; Foothill Square

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days

Date Received: **06/18/2015**
Date Printed: **06/18/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1506780-001	SSD INF	Air	6/18/2015 10:15	☐	A	A	A									
1506780-002	SVE-1 INF	Air	6/18/2015 10:11	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3	PREDF REPORT	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Elisa Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: #261829; Foothill Square
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1506780
Date Received: 6/18/2015

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1506780-001A	SSD INF	Air	HVOCs by GCMS	1	Tedlar	☐	6/18/2015 10:15	5 days		☐	
1506780-002A	SVE-1 INF	Air	HVOCs by GCMS	1	Tedlar	☐	6/18/2015 10:11	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

AEI 1506780

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565

Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☒ Yes ☐ No

Report To: Jeremy Smith Bill To: same P.O. # 87465

Company: AEI Consultants

2500 Camino Diablo

Walnut Creek, CA 94597 E-Mail: jasmith@aeiconsultants.com

Tele: (925) 746-6000 Fax: (925) 746-6099

Project #: 261829 Project Name: Foothill Square

Project Location: 10700 MacArthur Blvd. Oakland, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
SSD INF		6-18-15	1015	1	TB			X						
SVE-1 INF		6-18-15	1011	1	TB			X						

Analysis Request	Other	Comments
BTEX & TPH as Gas (602/8020 + 8015)/MTBE		
TPH as Diesel (8015) w/silica Gel Cleanup		
Total Petroleum Oil & Grease (5520 E&F/B&F)		
Total Petroleum Hydrocarbons (418.1)		
HVOCs EPA 8260		
BTEX ONLY (EPA 602 / 8020)		
EPA 608 / 8080		
EPA 608 / 8080 PCB's ONLY		
EPA 624 / 8260		
EPA 625 / 8270		
PAH's / PNA's by EPA 625 / 8270 / 8310		
CAM-17 Metals		
LUFT 5 Metals		
Lead (7240/7421/239.2/6010)		
RCI		

Relinquished By:	Date:	Time:	Received By:
	6-18-15	1159	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° NO ✓

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

PRESERVATION ✓ APPROPRIATE

CONTAINERS ✓

PERSERVED IN LAB_____

VOAS	O&G	METALS	OTHER

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **6/18/2015 11:12:05 AM**

Project Name: **#261829; Foothill Square**
LogIn Reviewed by: Elisa Venegas

WorkOrder №: **1506780** Matrix: Air
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1507260

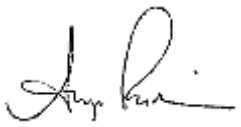
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.:
Project Name: #261829; Foothill Square

Project Received: 07/08/2015

Analytical Report reviewed & approved for release on 07/14/2015 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #261829; Foothill Square
WorkOrder: 1507260

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	samples were analyzed out of holding time

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1507260-001A	Air	07/08/2015 05:10	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	07/09/2015 11:19
Bromochloromethane	ND	H	0.25	1	07/09/2015 11:19
Bromodichloromethane	ND	H	0.25	1	07/09/2015 11:19
Bromoform	ND	H	0.25	1	07/09/2015 11:19
Bromomethane	ND	H	0.25	1	07/09/2015 11:19
Carbon Tetrachloride	ND	H	0.25	1	07/09/2015 11:19
Chlorobenzene	ND	H	0.25	1	07/09/2015 11:19
Chloroethane	ND	H	0.25	1	07/09/2015 11:19
Chloroform	ND	H	0.25	1	07/09/2015 11:19
Chloromethane	ND	H	0.25	1	07/09/2015 11:19
2-Chlorotoluene	ND	H	0.25	1	07/09/2015 11:19
4-Chlorotoluene	ND	H	0.25	1	07/09/2015 11:19
Dibromochloromethane	ND	H	0.25	1	07/09/2015 11:19
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	07/09/2015 11:19
1,2-Dibromoethane (EDB)	ND	H	0.25	1	07/09/2015 11:19
Dibromomethane	ND	H	0.25	1	07/09/2015 11:19
1,2-Dichlorobenzene	ND	H	0.25	1	07/09/2015 11:19
1,3-Dichlorobenzene	ND	H	0.25	1	07/09/2015 11:19
1,4-Dichlorobenzene	ND	H	0.25	1	07/09/2015 11:19
Dichlorodifluoromethane	ND	H	0.25	1	07/09/2015 11:19
1,1-Dichloroethane	ND	H	0.25	1	07/09/2015 11:19
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	07/09/2015 11:19
1,1-Dichloroethene	ND	H	0.25	1	07/09/2015 11:19
cis-1,2-Dichloroethene	ND	H	0.25	1	07/09/2015 11:19
trans-1,2-Dichloroethene	ND	H	0.25	1	07/09/2015 11:19
1,2-Dichloropropane	ND	H	0.25	1	07/09/2015 11:19
1,3-Dichloropropane	ND	H	0.25	1	07/09/2015 11:19
2,2-Dichloropropane	ND	H	0.25	1	07/09/2015 11:19
1,1-Dichloropropene	ND	H	0.25	1	07/09/2015 11:19
cis-1,3-Dichloropropene	ND	H	0.25	1	07/09/2015 11:19
trans-1,3-Dichloropropene	ND	H	0.25	1	07/09/2015 11:19
Freon 113	ND	H	0.25	1	07/09/2015 11:19
Hexachlorobutadiene	ND	H	0.25	1	07/09/2015 11:19
Hexachloroethane	ND	H	0.25	1	07/09/2015 11:19
Methylene chloride	ND	H	0.25	1	07/09/2015 11:19
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	07/09/2015 11:19
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	07/09/2015 11:19
Tetrachloroethene	**0.87**	H	0.25	1	07/09/2015 11:19

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1507260-001A	Air	07/08/2015 05:10	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	0.25	1	07/09/2015 11:19
1,2,4-Trichlorobenzene	ND	H	0.25	1	07/09/2015 11:19
1,1,1-Trichloroethane	ND	H	0.25	1	07/09/2015 11:19
1,1,2-Trichloroethane	ND	H	0.25	1	07/09/2015 11:19
Trichloroethene	ND	H	0.25	1	07/09/2015 11:19
Trichlorofluoromethane	ND	H	0.25	1	07/09/2015 11:19
1,2,3-Trichloropropane	ND	H	0.25	1	07/09/2015 11:19
Vinyl Chloride	ND	H	0.25	1	07/09/2015 11:19

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	07/09/2015 11:19
Toluene-d8	94	H	70-130	07/09/2015 11:19
4-BFB	124	H	70-130	07/09/2015 11:19

Analyst(s): KF

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1507260-002A	Air	07/08/2015 05:20	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5.0	20	07/09/2015 14:49
Bromochloromethane	ND	H	5.0	20	07/09/2015 14:49
Bromodichloromethane	ND	H	5.0	20	07/09/2015 14:49
Bromoform	ND	H	5.0	20	07/09/2015 14:49
Bromomethane	ND	H	5.0	20	07/09/2015 14:49
Carbon Tetrachloride	ND	H	5.0	20	07/09/2015 14:49
Chlorobenzene	ND	H	5.0	20	07/09/2015 14:49
Chloroethane	ND	H	5.0	20	07/09/2015 14:49
Chloroform	ND	H	5.0	20	07/09/2015 14:49
Chloromethane	ND	H	5.0	20	07/09/2015 14:49
2-Chlorotoluene	ND	H	5.0	20	07/09/2015 14:49
4-Chlorotoluene	ND	H	5.0	20	07/09/2015 14:49
Dibromochloromethane	ND	H	5.0	20	07/09/2015 14:49
1,2-Dibromo-3-chloropropane	ND	H	5.0	20	07/09/2015 14:49
1,2-Dibromoethane (EDB)	ND	H	5.0	20	07/09/2015 14:49
Dibromomethane	ND	H	5.0	20	07/09/2015 14:49
1,2-Dichlorobenzene	ND	H	5.0	20	07/09/2015 14:49
1,3-Dichlorobenzene	ND	H	5.0	20	07/09/2015 14:49
1,4-Dichlorobenzene	ND	H	5.0	20	07/09/2015 14:49
Dichlorodifluoromethane	ND	H	5.0	20	07/09/2015 14:49
1,1-Dichloroethane	ND	H	5.0	20	07/09/2015 14:49
1,2-Dichloroethane (1,2-DCA)	ND	H	5.0	20	07/09/2015 14:49
1,1-Dichloroethene	ND	H	5.0	20	07/09/2015 14:49
cis-1,2-Dichloroethene	ND	H	5.0	20	07/09/2015 14:49
trans-1,2-Dichloroethene	ND	H	5.0	20	07/09/2015 14:49
1,2-Dichloropropane	ND	H	5.0	20	07/09/2015 14:49
1,3-Dichloropropane	ND	H	5.0	20	07/09/2015 14:49
2,2-Dichloropropane	ND	H	5.0	20	07/09/2015 14:49
1,1-Dichloropropene	ND	H	5.0	20	07/09/2015 14:49
cis-1,3-Dichloropropene	ND	H	5.0	20	07/09/2015 14:49
trans-1,3-Dichloropropene	ND	H	5.0	20	07/09/2015 14:49
Freon 113	ND	H	5.0	20	07/09/2015 14:49
Hexachlorobutadiene	ND	H	5.0	20	07/09/2015 14:49
Hexachloroethane	ND	H	5.0	20	07/09/2015 14:49
Methylene chloride	ND	H	5.0	20	07/09/2015 14:49
1,1,1,2-Tetrachloroethane	ND	H	5.0	20	07/09/2015 14:49
1,1,2,2-Tetrachloroethane	ND	H	5.0	20	07/09/2015 14:49
Tetrachloroethene	**250**	H	5.0	20	07/09/2015 14:49

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1507260-002A	Air	07/08/2015 05:20	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	5.0	20	07/09/2015 14:49
1,2,4-Trichlorobenzene	ND	H	5.0	20	07/09/2015 14:49
1,1,1-Trichloroethane	ND	H	5.0	20	07/09/2015 14:49
1,1,2-Trichloroethane	ND	H	5.0	20	07/09/2015 14:49
Trichloroethene	ND	H	5.0	20	07/09/2015 14:49
Trichlorofluoromethane	ND	H	5.0	20	07/09/2015 14:49
1,2,3-Trichloropropane	ND	H	5.0	20	07/09/2015 14:49
Vinyl Chloride	ND	H	5.0	20	07/09/2015 14:49

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	07/09/2015 14:49
Toluene-d8	95	H	70-130	07/09/2015 14:49
4-BFB	120	H	70-130	07/09/2015 14:49

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1507260-001A	Air	07/08/2015 05:10	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	07/09/2015 11:19
Bromochloromethane	ND	H	250	1	07/09/2015 11:19
Bromodichloromethane	ND	H	250	1	07/09/2015 11:19
Bromoform	ND	H	250	1	07/09/2015 11:19
Bromomethane	ND	H	250	1	07/09/2015 11:19
Carbon Tetrachloride	ND	H	250	1	07/09/2015 11:19
Chlorobenzene	ND	H	250	1	07/09/2015 11:19
Chloroethane	ND	H	250	1	07/09/2015 11:19
Chloroform	ND	H	250	1	07/09/2015 11:19
Chloromethane	ND	H	250	1	07/09/2015 11:19
2-Chlorotoluene	ND	H	250	1	07/09/2015 11:19
4-Chlorotoluene	ND	H	250	1	07/09/2015 11:19
Dibromochloromethane	ND	H	250	1	07/09/2015 11:19
1,2-Dibromo-3-chloropropane	ND	H	250	1	07/09/2015 11:19
1,2-Dibromoethane (EDB)	ND	H	250	1	07/09/2015 11:19
Dibromomethane	ND	H	250	1	07/09/2015 11:19
1,2-Dichlorobenzene	ND	H	250	1	07/09/2015 11:19
1,3-Dichlorobenzene	ND	H	250	1	07/09/2015 11:19
1,4-Dichlorobenzene	ND	H	250	1	07/09/2015 11:19
Dichlorodifluoromethane	ND	H	250	1	07/09/2015 11:19
1,1-Dichloroethane	ND	H	250	1	07/09/2015 11:19
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	07/09/2015 11:19
1,1-Dichloroethene	ND	H	250	1	07/09/2015 11:19
cis-1,2-Dichloroethene	ND	H	250	1	07/09/2015 11:19
trans-1,2-Dichloroethene	ND	H	250	1	07/09/2015 11:19
1,2-Dichloropropane	ND	H	250	1	07/09/2015 11:19
1,3-Dichloropropane	ND	H	250	1	07/09/2015 11:19
2,2-Dichloropropane	ND	H	250	1	07/09/2015 11:19
1,1-Dichloropropene	ND	H	250	1	07/09/2015 11:19
cis-1,3-Dichloropropene	ND	H	250	1	07/09/2015 11:19
trans-1,3-Dichloropropene	ND	H	250	1	07/09/2015 11:19
Freon 113	ND	H	250	1	07/09/2015 11:19
Hexachlorobutadiene	ND	H	250	1	07/09/2015 11:19
Hexachloroethane	ND	H	250	1	07/09/2015 11:19
Methylene chloride	ND	H	250	1	07/09/2015 11:19
1,1,1,2-Tetrachloroethane	ND	H	250	1	07/09/2015 11:19
1,1,2,2-Tetrachloroethane	ND	H	250	1	07/09/2015 11:19
Tetrachloroethene	**870**	H	250	1	07/09/2015 11:19

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1507260-001A	Air	07/08/2015 05:10	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	250	1	07/09/2015 11:19
1,2,4-Trichlorobenzene	ND	H	250	1	07/09/2015 11:19
1,1,1-Trichloroethane	ND	H	250	1	07/09/2015 11:19
1,1,2-Trichloroethane	ND	H	250	1	07/09/2015 11:19
Trichloroethene	ND	H	250	1	07/09/2015 11:19
Trichlorofluoromethane	ND	H	250	1	07/09/2015 11:19
1,2,3-Trichloropropane	ND	H	250	1	07/09/2015 11:19
Vinyl Chloride	ND	H	250	1	07/09/2015 11:19

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	07/09/2015 11:19
Toluene-d8	94	H	70-130	07/09/2015 11:19
4-BFB	124	H	70-130	07/09/2015 11:19

Analyst(s): KF

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1507260-002A	Air	07/08/2015 05:20	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5000	20	07/09/2015 14:49
Bromochloromethane	ND	H	5000	20	07/09/2015 14:49
Bromodichloromethane	ND	H	5000	20	07/09/2015 14:49
Bromoform	ND	H	5000	20	07/09/2015 14:49
Bromomethane	ND	H	5000	20	07/09/2015 14:49
Carbon Tetrachloride	ND	H	5000	20	07/09/2015 14:49
Chlorobenzene	ND	H	5000	20	07/09/2015 14:49
Chloroethane	ND	H	5000	20	07/09/2015 14:49
Chloroform	ND	H	5000	20	07/09/2015 14:49
Chloromethane	ND	H	5000	20	07/09/2015 14:49
2-Chlorotoluene	ND	H	5000	20	07/09/2015 14:49
4-Chlorotoluene	ND	H	5000	20	07/09/2015 14:49
Dibromochloromethane	ND	H	5000	20	07/09/2015 14:49
1,2-Dibromo-3-chloropropane	ND	H	5000	20	07/09/2015 14:49
1,2-Dibromoethane (EDB)	ND	H	5000	20	07/09/2015 14:49
Dibromomethane	ND	H	5000	20	07/09/2015 14:49
1,2-Dichlorobenzene	ND	H	5000	20	07/09/2015 14:49
1,3-Dichlorobenzene	ND	H	5000	20	07/09/2015 14:49
1,4-Dichlorobenzene	ND	H	5000	20	07/09/2015 14:49
Dichlorodifluoromethane	ND	H	5000	20	07/09/2015 14:49
1,1-Dichloroethane	ND	H	5000	20	07/09/2015 14:49
1,2-Dichloroethane (1,2-DCA)	ND	H	5000	20	07/09/2015 14:49
1,1-Dichloroethene	ND	H	5000	20	07/09/2015 14:49
cis-1,2-Dichloroethene	ND	H	5000	20	07/09/2015 14:49
trans-1,2-Dichloroethene	ND	H	5000	20	07/09/2015 14:49
1,2-Dichloropropane	ND	H	5000	20	07/09/2015 14:49
1,3-Dichloropropane	ND	H	5000	20	07/09/2015 14:49
2,2-Dichloropropane	ND	H	5000	20	07/09/2015 14:49
1,1-Dichloropropene	ND	H	5000	20	07/09/2015 14:49
cis-1,3-Dichloropropene	ND	H	5000	20	07/09/2015 14:49
trans-1,3-Dichloropropene	ND	H	5000	20	07/09/2015 14:49
Freon 113	ND	H	5000	20	07/09/2015 14:49
Hexachlorobutadiene	ND	H	5000	20	07/09/2015 14:49
Hexachloroethane	ND	H	5000	20	07/09/2015 14:49
Methylene chloride	ND	H	5000	20	07/09/2015 14:49
1,1,1,2-Tetrachloroethane	ND	H	5000	20	07/09/2015 14:49
1,1,2,2-Tetrachloroethane	ND	H	5000	20	07/09/2015 14:49
Tetrachloroethene	**250,000**	H	5000	20	07/09/2015 14:49

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Project:	#261829; Foothill Square	**Extraction Method:**	SW5030B
Date Received:	7/8/15 17:58	**Analytical Method:**	SW8260B
Date Prepared:	7/9/15	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1507260-002A	Air	07/08/2015 05:20	GC10	107411

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
1,2,3-Trichlorobenzene	ND	H	5000	20	07/09/2015 14:49
1,2,4-Trichlorobenzene	ND	H	5000	20	07/09/2015 14:49
1,1,1-Trichloroethane	ND	H	5000	20	07/09/2015 14:49
1,1,2-Trichloroethane	ND	H	5000	20	07/09/2015 14:49
Trichloroethene	ND	H	5000	20	07/09/2015 14:49
Trichlorofluoromethane	ND	H	5000	20	07/09/2015 14:49
1,2,3-Trichloropropane	ND	H	5000	20	07/09/2015 14:49
Vinyl Chloride	ND	H	5000	20	07/09/2015 14:49

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	112	H	70-130	07/09/2015 14:49
Toluene-d8	95	H	70-130	07/09/2015 14:49
4-BFB	120	H	70-130	07/09/2015 14:49

Analyst(s): KF

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Date Prepared:	7/9/15	**BatchID:**	107411
Date Analyzed:	7/9/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-107411 1507209-001HMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.33	0.50	10	-	93	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.63	0.50	10	-	86	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	9.12	0.50	10	-	91	66-125
1,1-Dichloroethene	ND	9.51	0.50	10	-	95	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Date Prepared:	7/9/15	**BatchID:**	107411
Date Analyzed:	7/9/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-107411 1507209-001HMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	8.94	0.50	10	-	89	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	28.2	28.4		25	113	114	70-130
Toluene-d8	23.4	23.3		25	94	93	70-130
4-BFB	3.04	2.64		2.5	122	106	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1507260
Date Prepared:	7/9/15	**BatchID:**	107411
Date Analyzed:	7/9/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#261829; Foothill Square	**Sample ID:**	MB/LCS-107411 1507209-001HMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chlorobenzene	10.6	11.0	10	ND	106	110	77-120	3.90	20
1,2-Dibromoethane (EDB)	10.9	11.0	10	ND	109	110	76-135	1.24	20
1,2-Dichloroethane (1,2-DCA)	11.2	11.5	10	ND	112	115	73-139	2.83	20
1,1-Dichloroethene	10.8	11.4	10	ND	108	114	59-140	4.84	20
Trichloroethene	10.5	11.0	10	ND	102	107	64-132	4.58	20
Surrogate Recovery									
Dibromofluoromethane	28.3	28.8	25		113	115	70-130	1.83	20
Toluene-d8	23.2	23.2	25		93	93	70-130	0	20
4-BFB	2.61	2.74	2.5		104	110	70-130	5.10	20

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1507260 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO:
ProjectNo: #261829; Foothill Square

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days

Date Received: **07/08/2015**
Date Printed: **07/08/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1507260-001	SSD INF	Air	7/8/2015 5:10	☐	A	A										
1507260-002	SVE-1 INF	Air	7/8/2015 5:20	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: #261829; Foothill Square
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1507260
Date Received: 7/8/2015

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1507260-001A	SSD INF	Air	HVOCs by GCMS	1	Tedlar	☐	7/8/2015 5:10	5 days		☐	
1507260-002A	SVE-1 INF	Air	HVOCs by GCMS	1	Tedlar	☐	7/8/2015 5:20	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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Pittsburg, CA 94565

Telephone: (925) 252-9262 Fax: (925) 252-9269

150726C

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: Jeremy Smith	Bill To: same	P.O. #
Company: AEI Consultants		
2500 Camino Diablo		
Walnut Creek, CA 94597	E-Mail: jasmith@aeiconsultants.com	
Tele: (925) 746-6000	Fax: (925) 746-6099	
Project #: 261829	Project Name: Foothill Square	
Project Location: 10700 MacArthur Blvd. Oakland, CA		
Sampler Signature: John Sigg		

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
SSD INF		7-8-15	0510	1	T.B			X						
SVE-1 INF		7-8-15	0520	1	TB			X						

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015) w/silica Gel Cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
				X										
				X										

Other | Comments

Relinquished By:	Date:	Time:	Received By:
John Sigg	7-8-15	1435	
Relinquished By:	Date:	Time:	Received By:
	7/8/15	1725	
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____ VOAS | O&G | METALS | OTHER

GOOD CONDITION _____ PRESERVATION _____ | _____ | _____ | _____

HEAD SPACE ABSENT _____ APPROPRIATE

DECHLORINATED IN LAB _____ CONTAINERS _____

PERSERVED IN LAB _____

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **7/8/2015 5:58:13 PM**

Project Name: **#261829; Foothill Square**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1507260** Matrix: Air
Carrier: Benjamin Yslas (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☐	No	☑	
Sample/Temp Blank temperature	Temp:				NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☐	No	☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: Method SW8260B (HVOCs List) was received passed its 0.25-day holding time.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1508967

Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.:
Project Name: 261829; Jayphares Operation

Project Received: 08/27/2015

Analytical Report reviewed & approved for release on 09/02/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 261829; Jayphares Operation
WorkOrder: 1508967

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	samples were analyzed out of holding time

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD-INF	1508967-001A	Air	08/27/2015 15:25	GC28	109583

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.25	1	08/27/2015 19:38
Bromochloromethane	ND	0.25	1	08/27/2015 19:38
Bromodichloromethane	ND	0.25	1	08/27/2015 19:38
Bromoform	ND	0.25	1	08/27/2015 19:38
Bromomethane	ND	0.25	1	08/27/2015 19:38
Carbon Tetrachloride	ND	0.25	1	08/27/2015 19:38
Chlorobenzene	ND	0.25	1	08/27/2015 19:38
Chloroethane	ND	0.25	1	08/27/2015 19:38
Chloroform	ND	0.25	1	08/27/2015 19:38
Chloromethane	ND	0.25	1	08/27/2015 19:38
2-Chlorotoluene	ND	0.25	1	08/27/2015 19:38
4-Chlorotoluene	ND	0.25	1	08/27/2015 19:38
Dibromochloromethane	ND	0.25	1	08/27/2015 19:38
1,2-Dibromo-3-chloropropane	ND	0.25	1	08/27/2015 19:38
1,2-Dibromoethane (EDB)	ND	0.25	1	08/27/2015 19:38
Dibromomethane	ND	0.25	1	08/27/2015 19:38
1,2-Dichlorobenzene	ND	0.25	1	08/27/2015 19:38
1,3-Dichlorobenzene	ND	0.25	1	08/27/2015 19:38
1,4-Dichlorobenzene	ND	0.25	1	08/27/2015 19:38
Dichlorodifluoromethane	ND	0.25	1	08/27/2015 19:38
1,1-Dichloroethane	ND	0.25	1	08/27/2015 19:38
1,2-Dichloroethane (1,2-DCA)	ND	0.25	1	08/27/2015 19:38
1,1-Dichloroethene	ND	0.25	1	08/27/2015 19:38
cis-1,2-Dichloroethene	**0.36**	0.25	1	08/27/2015 19:38
trans-1,2-Dichloroethene	ND	0.25	1	08/27/2015 19:38
1,2-Dichloropropane	ND	0.25	1	08/27/2015 19:38
1,3-Dichloropropane	ND	0.25	1	08/27/2015 19:38
2,2-Dichloropropane	ND	0.25	1	08/27/2015 19:38
1,1-Dichloropropene	ND	0.25	1	08/27/2015 19:38
cis-1,3-Dichloropropene	ND	0.25	1	08/27/2015 19:38
trans-1,3-Dichloropropene	ND	0.25	1	08/27/2015 19:38
Freon 113	ND	0.25	1	08/27/2015 19:38
Hexachlorobutadiene	ND	0.25	1	08/27/2015 19:38
Hexachloroethane	ND	0.25	1	08/27/2015 19:38
Methylene chloride	ND	0.25	1	08/27/2015 19:38
1,1,1,2-Tetrachloroethane	ND	0.25	1	08/27/2015 19:38
1,1,2,2-Tetrachloroethane	ND	0.25	1	08/27/2015 19:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD-INF	**1508967-001A**	**Air**	**08/27/2015 15:25**	**GC28**	**109583**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	**2.0**	0.25	1	08/27/2015 19:38
1,2,3-Trichlorobenzene	ND	0.25	1	08/27/2015 19:38
1,2,4-Trichlorobenzene	ND	0.25	1	08/27/2015 19:38
1,1,1-Trichloroethane	ND	0.25	1	08/27/2015 19:38
1,1,2-Trichloroethane	ND	0.25	1	08/27/2015 19:38
Trichloroethene	**0.48**	0.25	1	08/27/2015 19:38
Trichlorofluoromethane	ND	0.25	1	08/27/2015 19:38
1,2,3-Trichloropropane	ND	0.25	1	08/27/2015 19:38
Vinyl Chloride	ND	0.25	1	08/27/2015 19:38

Surrogates	REC (%)	Limits	
Dibromofluoromethane	103	70-130	08/27/2015 19:38
Toluene-d8	98	70-130	08/27/2015 19:38
4-BFB	105	70-130	08/27/2015 19:38

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-INF	1508967-002A	Air	08/27/2015 15:15	GC28	109583

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5.0	20	08/27/2015 21:33
Bromochloromethane	ND	H	5.0	20	08/27/2015 21:33
Bromodichloromethane	ND	H	5.0	20	08/27/2015 21:33
Bromoform	ND	H	5.0	20	08/27/2015 21:33
Bromomethane	ND	H	5.0	20	08/27/2015 21:33
Carbon Tetrachloride	ND	H	5.0	20	08/27/2015 21:33
Chlorobenzene	ND	H	5.0	20	08/27/2015 21:33
Chloroethane	ND	H	5.0	20	08/27/2015 21:33
Chloroform	ND	H	5.0	20	08/27/2015 21:33
Chloromethane	ND	H	5.0	20	08/27/2015 21:33
2-Chlorotoluene	ND	H	5.0	20	08/27/2015 21:33
4-Chlorotoluene	ND	H	5.0	20	08/27/2015 21:33
Dibromochloromethane	ND	H	5.0	20	08/27/2015 21:33
1,2-Dibromo-3-chloropropane	ND	H	5.0	20	08/27/2015 21:33
1,2-Dibromoethane (EDB)	ND	H	5.0	20	08/27/2015 21:33
Dibromomethane	ND	H	5.0	20	08/27/2015 21:33
1,2-Dichlorobenzene	ND	H	5.0	20	08/27/2015 21:33
1,3-Dichlorobenzene	ND	H	5.0	20	08/27/2015 21:33
1,4-Dichlorobenzene	ND	H	5.0	20	08/27/2015 21:33
Dichlorodifluoromethane	ND	H	5.0	20	08/27/2015 21:33
1,1-Dichloroethane	ND	H	5.0	20	08/27/2015 21:33
1,2-Dichloroethane (1,2-DCA)	ND	H	5.0	20	08/27/2015 21:33
1,1-Dichloroethene	ND	H	5.0	20	08/27/2015 21:33
cis-1,2-Dichloroethene	**7.1**	H	5.0	20	08/27/2015 21:33
trans-1,2-Dichloroethene	ND	H	5.0	20	08/27/2015 21:33
1,2-Dichloropropane	ND	H	5.0	20	08/27/2015 21:33
1,3-Dichloropropane	ND	H	5.0	20	08/27/2015 21:33
2,2-Dichloropropane	ND	H	5.0	20	08/27/2015 21:33
1,1-Dichloropropene	ND	H	5.0	20	08/27/2015 21:33
cis-1,3-Dichloropropene	ND	H	5.0	20	08/27/2015 21:33
trans-1,3-Dichloropropene	ND	H	5.0	20	08/27/2015 21:33
Freon 113	ND	H	5.0	20	08/27/2015 21:33
Hexachlorobutadiene	ND	H	5.0	20	08/27/2015 21:33
Hexachloroethane	ND	H	5.0	20	08/27/2015 21:33
Methylene chloride	ND	H	5.0	20	08/27/2015 21:33
1,1,1,2-Tetrachloroethane	ND	H	5.0	20	08/27/2015 21:33
1,1,2,2-Tetrachloroethane	ND	H	5.0	20	08/27/2015 21:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-INF	1508967-002A	Air	08/27/2015 15:15	GC28	109583

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**190**	H	5.0	20	08/27/2015 21:33
1,2,3-Trichlorobenzene	ND	H	5.0	20	08/27/2015 21:33
1,2,4-Trichlorobenzene	ND	H	5.0	20	08/27/2015 21:33
1,1,1-Trichloroethane	ND	H	5.0	20	08/27/2015 21:33
1,1,2-Trichloroethane	ND	H	5.0	20	08/27/2015 21:33
Trichloroethene	**15**	H	5.0	20	08/27/2015 21:33
Trichlorofluoromethane	ND	H	5.0	20	08/27/2015 21:33
1,2,3-Trichloropropane	ND	H	5.0	20	08/27/2015 21:33
Vinyl Chloride	ND	H	5.0	20	08/27/2015 21:33

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	101	H	70-130	08/27/2015 21:33
Toluene-d8	98	H	70-130	08/27/2015 21:33
4-BFB	104	H	70-130	08/27/2015 21:33

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD-INF	1508967-001A	Air	08/27/2015 15:25	GC28	109583

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	250	1	08/27/2015 19:38
Bromochloromethane	ND	250	1	08/27/2015 19:38
Bromodichloromethane	ND	250	1	08/27/2015 19:38
Bromoform	ND	250	1	08/27/2015 19:38
Bromomethane	ND	250	1	08/27/2015 19:38
Carbon Tetrachloride	ND	250	1	08/27/2015 19:38
Chlorobenzene	ND	250	1	08/27/2015 19:38
Chloroethane	ND	250	1	08/27/2015 19:38
Chloroform	ND	250	1	08/27/2015 19:38
Chloromethane	ND	250	1	08/27/2015 19:38
2-Chlorotoluene	ND	250	1	08/27/2015 19:38
4-Chlorotoluene	ND	250	1	08/27/2015 19:38
Dibromochloromethane	ND	250	1	08/27/2015 19:38
1,2-Dibromo-3-chloropropane	ND	250	1	08/27/2015 19:38
1,2-Dibromoethane (EDB)	ND	250	1	08/27/2015 19:38
Dibromomethane	ND	250	1	08/27/2015 19:38
1,2-Dichlorobenzene	ND	250	1	08/27/2015 19:38
1,3-Dichlorobenzene	ND	250	1	08/27/2015 19:38
1,4-Dichlorobenzene	ND	250	1	08/27/2015 19:38
Dichlorodifluoromethane	ND	250	1	08/27/2015 19:38
1,1-Dichloroethane	ND	250	1	08/27/2015 19:38
1,2-Dichloroethane (1,2-DCA)	ND	250	1	08/27/2015 19:38
1,1-Dichloroethene	ND	250	1	08/27/2015 19:38
cis-1,2-Dichloroethene	**360**	250	1	08/27/2015 19:38
trans-1,2-Dichloroethene	ND	250	1	08/27/2015 19:38
1,2-Dichloropropane	ND	250	1	08/27/2015 19:38
1,3-Dichloropropane	ND	250	1	08/27/2015 19:38
2,2-Dichloropropane	ND	250	1	08/27/2015 19:38
1,1-Dichloropropene	ND	250	1	08/27/2015 19:38
cis-1,3-Dichloropropene	ND	250	1	08/27/2015 19:38
trans-1,3-Dichloropropene	ND	250	1	08/27/2015 19:38
Freon 113	ND	250	1	08/27/2015 19:38
Hexachlorobutadiene	ND	250	1	08/27/2015 19:38
Hexachloroethane	ND	250	1	08/27/2015 19:38
Methylene chloride	ND	250	1	08/27/2015 19:38
1,1,1,2-Tetrachloroethane	ND	250	1	08/27/2015 19:38
1,1,2,2-Tetrachloroethane	ND	250	1	08/27/2015 19:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD-INF	1508967-001A	Air	08/27/2015 15:25	GC28	109583

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	**2000**	250	1	08/27/2015 19:38
1,2,3-Trichlorobenzene	ND	250	1	08/27/2015 19:38
1,2,4-Trichlorobenzene	ND	250	1	08/27/2015 19:38
1,1,1-Trichloroethane	ND	250	1	08/27/2015 19:38
1,1,2-Trichloroethane	ND	250	1	08/27/2015 19:38
Trichloroethene	**480**	250	1	08/27/2015 19:38
Trichlorofluoromethane	ND	250	1	08/27/2015 19:38
1,2,3-Trichloropropane	ND	250	1	08/27/2015 19:38
Vinyl Chloride	ND	250	1	08/27/2015 19:38

Surrogates	REC (%)	Limits	
Dibromofluoromethane	103	70-130	08/27/2015 19:38
Toluene-d8	98	70-130	08/27/2015 19:38
4-BFB	105	70-130	08/27/2015 19:38

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-INF	1508967-002A	Air	08/27/2015 15:15	GC28	109583

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	5000	20	08/27/2015 21:33
Bromochloromethane	ND	H	5000	20	08/27/2015 21:33
Bromodichloromethane	ND	H	5000	20	08/27/2015 21:33
Bromoform	ND	H	5000	20	08/27/2015 21:33
Bromomethane	ND	H	5000	20	08/27/2015 21:33
Carbon Tetrachloride	ND	H	5000	20	08/27/2015 21:33
Chlorobenzene	ND	H	5000	20	08/27/2015 21:33
Chloroethane	ND	H	5000	20	08/27/2015 21:33
Chloroform	ND	H	5000	20	08/27/2015 21:33
Chloromethane	ND	H	5000	20	08/27/2015 21:33
2-Chlorotoluene	ND	H	5000	20	08/27/2015 21:33
4-Chlorotoluene	ND	H	5000	20	08/27/2015 21:33
Dibromochloromethane	ND	H	5000	20	08/27/2015 21:33
1,2-Dibromo-3-chloropropane	ND	H	5000	20	08/27/2015 21:33
1,2-Dibromoethane (EDB)	ND	H	5000	20	08/27/2015 21:33
Dibromomethane	ND	H	5000	20	08/27/2015 21:33
1,2-Dichlorobenzene	ND	H	5000	20	08/27/2015 21:33
1,3-Dichlorobenzene	ND	H	5000	20	08/27/2015 21:33
1,4-Dichlorobenzene	ND	H	5000	20	08/27/2015 21:33
Dichlorodifluoromethane	ND	H	5000	20	08/27/2015 21:33
1,1-Dichloroethane	ND	H	5000	20	08/27/2015 21:33
1,2-Dichloroethane (1,2-DCA)	ND	H	5000	20	08/27/2015 21:33
1,1-Dichloroethene	ND	H	5000	20	08/27/2015 21:33
cis-1,2-Dichloroethene	**7100**	H	5000	20	08/27/2015 21:33
trans-1,2-Dichloroethene	ND	H	5000	20	08/27/2015 21:33
1,2-Dichloropropane	ND	H	5000	20	08/27/2015 21:33
1,3-Dichloropropane	ND	H	5000	20	08/27/2015 21:33
2,2-Dichloropropane	ND	H	5000	20	08/27/2015 21:33
1,1-Dichloropropene	ND	H	5000	20	08/27/2015 21:33
cis-1,3-Dichloropropene	ND	H	5000	20	08/27/2015 21:33
trans-1,3-Dichloropropene	ND	H	5000	20	08/27/2015 21:33
Freon 113	ND	H	5000	20	08/27/2015 21:33
Hexachlorobutadiene	ND	H	5000	20	08/27/2015 21:33
Hexachloroethane	ND	H	5000	20	08/27/2015 21:33
Methylene chloride	ND	H	5000	20	08/27/2015 21:33
1,1,1,2-Tetrachloroethane	ND	H	5000	20	08/27/2015 21:33
1,1,2,2-Tetrachloroethane	ND	H	5000	20	08/27/2015 21:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Received:	8/27/15 18:10	**Extraction Method:**	SW5030B
Date Prepared:	8/27/15	**Analytical Method:**	SW8260B
Project:	261829; Jayphares Operation	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-INF	1508967-002A	Air	08/27/2015 15:15	GC28	109583

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**190,000**	H	5000	20	08/27/2015 21:33
1,2,3-Trichlorobenzene	ND	H	5000	20	08/27/2015 21:33
1,2,4-Trichlorobenzene	ND	H	5000	20	08/27/2015 21:33
1,1,1-Trichloroethane	ND	H	5000	20	08/27/2015 21:33
1,1,2-Trichloroethane	ND	H	5000	20	08/27/2015 21:33
Trichloroethene	**15,000**	H	5000	20	08/27/2015 21:33
Trichlorofluoromethane	ND	H	5000	20	08/27/2015 21:33
1,2,3-Trichloropropane	ND	H	5000	20	08/27/2015 21:33
Vinyl Chloride	ND	H	5000	20	08/27/2015 21:33

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	101	H	70-130	08/27/2015 21:33
Toluene-d8	98	H	70-130	08/27/2015 21:33
4-BFB	104	H	70-130	08/27/2015 21:33

Analyst(s): KF

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Prepared:	8/27/15	**BatchID:**	109583
Date Analyzed:	8/27/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Jayphares Operation	**Sample ID:**	MB/LCS-109583

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.24	0.50	10	-	92	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.96	0.50	10	-	90	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	9.54	0.50	10	-	95	66-125
1,1-Dichloroethene	ND	9.90	0.50	10	-	99	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1508967
Date Prepared:	8/27/15	**BatchID:**	109583
Date Analyzed:	8/27/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Jayphares Operation	**Sample ID:**	MB/LCS-109583

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.70	0.50	10	-	97	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	24.6	24.7		25	98	99	70-130
Toluene-d8	25.0	24.7		25	100	99	70-130
4-BFB	2.62	2.67		2.5	105	107	70-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1508967 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO:
ProjectNo: 261829; Jayphares Operation

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: **5 days;**

Date Received: **08/27/2015**
Date Printed: **09/02/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1508967-001	SSD-INF	Air	8/27/2015 15:25	☐	A	A	A									
1508967-002	SVE-INF	Air	8/27/2015 15:15	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3	PREDF REPORT	4	
6		7		8		9	
5		10		11		12	

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: 261829; Jayphares Operation
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1508967
Date Received: 8/27/2015

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1508967-001A	SSD-INF	Air	HVOCs by GCMS	1	Tedlar	☐	8/27/2015 15:25	5 days		☐	
1508967-002A	SVE-INF	Air	HVOCs by GCMS	1	Tedlar	☐	8/27/2015 15:15	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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CHAIN OF CUSTODY RECORD

150896T

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☒ PDF ☐ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim #_____

Report To: Jeremy Smith **Bill To:** AEI

Company: AEI

Tele: (925) 746-6000 **E-Mail:** jasmith@aeiconsultants.com

Project #: 26189 **Project Name:** Jayhawks Operation

Project Location: Oakland **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other (None)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (~~VOCs~~ HVOC)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis
SSD-INF		8/07/15	15:05	1						X					X									X						
SUE-INF		8/07/15	1515	1						X					X									X						

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	8/07/15	1715	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **8/27/2015 6:10:06 PM**

Project Name: **261829; Jayphares Operation**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1508967** Matrix: Air
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

McCampbell Analytical, Inc.
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Analytical Report

WorkOrder: 1510915

Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: 96643
Project Name: 261829; Foothill Square

Project Received: 10/26/2015

Analytical Report reviewed & approved for release on 10/30/2015 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 261829; Foothill Square
WorkOrder: 1510915

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	samples were analyzed out of holding time

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1510915-001A	Air	10/26/2015 08:40	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	10/29/2015 15:59
Bromochloromethane	ND	H	0.25	1	10/29/2015 15:59
Bromodichloromethane	ND	H	0.25	1	10/29/2015 15:59
Bromoform	ND	H	0.25	1	10/29/2015 15:59
Bromomethane	ND	H	0.25	1	10/29/2015 15:59
Carbon Tetrachloride	ND	H	0.25	1	10/29/2015 15:59
Chlorobenzene	ND	H	0.25	1	10/29/2015 15:59
Chloroethane	ND	H	0.25	1	10/29/2015 15:59
Chloroform	ND	H	0.25	1	10/29/2015 15:59
Chloromethane	ND	H	0.25	1	10/29/2015 15:59
2-Chlorotoluene	ND	H	0.25	1	10/29/2015 15:59
4-Chlorotoluene	ND	H	0.25	1	10/29/2015 15:59
Dibromochloromethane	ND	H	0.25	1	10/29/2015 15:59
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	10/29/2015 15:59
1,2-Dibromoethane (EDB)	ND	H	0.25	1	10/29/2015 15:59
Dibromomethane	ND	H	0.25	1	10/29/2015 15:59
1,2-Dichlorobenzene	ND	H	0.25	1	10/29/2015 15:59
1,3-Dichlorobenzene	ND	H	0.25	1	10/29/2015 15:59
1,4-Dichlorobenzene	ND	H	0.25	1	10/29/2015 15:59
Dichlorodifluoromethane	ND	H	0.25	1	10/29/2015 15:59
1,1-Dichloroethane	ND	H	0.25	1	10/29/2015 15:59
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	10/29/2015 15:59
1,1-Dichloroethene	ND	H	0.25	1	10/29/2015 15:59
cis-1,2-Dichloroethene	ND	H	0.25	1	10/29/2015 15:59
trans-1,2-Dichloroethene	ND	H	0.25	1	10/29/2015 15:59
1,2-Dichloropropane	ND	H	0.25	1	10/29/2015 15:59
1,3-Dichloropropane	ND	H	0.25	1	10/29/2015 15:59
2,2-Dichloropropane	ND	H	0.25	1	10/29/2015 15:59
1,1-Dichloropropene	ND	H	0.25	1	10/29/2015 15:59
cis-1,3-Dichloropropene	ND	H	0.25	1	10/29/2015 15:59
trans-1,3-Dichloropropene	ND	H	0.25	1	10/29/2015 15:59
Freon 113	ND	H	0.25	1	10/29/2015 15:59
Hexachlorobutadiene	ND	H	0.25	1	10/29/2015 15:59
Hexachloroethane	ND	H	0.25	1	10/29/2015 15:59
Methylene chloride	ND	H	0.25	1	10/29/2015 15:59
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	10/29/2015 15:59
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	10/29/2015 15:59

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1510915-001A	Air	10/26/2015 08:40	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	ND	H	0.25	1	10/29/2015 15:59
1,2,3-Trichlorobenzene	ND	H	0.25	1	10/29/2015 15:59
1,2,4-Trichlorobenzene	ND	H	0.25	1	10/29/2015 15:59
1,1,1-Trichloroethane	ND	H	0.25	1	10/29/2015 15:59
1,1,2-Trichloroethane	ND	H	0.25	1	10/29/2015 15:59
Trichloroethene	ND	H	0.25	1	10/29/2015 15:59
Trichlorofluoromethane	ND	H	0.25	1	10/29/2015 15:59
1,2,3-Trichloropropane	ND	H	0.25	1	10/29/2015 15:59
Vinyl Chloride	ND	H	0.25	1	10/29/2015 15:59

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	88	H	70-130	10/29/2015 15:59
Toluene-d8	86	H	70-130	10/29/2015 15:59
4-BFB	84	H	70-130	10/29/2015 15:59

Analyst(s): AK

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1510915-002A	Air	10/26/2015 08:23	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	0.25	1	10/29/2015 16:40
Bromochloromethane	ND	H	0.25	1	10/29/2015 16:40
Bromodichloromethane	ND	H	0.25	1	10/29/2015 16:40
Bromoform	ND	H	0.25	1	10/29/2015 16:40
Bromomethane	ND	H	0.25	1	10/29/2015 16:40
Carbon Tetrachloride	ND	H	0.25	1	10/29/2015 16:40
Chlorobenzene	ND	H	0.25	1	10/29/2015 16:40
Chloroethane	ND	H	0.25	1	10/29/2015 16:40
Chloroform	ND	H	0.25	1	10/29/2015 16:40
Chloromethane	ND	H	0.25	1	10/29/2015 16:40
2-Chlorotoluene	ND	H	0.25	1	10/29/2015 16:40
4-Chlorotoluene	ND	H	0.25	1	10/29/2015 16:40
Dibromochloromethane	ND	H	0.25	1	10/29/2015 16:40
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	10/29/2015 16:40
1,2-Dibromoethane (EDB)	ND	H	0.25	1	10/29/2015 16:40
Dibromomethane	ND	H	0.25	1	10/29/2015 16:40
1,2-Dichlorobenzene	ND	H	0.25	1	10/29/2015 16:40
1,3-Dichlorobenzene	ND	H	0.25	1	10/29/2015 16:40
1,4-Dichlorobenzene	ND	H	0.25	1	10/29/2015 16:40
Dichlorodifluoromethane	ND	H	0.25	1	10/29/2015 16:40
1,1-Dichloroethane	ND	H	0.25	1	10/29/2015 16:40
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	10/29/2015 16:40
1,1-Dichloroethene	ND	H	0.25	1	10/29/2015 16:40
cis-1,2-Dichloroethene	**1.1**	H	0.25	1	10/29/2015 16:40
trans-1,2-Dichloroethene	ND	H	0.25	1	10/29/2015 16:40
1,2-Dichloropropane	ND	H	0.25	1	10/29/2015 16:40
1,3-Dichloropropane	ND	H	0.25	1	10/29/2015 16:40
2,2-Dichloropropane	ND	H	0.25	1	10/29/2015 16:40
1,1-Dichloropropene	ND	H	0.25	1	10/29/2015 16:40
cis-1,3-Dichloropropene	ND	H	0.25	1	10/29/2015 16:40
trans-1,3-Dichloropropene	ND	H	0.25	1	10/29/2015 16:40
Freon 113	ND	H	0.25	1	10/29/2015 16:40
Hexachlorobutadiene	ND	H	0.25	1	10/29/2015 16:40
Hexachloroethane	ND	H	0.25	1	10/29/2015 16:40
Methylene chloride	ND	H	0.25	1	10/29/2015 16:40
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	10/29/2015 16:40
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	10/29/2015 16:40

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1510915-002A	Air	10/26/2015 08:23	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**110**	H	1.7	6.7	10/29/2015 19:52
1,2,3-Trichlorobenzene	ND	H	0.25	1	10/29/2015 16:40
1,2,4-Trichlorobenzene	ND	H	0.25	1	10/29/2015 16:40
1,1,1-Trichloroethane	ND	H	0.25	1	10/29/2015 16:40
1,1,2-Trichloroethane	ND	H	0.25	1	10/29/2015 16:40
Trichloroethene	**6.7**	H	0.25	1	10/29/2015 16:40
Trichlorofluoromethane	ND	H	0.25	1	10/29/2015 16:40
1,2,3-Trichloropropane	ND	H	0.25	1	10/29/2015 16:40
Vinyl Chloride	ND	H	0.25	1	10/29/2015 16:40

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	91	H	70-130	10/29/2015 16:40
Toluene-d8	85	H	70-130	10/29/2015 16:40
4-BFB	81	H	70-130	10/29/2015 16:40

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1510915-001A	Air	10/26/2015 08:40	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	10/29/2015 15:59
Bromochloromethane	ND	H	250	1	10/29/2015 15:59
Bromodichloromethane	ND	H	250	1	10/29/2015 15:59
Bromoform	ND	H	250	1	10/29/2015 15:59
Bromomethane	ND	H	250	1	10/29/2015 15:59
Carbon Tetrachloride	ND	H	250	1	10/29/2015 15:59
Chlorobenzene	ND	H	250	1	10/29/2015 15:59
Chloroethane	ND	H	250	1	10/29/2015 15:59
Chloroform	ND	H	250	1	10/29/2015 15:59
Chloromethane	ND	H	250	1	10/29/2015 15:59
2-Chlorotoluene	ND	H	250	1	10/29/2015 15:59
4-Chlorotoluene	ND	H	250	1	10/29/2015 15:59
Dibromochloromethane	ND	H	250	1	10/29/2015 15:59
1,2-Dibromo-3-chloropropane	ND	H	250	1	10/29/2015 15:59
1,2-Dibromoethane (EDB)	ND	H	250	1	10/29/2015 15:59
Dibromomethane	ND	H	250	1	10/29/2015 15:59
1,2-Dichlorobenzene	ND	H	250	1	10/29/2015 15:59
1,3-Dichlorobenzene	ND	H	250	1	10/29/2015 15:59
1,4-Dichlorobenzene	ND	H	250	1	10/29/2015 15:59
Dichlorodifluoromethane	ND	H	250	1	10/29/2015 15:59
1,1-Dichloroethane	ND	H	250	1	10/29/2015 15:59
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	10/29/2015 15:59
1,1-Dichloroethene	ND	H	250	1	10/29/2015 15:59
cis-1,2-Dichloroethene	ND	H	250	1	10/29/2015 15:59
trans-1,2-Dichloroethene	ND	H	250	1	10/29/2015 15:59
1,2-Dichloropropane	ND	H	250	1	10/29/2015 15:59
1,3-Dichloropropane	ND	H	250	1	10/29/2015 15:59
2,2-Dichloropropane	ND	H	250	1	10/29/2015 15:59
1,1-Dichloropropene	ND	H	250	1	10/29/2015 15:59
cis-1,3-Dichloropropene	ND	H	250	1	10/29/2015 15:59
trans-1,3-Dichloropropene	ND	H	250	1	10/29/2015 15:59
Freon 113	ND	H	250	1	10/29/2015 15:59
Hexachlorobutadiene	ND	H	250	1	10/29/2015 15:59
Hexachloroethane	ND	H	250	1	10/29/2015 15:59
Methylene chloride	ND	H	250	1	10/29/2015 15:59
1,1,1,2-Tetrachloroethane	ND	H	250	1	10/29/2015 15:59
1,1,2,2-Tetrachloroethane	ND	H	250	1	10/29/2015 15:59

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SSD INF	1510915-001A	Air	10/26/2015 08:40	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	ND	H	250	1	10/29/2015 15:59
1,2,3-Trichlorobenzene	ND	H	250	1	10/29/2015 15:59
1,2,4-Trichlorobenzene	ND	H	250	1	10/29/2015 15:59
1,1,1-Trichloroethane	ND	H	250	1	10/29/2015 15:59
1,1,2-Trichloroethane	ND	H	250	1	10/29/2015 15:59
Trichloroethene	ND	H	250	1	10/29/2015 15:59
Trichlorofluoromethane	ND	H	250	1	10/29/2015 15:59
1,2,3-Trichloropropane	ND	H	250	1	10/29/2015 15:59
Vinyl Chloride	ND	H	250	1	10/29/2015 15:59

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	88	H	70-130	10/29/2015 15:59
Toluene-d8	86	H	70-130	10/29/2015 15:59
4-BFB	84	H	70-130	10/29/2015 15:59

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1510915-002A	Air	10/26/2015 08:23	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Bromobenzene	ND	H	250	1	10/29/2015 16:40
Bromochloromethane	ND	H	250	1	10/29/2015 16:40
Bromodichloromethane	ND	H	250	1	10/29/2015 16:40
Bromoform	ND	H	250	1	10/29/2015 16:40
Bromomethane	ND	H	250	1	10/29/2015 16:40
Carbon Tetrachloride	ND	H	250	1	10/29/2015 16:40
Chlorobenzene	ND	H	250	1	10/29/2015 16:40
Chloroethane	ND	H	250	1	10/29/2015 16:40
Chloroform	ND	H	250	1	10/29/2015 16:40
Chloromethane	ND	H	250	1	10/29/2015 16:40
2-Chlorotoluene	ND	H	250	1	10/29/2015 16:40
4-Chlorotoluene	ND	H	250	1	10/29/2015 16:40
Dibromochloromethane	ND	H	250	1	10/29/2015 16:40
1,2-Dibromo-3-chloropropane	ND	H	250	1	10/29/2015 16:40
1,2-Dibromoethane (EDB)	ND	H	250	1	10/29/2015 16:40
Dibromomethane	ND	H	250	1	10/29/2015 16:40
1,2-Dichlorobenzene	ND	H	250	1	10/29/2015 16:40
1,3-Dichlorobenzene	ND	H	250	1	10/29/2015 16:40
1,4-Dichlorobenzene	ND	H	250	1	10/29/2015 16:40
Dichlorodifluoromethane	ND	H	250	1	10/29/2015 16:40
1,1-Dichloroethane	ND	H	250	1	10/29/2015 16:40
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	10/29/2015 16:40
1,1-Dichloroethene	ND	H	250	1	10/29/2015 16:40
cis-1,2-Dichloroethene	**1100**	H	250	1	10/29/2015 16:40
trans-1,2-Dichloroethene	ND	H	250	1	10/29/2015 16:40
1,2-Dichloropropane	ND	H	250	1	10/29/2015 16:40
1,3-Dichloropropane	ND	H	250	1	10/29/2015 16:40
2,2-Dichloropropane	ND	H	250	1	10/29/2015 16:40
1,1-Dichloropropene	ND	H	250	1	10/29/2015 16:40
cis-1,3-Dichloropropene	ND	H	250	1	10/29/2015 16:40
trans-1,3-Dichloropropene	ND	H	250	1	10/29/2015 16:40
Freon 113	ND	H	250	1	10/29/2015 16:40
Hexachlorobutadiene	ND	H	250	1	10/29/2015 16:40
Hexachloroethane	ND	H	250	1	10/29/2015 16:40
Methylene chloride	ND	H	250	1	10/29/2015 16:40
1,1,1,2-Tetrachloroethane	ND	H	250	1	10/29/2015 16:40
1,1,2,2-Tetrachloroethane	ND	H	250	1	10/29/2015 16:40

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Received:	10/26/15 17:51	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/m³

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVE-1 INF	1510915-002A	Air	10/26/2015 08:23	GC10	112234

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Tetrachloroethene	**110,000**	H	1700	6.7	10/29/2015 19:52
1,2,3-Trichlorobenzene	ND	H	250	1	10/29/2015 16:40
1,2,4-Trichlorobenzene	ND	H	250	1	10/29/2015 16:40
1,1,1-Trichloroethane	ND	H	250	1	10/29/2015 16:40
1,1,2-Trichloroethane	ND	H	250	1	10/29/2015 16:40
Trichloroethene	**6700**	H	250	1	10/29/2015 16:40
Trichlorofluoromethane	ND	H	250	1	10/29/2015 16:40
1,2,3-Trichloropropane	ND	H	250	1	10/29/2015 16:40
Vinyl Chloride	ND	H	250	1	10/29/2015 16:40

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	91	H	70-130	10/29/2015 16:40
Toluene-d8	85	H	70-130	10/29/2015 16:40
4-BFB	81	H	70-130	10/29/2015 16:40

Analyst(s): AK

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Prepared:	10/29/15	**BatchID:**	112234
Date Analyzed:	10/29/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-112234

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	2.0	-	-	-	-
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.73	0.50	10	-	97	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	11.1	0.50	10	-	111	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	11.2	0.50	10	-	112	66-125
1,1-Dichloroethene	ND	11.3	0.50	10	-	113	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1510915
Date Prepared:	10/29/15	**BatchID:**	112234
Date Analyzed:	10/29/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-112234

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	11.1	0.50	10	-	111	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	22.0	23.0		25	88	92	70-130
Toluene-d8	21.4	20.9		25	86	83	70-130
4-BFB	1.99	2.16		2.5	80	86	70-130

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510915 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party:
PO: 96643
ProjectNo: 261829; Foothill Square

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: **10/26/2015**
Date Printed: **10/26/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1510915-001	SSD INF	Air	10/26/2015 8:40	☐	A	A										
1510915-002	SVE-1 INF	Air	10/26/2015 8:23	☐	A	A										

Test Legend:

1	8010BMS_A	2	8010BMS_A(UG/M3)	3		4	
5		6		7		8	
9		10		11		12	

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Project: 261829; Foothill Square
Comments:

QC Level: LEVEL 2
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Work Order: 1510915
Date Received: 10/26/2015

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510915-001A	SSD INF	Air	HVOCs by GCMS	1	Tedlar	☐	10/26/2015 8:40	5 days		☐	
1510915-002A	SVE-1 INF	Air	HVOCs by GCMS	1	Tedlar	☐	10/26/2015 8:23	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565

Telephone: (925) 252-9262 Fax: (925) 252-9269

IS10915

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☒ Yes ☐ No

Report To: Jeremy Smith Bill To: same P.O. # 96643

Company: AEI Consultants

2500 Camino Diablo

Walnut Creek, CA 94597 E-Mail: jasmith@aeiconsultants.com

Tele: (925) 746-6000 Fax: (925) 746-6099

Project #: 261829 Project Name: Foothill Square

Project Location: 10700 MacArthur Blvd. Oakland, CA

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015) w/silica Gel Cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
SSD INF		10/26/15	0840	1	Tedlar			X											X												
SVE-1 INF		10/26/15	0823	1	Tedlar			X											X												

Analysis Request | Other | Comments

Relinquished By:	Date:	Time:	Received By:
	10-26-15	1430	
Relinquished By:	Date:	Time:	Received By:
	10-26-15	1655	
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____ VOAS | O&G | METALS | OTHER

GOOD CONDITION _____ PRESERVATION _____

HEAD SPACE ABSENT _____ APPROPRIATE

DECHLORINATED IN LAB _____ CONTAINERS _____

PERSERVED IN LAB _____

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **10/26/2015 5:51:46 PM**

Project Name: **261829; Foothill Square**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1510915** Matrix: Air
Carrier: Bernie Cummins (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☐	No ☑	
Sample/Temp Blank temperature	Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: Method SW8260B (HVOCs List) was received passed its 0.25-day holding time.

APPENDIX B
System Field Sheets

AEI Consultants

AEI CONSULTANTS

VAPOR EXTRACTION / BLOWER SYSTEM FIELD DATA SHEET

Site Name: Foothill Square

Location: 10700 MacArthur Blvd., Oakland

Project No.: 261829

Field Technician: John Sigg

Project Manager: Jeremy Smith

Conditions:

SSD SYSTEM

Date	Time	Extraction Pits Online	System Status (ON/OFF)	Current Hour Meter	Previous Hour Meter	System Runtime (hours)	Water In Knock-out Tank?	Cooling Fans Working?	Inlet Temp (°F)	VFD Setting (Hz)	System Vacuum (in-H2O)	Total Velocity (fpm)	**Total Flow (cfm)	Outlet Temp (°F)
01/13/14	10:00	ALL	Startup	0.4			No	Yes	60	50	20	5,000	109	80
01/14/14	8:54	ALL	ON	22.9	0.4	22.5	No	Yes	60	50	20	5,000	109	86
01/15/14	12:00	ALL	ON	50.0	22.9	27.1	No	Yes	66	50	20	5,000	109	90
01/16/14	8:00	ALL	ON	70.0	50.0	20.0	No	Yes	62	50	20	5,000	109	86
01/17/14	9:10	ALL	ON	95.0	70.0	25.0	No	Yes	62	50	20	5,000	109	86
03/03/14	10:00	ALL	Startup	96.1	95.0	1.1	No	Yes	64	50	18	5,000	109	72
03/04/14	14:00	ALL	ON	124.1	96.1	28.0	No	Yes	66	50	18	5,000	109	92
03/05/14	8:30	ALL	ON	143.2	124.1	19.1	No	Yes	68	50	18	5,000	109	94
03/06/14	11:30	ALL	ON	170.2	143.2	27.0	No	Yes	68	50	18	5,000	109	102
03/07/14	13:20	ALL	ON	196.9	170.2	26.7	No	Yes	70	50	18	5,000	109	110
03/10/14	7:40	ALL	Startup	196.9	196.9	0.0	No	Yes	68	50	18	5,000	109	68
03/11/14	14:10	ALL	ON	228.4	196.9	31.5	No	Yes	72	50	18	5,000	109	110
03/12/14	13:05	ALL	ON	251.3	228.4	22.9	No	Yes	74	50	18	5,000	109	112
03/13/14	15:45	ALL	ON	277.7	251.3	26.4	No	Yes	76	50	18	5,000	109	116
03/20/14	9:40	ALL	ON	443.3	277.7	165.6	No	Yes	72	50	18	5,000	109	100
03/27/14	13:10	ALL	ON	617.7	443.3	174.4	No	Yes	76	50	18	5,000	109	100
04/03/14	8:45	ALL	ON	785.1	617.7	167.4	No	Yes	72	50	18	5,000	109	100
04/10/14	11:45	ALL	ON	948.4	785.1	163.3	No	Yes	74	50	18	5,000	109	100
04/16/14	9:15	ALL	ON	1097.1	948.4	148.7	No	Yes	69	50	16	5,000	109	88
04/25/14	5:55	ALL	ON	1310.7	1097.1	213.6	No	Yes	70	50	16	5,000	109	82
05/02/14	7:27	ALL	ON	1480.6	1310.7	169.9	No	Yes	70	50	16	5,000	109	86
05/09/14	10:00	ALL	ON	1652.0	1480.6	171.4	No	Yes	70	50	16	5,000	109	82
05/16/14	9:30	ALL	ON	1920.0	1652.0	268.0	No	Yes	70	50	16	5,000	109	88
05/23/14	9:00	ALL	ON	1988.3	1920.0	68.3	No	Yes	68	50	16	5,000	109	80
05/30/14	8:30	ALL	ON	2156.4	1988.3	168.1	No	Yes	70	50	16	5,000	109	80
06/06/14	5:00	ALL	ON	2320.5	2156.4	164.1	No	Yes	68	50	10	4,000	87	80
06/18/14	10:45	ALL	ON	2613.9	2320.5	293.4	No	Yes	70	50	10	4,000	87	80
06/24/14	12:45	ALL	ON	2760.1	2613.9	146.2	No	Yes	70	50	10	4,000	87	80
07/03/14	6:00	ALL	ON	2970.6	2760.1	210.5	No	Yes	72	50	10	4,000	87	84
07/10/14	6:30	ALL	ON	3139.6	2970.6	169.0	No	Yes	72	50	10	4,000	87	86
08/11/14	5:30	ALL	ON	3909.8	3139.6	770.2	No	Yes	72	50	10	4,000	87	84
09/12/14	8:00	ALL	ON	4282.6	3909.8	372.8	No	Yes	70	50	10	4,000	87	86
10/14/14	10:00	ALL	ON	5457.2	4282.6	1174.6	No	Yes	70	50	10	4,000	87	84
11/20/14	5:00	ALL	ON	6344.9	5457.2	887.7	No	Yes	68	50	10	4,000	87	80
12/31/14	5:30	ALL	ON	7333.0	6344.9	988.1	No	Yes	62	50	10	4,000	87	70
01/14/15	7:30	ALL	ON	7672.6	7333.0	339.6	No	Yes	62	50	10	4,000	87	70
02/11/15	7:30	ALL	ON	8347.5	7672.6	674.9	No	Yes	64	50	10	4,000	87	68
03/26/15	8:17	ALL	ON	9384.9	8347.5	1037.4	No	Yes	68	50	12	4,200	92	72
04/20/15	6:00	ALL	ON	9995.6	9384.9	610.7	No	Yes	62	50	12	4,200	92	70
05/07/15	8:00	ALL	ON	10412.5	9995.6	416.9	No	Yes	68	50	12	4,200	92	74
06/18/15	10:00	ALL	ON	11448.2	10412.5	1035.7	No	Yes	68	50	12	4,200	92	79
07/08/15	4:45	ALL	ON	11933.1	11448.2	484.9	No	Yes	68	50	12	4,200	92	78
08/27/15	14:45	ALL	ON / OFF	13172.4	11933.1	1239.3	No	Yes	78	50	12	4,200	92	86
09/28/15		ALL	Restart	13173.4	13172.4	1.0								
10/26/15	8:00	ALL	ON	13859.9	13173.4	686.5	No	Yes	68	50	12	4,200	92	78

NOTES: 1-13-14 @ 10:00 commence system operation

1-17-14 @ 10:00 system shut down for weekend per BAAQMD Permit Conditions - system off until 3/314 due to electrical issues at the site

3/3/14 @10:00 System Started Back Up

3/7/14 - system shut down for weekend per BAAQMD Permit Conditions

8/27/15 - System shut down for rebound testing; Restarted on 9/28/15

°F = degree Fahrenheit
in-H2O = inches of water
fpm = actual feet per minute
cfm = actual cubic feet per minute
Cross Sectional Area of 2" Pipe = 0.0218 ft^2
**Total Flow = Total Velocity * Area of 2" Pipe

AEI CONSULTANTS
VAPOR EXTRACTION / BLOWER SYSTEM FIELD DATA SHEET

Site Name: Foothill Square
Location: 10700 MacArthur Blvd., Oakland
Project No.: 261829

Field Technician: John Sigg
Project Manager: Jeremy Smith
Conditions:

SVE SYSTEM

Date	Time	System Status (ON/OFF)	Current Hour Meter	Previous Hour Meter	System Runtime (hours)	Water In Knock-out Tank?	Cooling Fans Working?	Inlet Temp (°F)	VFD Setting (Hz)	System Vacuum (in-H2O)	Total Velocity (fpm)	**Total Flow (cfm)	Outlet Temp (°F)
01/13/14	12:00	Startup	0.4			No	Yes	60	60	36	100	2	60
01/14/14	8:54	ON	22.9	0.4	22.5	No	Yes	60	60	37	100	2	60
01/15/14	12:00	ON	50.0	22.9	27.1	No	Yes	65	60	37	100	2	68
01/16/14	8:00	ON	70.0	50.0	20.0	No	Yes	60	60	37	100	2	60
01/17/14	9:10	ON	95.0	70.0	25.0	No	Yes	60	60	37	100	2	62
03/03/14	10:00	Startup [1]	96.1	95.0	1.1	No	Yes	60	50	110	800	17	70
03/04/14	14:00	ON	124.1	96.1	28.0	No	Yes	62	50	110	800	17	82
03/05/14	8:30	ON	143.2	124.1	19.1	No	Yes	66	50	105	900	20	88
03/06/14	11:30	ON	170.2	143.2	27.0	No	Yes	68	50	105	900	20	102
03/07/14	13:20	ON	196.9	170.2	26.7	No	Yes	72	50	105	900	20	110
03/10/14	7:40	Startup	196.9	196.9	0.0	No	Yes	68	50	105	900	20	68
03/11/14	14:10	ON	228.9	196.9	32.0	No	Yes	72	50	105	900	20	112
03/12/14	13:05	ON	251.8	228.9	22.9	No	Yes	74	50	105	900	20	114
03/13/14	15:45	ON	278.2	251.8	26.4	No	Yes	76	50	105	900	20	118
03/20/14	9:40	ON	444.5	278.2	166.3	No	Yes	72	50	105	900	20	98
03/27/14	13:10	ON	619.3	444.5	174.8	No	Yes	74	50	105	900	20	110
04/03/14	8:45	Off	619.3	619.3	0.0	No	Yes	68	50	100	900	20	82
04/10/14	11:45	ON	782.5	619.3	163.2	No	Yes	72	50	100	900	20	96
04/16/14	9:15	ON	931.6	782.5	149.1	No	Yes	68.5	50	135	600	13	90
04/25/14	5:55	ON	1145.4	931.6	213.8	No	Yes	68	50	140	550	12	92
05/02/14	7:26	ON	1315.5	1145.4	170.1	No	Yes	70	50	140	550	12	98
05/09/14	10:00	ON	1487.0	1315.5	171.5	No	Yes	70	50	140	550	12	96
05/16/14	9:30	ON	1655.2	1487.0	168.2	No	Yes	70	50	145	550	12	100
05/23/14	9:00	ON	1823.6	1655.2	168.4	No	Yes	68	50	150	550	12	92
05/30/14	8:30	ON	1991.8	1823.6	168.2	No	Yes	68	50	150	550	12	96
06/06/14	5:00	ON	2156.6	1991.8	164.8	No	Yes	68	50	150	500	11	80
06/18/14	10:45	ON	2449.7	2156.6	293.1	No	Yes	70	50	145	500	11	80
06/24/14	12:45	ON	2595.8	2449.7	146.1	No	Yes	70	50	145	500	11	80
07/03/14	6:00	ON	2806.7	2595.8	210.9	No	Yes	72	50	145	500	11	84
07/10/14	6:30	ON	2975.9	2806.7	169.2	No	Yes	74	50	145	500	11	86
08/11/14	5:30	ON	3745.6	2975.9	769.7	No	Yes	72	50	145	500	11	84
09/12/14	8:00	ON	4520.1	3745.6	774.5	No	Yes	72	50	145	500	11	86
10/14/14	10:00	ON	5293.1	4520.1	773.0	No	Yes	70	50	145	500	11	84
11/20/14	5:00	ON	6183.8	5293.1	890.7	No	Yes	68	50	145	500	11	80
12/31/14	5:30	ON	7172.6	6183.8	988.8	No	Yes	54	50	145	500	11	70
01/14/15	7:30	ON	7512.5	7172.6	339.9	No	Yes	58	50	145	500	11	70
02/11/15	7:30	ON	8187.9	7512.5	675.4	No	Yes	60	50	145	500	11	72
03/26/15	8:15	Off	9226.3	8187.9	1038.4	No	Yes	--	--	--	--	--	--
04/20/15	6:00	ON	9297.4	9226.3	71.1	No	Yes	60	50	145	500	11	70
05/07/15	8:00	ON	9667.1	9297.4	369.7	No	Yes	68	50	145	500	11	74
06/18/15	10:00	ON	10706.3	9667.1	1039.2	No	Yes	60	50	145	500	11	79
07/08/15	4:45	ON	11192.3	10706.3	486.0	No	Yes	60	50	145	500	11	78
08/27/15	14:45	ON / OFF	12434.7	11192.3	1242.4	No	Yes	86	50	145	500	11	86
09/28/15		Restart	12435.1	12434.7	0.4								
10/26/15	8:00	ON	13124.1	12435.1	689.0	No	Yes	67	50	145	500	11	78

NOTES:
1-13-14 @ 10:00 commence system operation

1-17-14 @ 10:00 system shut down for weekend per BAAQMD Permit Conditions - system off until 3/314 due to electrical issues at the site

3/3/14 @10:00 System Started Back Up

3/7/14 - system shut down for weekend per BAAQMD Permit Conditions

3/27/14 - System shut down due to high PID readings after MID

3/26/15 - System down on arrival; repaired electrical issue and restarted system on 4/17/15

[1] = system confirguration altered to increase vacuum capability.

8/27/15 - System shut down for rebound testing; Restarted on 9/28/15

°F = degree Fahrenheit
in-H2O = inches of water
fpm = actual feet per minute
cfm = actual cubic feet per minute
Cross Sectional Area of 2" Pipe = 0.0218 ft^2
**Total Flow = Total Velocity * Area of 2" Pipe

AEI CONSULTANTS

PAGE:____ OF:____

VAPOR EXTRACTION / BLOWER SYSTEM FIELD DATA SHEET

Site Name: Foothill Square | Field Technician: John Sigg

Location: 10700 MacArthur Blvd., Oakland | Project Manager: Jeremy Smith

Project No.: 261829 | Conditions:

Date	Time	INF (SSD) (ppmv)	MID (SSD) (ppmv)	EFF (SSD) (ppmv)		INF (SVE) (ppmv)	MID (SVE) (ppmv)	EFF (SVE) (ppmv)		COMB INF (ppmv)	COMB MID (ppmv)	COMB EFF (ppmv)	Back-Ground
01/14/14	9:10	17.4	1.4	0.2		23.2	1.8	0.2		--	--	--	0.0
01/15/14	12:10	18.6	0.6	0.3		30.7	0.8	0.3		--	--	--	0.0
01/16/14	8:00	15.2	0.8	0.2		27.3	0.7	0.4		--	--	--	0.0
01/17/14	9:15	17.7	0.8	0.2		25.1	0.6	0.4		--	--	--	0.0
03/03/14	10:10	15.3	0.5	0.0		32.1	0.4	0.0		--	--	--	0.0
03/04/14	14:15	13.1	0.5	0.0		28.3	0.4	0.0		--	--	--	0.0
03/05/14	8:45	7.3	0.9	0.0		26.6	0.6	0.0		--	--	--	0.0
03/06/14	11:45	8.4	1.2	0.0		24.3	1.3	0.0		--	--	--	0.0
03/07/14	13:35	7.9	1.0	0.0		25.1	1.5	0.0		--	--	--	0.0
03/10/14	7:50	8.9	1.0	0.0		28.3	1.5	0.0		--	--	--	0.0
03/11/14	14:20	7.5	1.0	0.0		26.4	1.5	0.0		--	--	--	0.0
03/12/14	13:15	8.1	1.2	0.0		24.1	1.7	0.0		--	--	--	0.0
03/13/14	16:00	6.2	2.1	0.0		22.0	2.3	0.0		--	--	--	0.0
03/20/14	10:00	2.6	1.5	0.0		338.2	5.1	0.2		--	--	--	0.0
03/27/14	13:10	2.8	1.7	0.0		295.1	12.8	0.8		--	--	--	0.0
04/03/14	8:45	1.5	1.6	0.0		412.0	0.5	0.0		--	--	--	0.0
04/10/14	13:45	0.9	1.5	0.0		213.0	0.5	0.0		--	--	--	0.0
04/16/14	9:15	1.9	1.8	0.0		78.9	13.7	0.0		--	--	--	0.0
04/25/14	5:40	1.5	1.9	0.0		66.4	1.8	0.0		--	--	--	0.0
05/16/14	10:00	2.2	1.4	0.0		62.8	3.9	0.0		--	--	--	0.0
05/23/14	8:50	0.7	0.2	0.0		50.7	0.3	0.0		--	--	--	0.0
05/30/14	8:45	1.2	0.2	0.0		48.2	0.3	0.0		--	--	--	0.0
06/06/14	5:00	1.8	0.2	0.0		68.6	0.4	0.0		0.0	0.0	0.0	0.0
06/08/14	11:00	1.3	0.0	0.0		67.8	4.3	0.8		0.0	0.0	0.0	0.0
06/24/14	12:00	1.5	0.0	0.0		58.3	6.2	0.9		0.0	0.0	0.0	0.0
07/03/14	6:15	3.4	0.0	0.0		54.6	8.4	0.9		0.0	0.0	0.0	0.0
07/10/14	7:00	2.1	0.0	0.0		43.7	10.8	1.7		0.0	0.0	0.0	0.0
08/11/14	6:15	16.3	7.4	0.0		84.5	44.5	35.8		32.7	5.1	0.0	0.0
09/12/14	8:30	2.4	0.0	0.0		63.2	23.8	10.7		0.0	0.0	0.0	0.0
10/14/14	10:15	15.1	2.6	0.0		78.7	17.3	5.2		3.8	0.0	0.0	0.0
11/20/14	5:00	12.7	1.8	0.0		33.9	14.8	4.7		2.3	0.0	0.0	0.0
12/31/14	5:45	20.3	1.5	0.0		26.3	12.4	3.2		2.0	0.0	0.0	0.0
01/14/15	7:45	1.3	1.0	0.0		48.2	13.7	3.8		2.0	0.0	0.0	0.0
02/11/15	7:45	0.9	0.0	0.0		60.2	8.3	2.6		1.0	0.0	0.0	0.0
03/26/18	8:20	2.2	1.6	1.3		--	--	--		--	--	--	--
04/20/15	6:00	18.3	1.4	1.6		21.9	6.2	1.8		2.1	0.0	0.0	0.0
05/07/15	8:20	28.6	1.6	1.5		46.1	7.4	2.1		2.3	0.0	0.0	0.0
06/18/15	9:50	48.7	1.4	1.5		77.2	7.2	2.5		2.5	0.0	0.0	0.0
07/08/15	4:30	56.7	1.5	1.5		68.4	7.2	2.6		2.6	0.0	0.0	0.0
08/27/15	14:45	9.5	3.4	2.9		129.1	124.5	1.6		1.4	0.3	0.0	0.0
10/26/15	7:45	4.3	1.6	3.4		83.4	130.8	3.4		3.5	0.5	0.5	0.0

NOTES:

3/27/14 : SVE System shut down due to high carbon Readings

4/3/14 ; Switched out 1 carbon drum on SVE system; added KMN Drum for Initial cleanup; now KMN/Carbon 1/Carbon 2

4/16/14; Switched out 1 carbon drum on SVE system due to high readings; kept KMN in place

6/6/14; Modified system design to install carbon drums after system blower (combined INF / MID / EFF)

ppmv = parts per million by volume

ppbv = parts per billion by volume

nm = not measured

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VAPOR EXTRACTION / BLOWER SYSTEM FIELD DATA SHEET

Site Name: Foothill Square

Location: 10700 MacArthur Blvd., Oakland

Project No.: 261829

Field Technician:

Project Manager: Jeremy Smith

Conditions:

Date	Time	SS-1 (in-H2O)	SS-2 (in-H2O)	SS-3 (in-H2O)	SS-4 (in-H2O)	SS-5 (in-H2O)	SS-6 (in-H2O)	SS-7 (in-H2O)	SS-8 (in-H2O)	SS-9 (in-H2O)	SS-10 (in-H2O)	VM-1 (in-H2O)	VM-2 (in-H2O)	VM-3 (in-H2O)	VM-4 (in-H2O)
01/14/14	8:45	0.012	0.016	0.049	0.121	0.124	0.021	0.026	0.006	0.007	0.042	--	--	--	--
01/15/14	12:20	0.013	0.016	0.047	0.119	0.127	0.023	0.021	0.007	0.005	0.040	--	--	--	--
03/11/14	14:35	0.014	0.015	0.048	0.120	0.125	0.022	0.025	0.008	0.006	0.041	--	--	--	--
03/20/14	10:20	0.013	0.014	0.048	0.110	0.121	0.021	0.024	0.006	0.004	0.040	--	--	--	--
05/02/14		0.22	0.050	0.144	0.121	0.177	0.048	0.104	0.008	0.023	0.373	+0.397	+0.453	0.141	+0.042
05/18/14	12:00	0.019	0.034	0.099	0.103	0.152	0.037	0.095	0.005	0.019	0.308	+0.353	+0.417	0.130	+0.025
09/12/14	14:30	0.020	0.038	0.124	0.110	0.162	0.032	0.089	0.007	0.015	0.290	0.007	0.013	0.110	0.002
10/14/14	10:30	0.023	0.032	0.112	0.107	0.148	0.033	0.090	0.006	0.020	0.298	0.010	0.018	0.121	0.013
11/20/14	12:30	0.021	0.034	0.132	0.111	0.143	0.031	0.088	0.006	0.019	0.301	0.011	0.015	0.108	0.010
01/14/15		0.022	0.030	0.128	0.109	0.145	0.032	0.086	0.006	0.018	0.298	0.010	0.016	0.110	0.011
03/26/15	8:43	0.015	--	--	--	--	--	--	--	0.015	--	--	--	--	--
04/17/15	10:30	0.019	0.031	0.130	0.110	0.142	0.030	0.088	0.005	0.017	0.302	0.011	0.015	0.109	0.010
08/27/15	15:22	**0.012**	--	--	--	--	--	--	--	**0.017**	--	0.147	--	--	--
10/26/15	8:15	**0.016**	--	0.009	0.097	**0.115**	**0.032**	**0.006**	**0.015**	**0.015**	--	0.169	--	0.009	0.044

NOTES: 3/26/15 - Stores not open

in-H2O = inches of water nm = not measured

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VAPOR EXTRACTION / BLOWER SYSTEM FIELD DATA SHEET

Site Name: Foothill Square

Location: 10700 MacArthur Blvd., Oakland

Project No.: 261829

Field Technician:

Project Manager: Jeremy Smith

Conditions:

Date	Time	VM-5 (in-H2O)	VM-6 (in-H2O)	VM-7 (in-H2O)	VM-8 (in-H2O)	VM-9 (in-H2O)	VM-10 (in-H2O)								
05/02/14		0.317	0.086	0.076	0.014	0.126	0.102								
06/18/14		0.285	0.073	0.069	0.013	0.110	0.092								
09/12/14		0.123	0.092	0.088	0.008	0.091	0.101								
10/14/14		0.209	0.088	0.073	0.010	0.103	0.090								
11/20/14		0.213	0.090	0.076	0.012	0.098	0.090								
01/14/15		0.189	0.089	0.080	0.009	0.101	0.092								
04/17/15		0.192	0.090	0.077	0.009	0.098	0.092								
08/27/15		--	--	--	--	--	--								
10/26/15		0.187	0.009	0.002	0.157	0.092	--								

NOTES:

in-H2O = inches of water nm = not measured