November 12, 2013

Ms. Karel Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: **Perjury Statement and Report Transmittal**
1630 Park Street, Parcel B
Alameda, California 94501
AEI Project No. 298931
ACEH RO#0000008

Dear Ms. Detterman:

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 call me or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,

John Buestad
President

JB/pm

Attachment: AEI Consultants, *Sampling Summary Report and Workplan for Well Abandonment*

cc: Mr. Peter McIntyre, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

AEI Consultants
Environmental & Engineering Services
2500 Camino Diablo, Walnut Creek, CA 94597
Tel: 925.746.6000 Fax: 925.746.6099

November 12, 2013

Alameda County Environmental Health Department
Attn: Ms. Karel Detterman
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Sampling Summary Report and Workplan for Well Abandonment**
1630 Park Street, Parcel B
Alameda, California
AEI Project No. 298931
ACEH Fuel Leak Case No. RO0000008

Dear Ms. Detterman:

AEI Consultants (AEI) has prepared this *Sampling Summary Report and Workplan for Well Abandonment* on behalf of Foley Street Investments (FSI), developer of the subject site (See Figure 1 and Figure 2). The subject of this letter report is the leaking underground storage tank (LUST) case located at the property 1630 Park Street, known as the Good Chevrolet site. The Alameda County Environmental Health Department (ACEH) is the agency with regulatory oversight of the LUST case. This report has been prepared to present a summary of the results of the recent groundwater and soil vapor sampling activities and propose a scope of work to the ACEH to destroy the onsite monitoring wells and soil vapor probes. This work was discussed in the meeting with the ACEH on October 18, 2013. This letter report includes the following:

1. A summary of the October 24, 2013 groundwater monitoring activities at the site;
2. A summary of the October 24, 2013 soil vapor probe installation and sampling activities at the site;
3. A brief workplan for the abandonment of all onsite groundwater/remediation wells (MW-1 to MW-3, DPE-1, DPE-4, DPE-6, and DPE-8 to DPE-11) and soil vapor probes (VP-1 to VP-3, SV-3, SV-4, SV-6 to SV-9, and SV-12 to SV-15) at the site; and
4. Schedule for implementation of these tasks.

As agreed during the October 18, 2013 meeting, this interim report is to notify the ACEH of the results of the recent testing and to expedite well abandonment activities so that redevelopment is not delayed. Supporting documentation and detail will be included in the forthcoming site conceptual model update.

1.0 Property Overview

1.1 Property Description

The development site consisting of 1600 to 1630 Park Street is an irregularly shaped property totaling approximately 1.46 acres, of which the northern approximately 0.47 acres is the 1630 Park Street site, referred to as Parcel B. The development site is bound by Park Street to the northwest, 1650 Park Street to the northeast, Foley Street to the Southeast, and Tilden Way to the southwest in a mixed commercial and residential area of Alameda, California. Hereinafter, unless otherwise stated, the "site" will refer to Parcel B, the 1630 Park Street property.

The site is currently vacant, being utilized for temporary construction staging, however was formerly improved with a two-story showroom and office building totaling approximately 11,264 square feet and parking lot which was until approximately 2008 occupied by Good Chevrolet. Good Chevrolet also occupied the 1600 to 1618 property to the south, which is under redevelopment. Refer to Figure 2 for the property layout and major site features.

1.2 Planned Development Project

FSI plans to construct an approximately 7,280 square foot slab-on-grade commercial building on the western side of the site along Park Street. The remainder of the development site will be improved with paved at-grade parking areas and landscaping.

1.3 Site Conditions

During the October 18, 2013 meeting between AEI, FSI, and the ACEH, current site conditions were discussed, including the preliminary results of the October 2013 source removal excavation activities. The data from the excavation samples confirms that the majority of the hydrocarbon source, including the light non-aqueous phase liquid (LNAPL) and volatile organics had been successfully removed.

Furthermore, the ACEH requested that an additional groundwater and soil vapor testing event be performed to verify that residual dissolved phase and vapor phase impact was reduced and stable following the excavation. As discussed in the meeting, subject to favorable data, this would allow for decommissioning of the on-site wells and soil vapor probes, in lieu of immediate close closure, such that construction schedules could be kept.

The following is a brief summary of the recently completed source removal, and soil vapor and groundwater sampling. Given that results of the soil vapor and groundwater sampling indicate successful removal of source soil, a workplan to abandon the on-site monitoring wells and soil vapor probes is included.

2.0 Recent Site Activities

2.1 Source Removal

Between October 1, 2013 and October 11, 2013, AEI performed excavation of impacted soil at the site. The excavation was initially opened to approximately 20 feet wide by 35 feet long to depths ranging from approximately 10 to 12.5 feet below ground surface (bgs). The excavation was expanded horizontally based on PID readings, site observations, and laboratory analytical

data to its final extents, approximately 30 feet long by 21 feet wide in the southern portion and 40 feet wide in the northern portion (Figure 3). The northeast corner of the excavation connected with the 2012 excavation of the former UST cavity area. During the source removal activities, a total of approximately 946 tons of soil and 3,460 gallons of groundwater were removed from the site and properly disposed of.

A total of 20 soil samples were analyzed at depths ranging from 3 to 12.5 feet bgs. Results of the confirmation soil sampling activities document removal of remaining high-concentration source, and are included on Tables 2 and 3 with select analytical data included in Figure 3. Complete analytical data is included in the laboratory analytical reports in Appendix A.

2.2 Groundwater Monitoring

On October 24, 2013, AEI mobilized to the site to complete groundwater monitoring and sampling activities. Groundwater monitoring and sampling activities were performed on all existing monitoring and extraction wells (MW-1 to MW-5, DPE-1, DPE-4, DPE-6, and DPE-8 to DPE-11). Groundwater sampling was accomplished using a peristaltic pump and low-flow purge techniques, and once the field parameters stabilized, groundwater samples were collected directly from the discharge side of a peristaltic pump. The groundwater samples were delivered, under proper chain of custody protocol and within hold time, to McCampbell Analytical, Inc. of Pittsburg, California (Department of Health Services Certification #1644) for analysis.

The groundwater samples were analyzed for:

- Total Petroleum Hydrocarbons as gasoline (TPH-g) by EPA Method SW8015B Modified;
- TPH as diesel (TPH-d) and TPH as motor oil (TPH-mo) by EPA Method SW8015B with silica gel clean-up; and
- Volatile organic compounds (VOCs) by EPA Method SW8260B.

Based on the review of the analytical data (see Figure 4 and Tables 4 and 5), the following conclusions can be made:

- Hydrocarbon concentrations are similar to recent events which continue to demonstrate a long term decrease in plume magnitude and extent.
- The concentrations of tetrachloroethene (PCE) and its daughter products were similar to those detected during the prior groundwater monitoring event.
- Results of testing for off-site downgradient wells MW-4 and MW-5 show attenuation of the PCE and daughter products measured in on-site wells.
- Source removal accomplished in the area described above has removed potential longer-term on-site sources of PCE to groundwater.

Groundwater analytical results are included on Tables 4 and 5 with copies of the laboratory analytical reports included in Appendix A.

2.3 Soil Vapor Sampling

On October 24, 2013, AEI installed three additional soil vapor monitoring probes (SV-13 to SV-15) surrounding the recent excavation. The borings were installed to a depth of approximately 6 feet below current grade, which translates to approximately 5 feet below the proposed

building foundation. The probes were installed and constructed using the same techniques as during the recent probe installation (SV-8 to SV-12), as discussed with the ACEH.

Following installation, and the appropriate equilibration time (at least 2 hours), AEI collected a soil vapor sample from each of the existing soil vapor probes (SV-3, SV-4, SV-6 to SV-9, and SV-12 to SV-15). The samples were each collected utilizing a helium shroud, provided by McCampbell, for leak detection and by using the general methods described in AEI's *Soil Vapor Investigation Workplan* dated April 4, 2013. The soil vapor samples were analyzed for TPH-g and VOCs by TO15 at McCampbell Analytical.

Based on the review of the soil vapor analytical data (see Figure 5 and Table 6), the following conclusions can be made:

- Concentrations of TPH-g, benzene, toluene, ethylbenzene, and xylenes were not detected above the commercial environmental screening levels (ESLs) and are orders of magnitude below Low Threat Closure criteria.
- Concentrations of HVOCs were not detected above the ESLs. PCE and trichloroethene (TCE) concentrations were detected at concentrations up to 500 micrograms per cubic meter ($\mu g/m^3$) and 29 $\mu g/m^3$, respectively.
- Concentrations of PCE and TCE in soil vapor probes sampled earlier are consistent with previous results, and less than 25% of the commercial ESL values.

Soil vapor analytical details are included on Table 6 with copies of the laboratory analytical reports included in Appendix A.

3.0 Proposed Well Abandonment Activities

It was discussed during the October 18, 2013 meeting that if the concentrations of contaminants in groundwater were stable and HVOC concentrations in soil vapor were significantly below the applicable ESLs, no further on-site groundwater or soil vapor monitoring would be necessary and all on-site wells could be decommissioned. Based on the findings summarized herein, the results of groundwater and soil vapor testing confirm that no further on-site testing is warranted prior to initiation of site development. It was agreed to retain off-site monitoring wells MW-4 and MW-5, pending completion and review of an updated site conceptual model. Therefore, the following scope of work is presented to abandon the on-site sampling wells and soil vapor probes. Monitoring and Extraction Well Abandonment
A total of ten onsite monitoring and extraction wells are proposed to be abandoned (MW-1 to MW-3, DPE-1, DPE-4, DPE-6, and DPE-8 to DPE-11) to accommodate the proposed redevelopment activities. The wells will be abandoned under permit from the Alameda County Public Works Agency (ACPWA). The wells will be pressure grouted in-place as permitted by the ACPWA.

3.1 Soil Vapor Probe Abandonment

A total of thirteen onsite soil vapor probes (VP-1 to VP-3, SV-3, SV-4, SV-6 to SV-9, and SV-12 to SV-15) will also be abandoned to accommodate the proposed redevelopment activities. The probes will be abandoned under permit from the ACPWA. The soil vapor probes are up to 6.5

feet deep, and will be physically removed and backfilled with neat cement under approval of the ACPWA.

4.0 Schedule of Abandonment

As stated above, grading activities for the redevelopment on Parcel B are anticipated to begin on December 1, 2013. Therefore, AEI plans to complete the abandonment activities during the week of November 18, 2013, pending ACEH approval. We look forward to your response regarding this request.

5.0 Report Limitations

This report has been prepared by AEI Consultants relating to the property located at 1630 Park Street, in the City of Alameda, Alameda County, California. This report includes a summary of site conditions and relies heavily on information obtained from public records and other resources; AEI makes no warrantee that the information summarized in this report includes consideration of all possible resources or information available for the site, whether referenced or not. Material samples have been collected and analyzed, and where appropriate, conclusions drawn and recommendations made based on these analyses and other observations. This report may not reflect subsurface variations that may exist between sampling points. These variations cannot be fully anticipated, nor could they be entirely accounted for, in spite of exhaustive additional testing. This document should not be regarded as a guarantee that no further contamination, beyond that which could have been detected within the scope of past investigations is present beneath the property or that all contamination present at the site will be identified, treated, or removed. Undocumented, unauthorized releases of hazardous material(s) and petroleum products, the remains of which are not readily identifiable by visual inspection and/or are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation and may or may not become apparent at a later time. This document may contain estimates of costs for various activities that could be implemented at the site. Such estimates are based on reasonably expected costs for similar activities; however, AEI provides no guarantee implicit or explicit that costs will not be significantly higher or lower than those estimated. All specified work has been performed in accordance with generally accepted practices in environmental engineering, geology, and hydrogeology and performed under the direction of appropriate California registered professionals.

We welcome comments and questions from ACEH staff. Please contact us at (925) 746-6000.

Sincerely,
AEI Consultants

Jeremy Smith
Sr. Project Manager

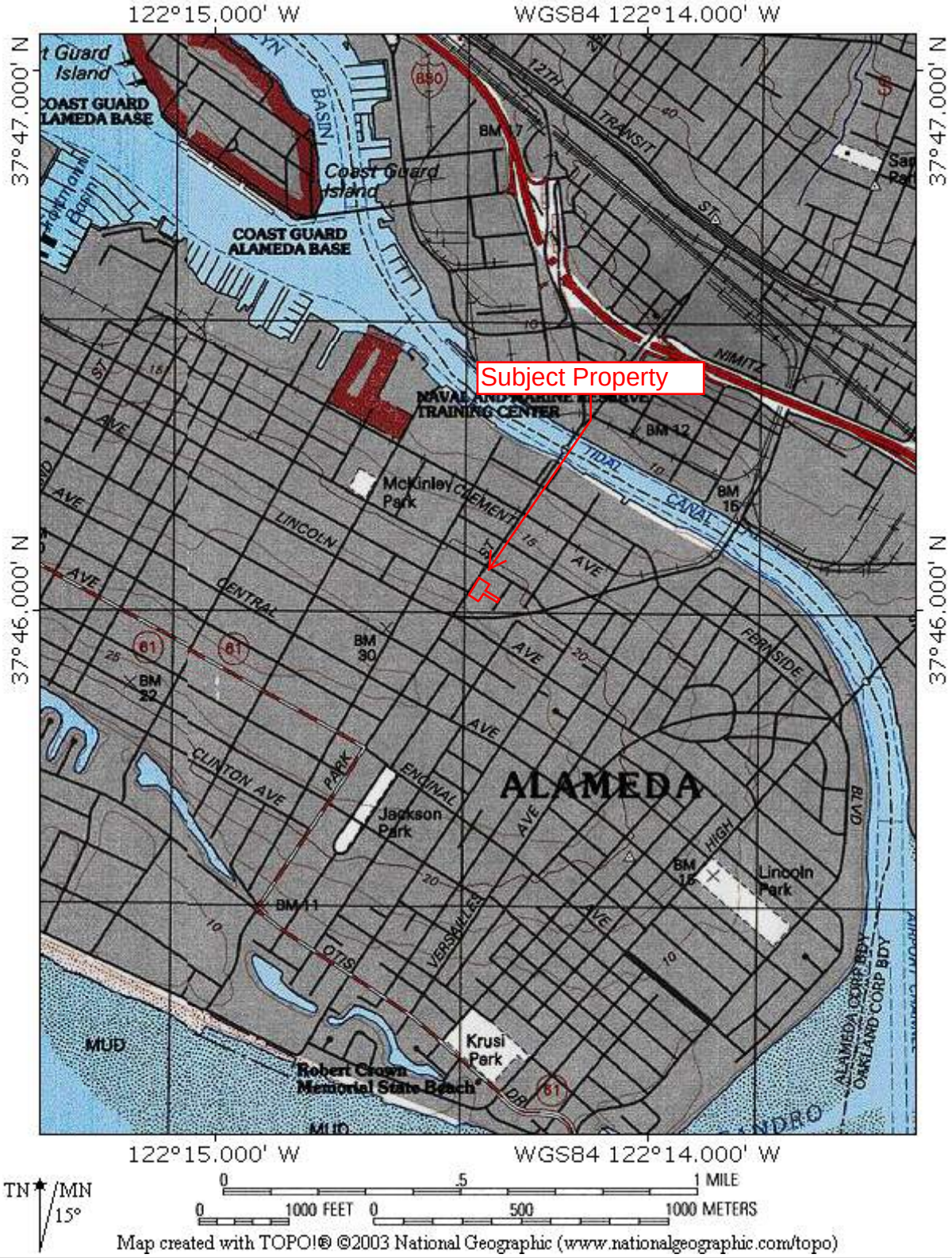
Peter J. McIntyre, PG
Executive Vice President
Principal Geologist

Attachments:

Figure 1	Site Location Map
Figure 2	Site Plan – Parcel B
Figure 3	Excavation Analytical Data – 2013
Figure 4	Select Groundwater Analytical Data
Figure 5	Soil Vapor Analytical Data
Table 1	Well Construction Details
Table 2	Soil Sample Analytical Data – TPH and MBTEX
Table 3	Soil Sample Analytical Data – VOCs
Table 4	Groundwater Analytical Data – TPH, MBTEX and Lead
Table 5	Groundwater Analytical Data – VOCs
Table 6	Soil Vapor Sample Analytical Data
Appendix A	Laboratory Analytical Reports

Distribution:
John Buestad, Foley Street Investments
Karel Detterman, Alameda County Environmental Health Department (FTP Upload)
GeoTracker (Upload)

FIGURES



SITE LOCATION MAP

1600-1650 Park Street Alameda, California 94501

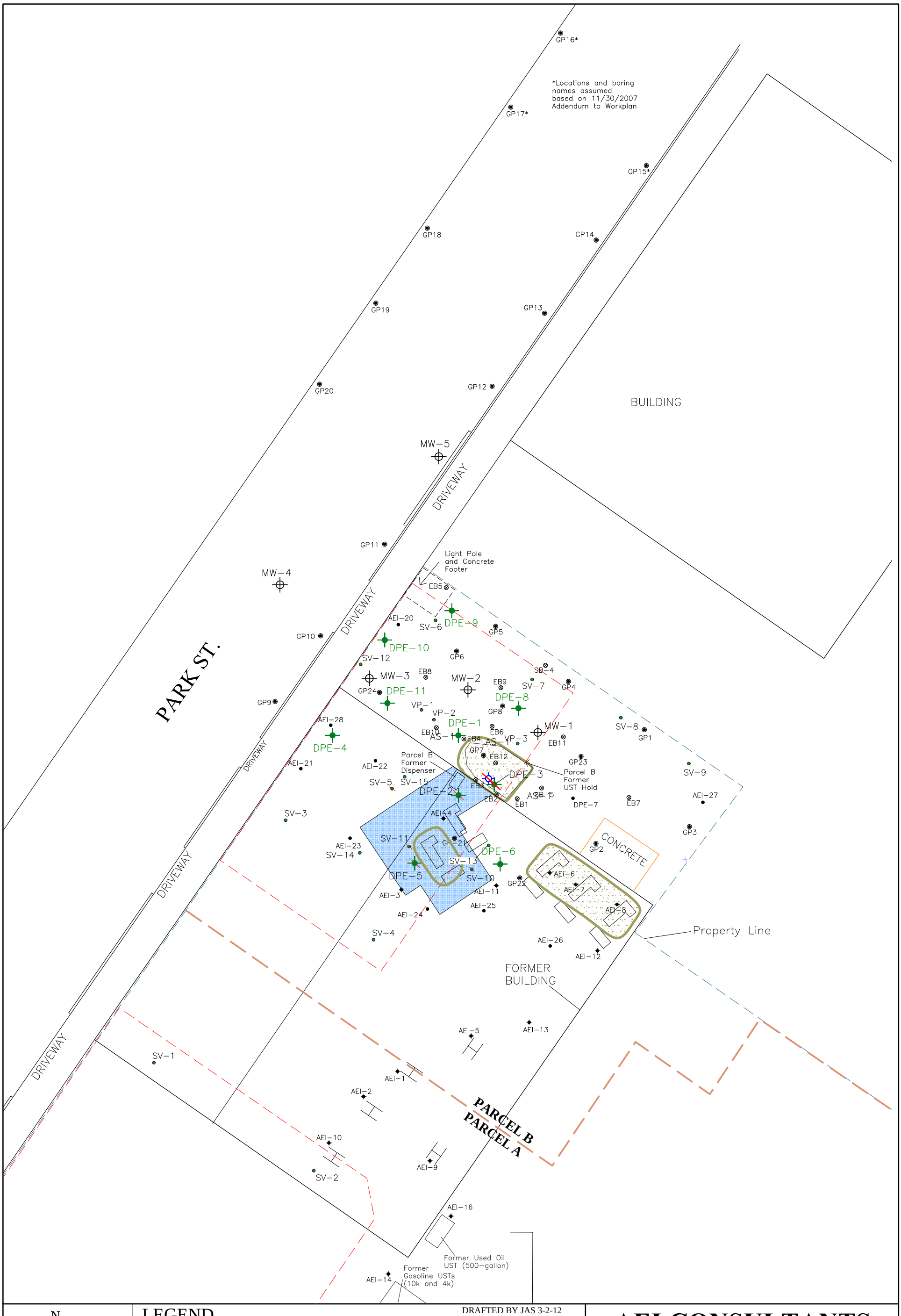
N

FIGURE 1

Source: USGS

Project Number: 298931

AEI Consultants



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Scale: 1" = 30'

LEGEND

- Existing / Destroyed Remediation Well
- AEI Soil Boring (1/12)
- Existing / Destroyed Vapor Probe
- AEI Soil Boring (7/11)
- Soil Boring (2008)
- Soil Boring (Pre-1997)
- Groundwater Monitoring Well
- Parcel Split
- Proposed Building Extents
- Former Hydraulic Lift
- Former Hydraulic Lift w/ Excavation
- Abandoned Well
- Property Line
- 2013 Excavation

DRAFTED BY JAS 3-2-12
REVISED BY JAS 10-16-13

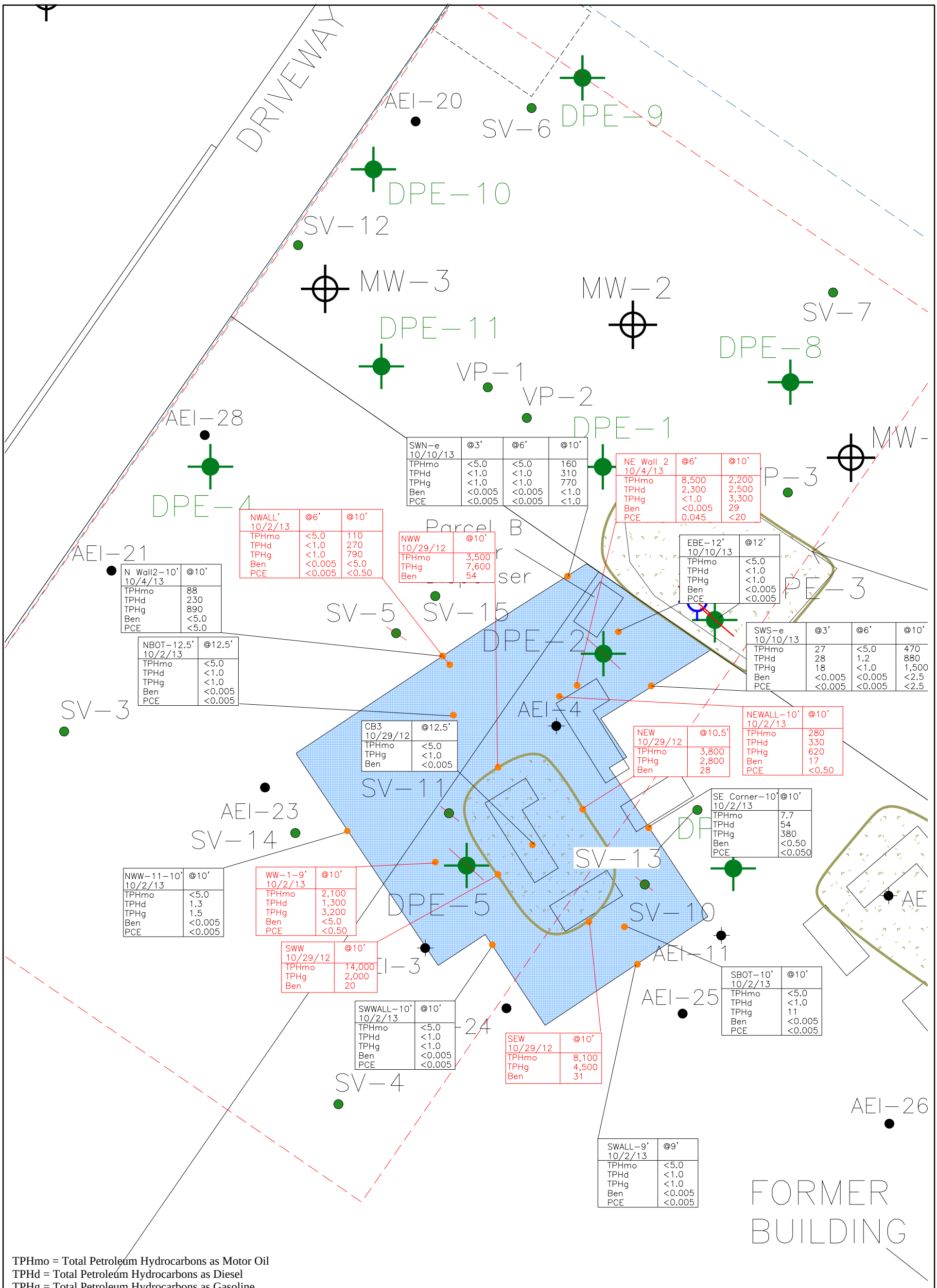
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK

SITE PLAN - PARCEL B

1620-1640 PARK STREET
ALAMEDA, CALIFORNIA

FIGURE 2
PROJECT NO. 298931



SWN–e 10/10/13	@3'	@6'	@10'
TPHmo	<5.0	<5.0	160
TPHd	<1.0	<1.0	310
TPHg	<1.0	<1.0	770
Ben	<0.005	<0.005	<1.0
PCE	<0.005	<0.005	<1.0

NE Wall 2 10/4/13	@6'	@10'
TPHmo	8,500	2,200
TPHd	2,300	2,500
TPHg	<1.0	3,300
Ben	<0.005	29
PCE	0.045	<20

NWALL' 10/2/13	@6'	@10'
TPHmo	<5.0	110
TPHd	<1.0	270
TPHg	<1.0	790
Ben	<0.005	<5.0
PCE	<0.005	<0.50

NWW 10/29/12	@10'
TPHmo	3,500
TPHg	7,600
Ben	54

EBE–12' 10/10/13	@12'
TPHmo	<5.0
TPHd	<1.0
TPHg	<1.0
Ben	<0.005
PCE	<0.005

N Wall2–10' 10/4/13	@10'
TPHmo	88
TPHd	230
TPHg	890
Ben	<5.0
PCE	<5.0

SWS–e 10/10/13	@3'	@6'	@10'
TPHmo	27	<5.0	470
TPHd	28	1.2	880
TPHg	18	<1.0	1,500
Ben	<0.005	<0.005	<2.5
PCE	<0.005	<0.005	<2.5

NBOT–12.5' 10/2/13	@12.5'
TPHmo	<5.0
TPHd	<1.0
TPHg	<1.0
Ben	<0.005
PCE	<0.005

CB3 10/29/12	@12.5'
TPHmo	<5.0
TPHg	<1.0
Ben	<0.005

NEW 10/29/12	@10.5'
TPHmo	3,800
TPHg	2,800
Ben	28

NEWALL–10' 10/2/13	@10'
TPHmo	280
TPHd	330
TPHg	620
Ben	17
PCE	<0.50

SE Corner–10' 10/2/13	@10'
TPHmo	7.7
TPHd	54
TPHg	380
Ben	<0.50
PCE	<0.050

NWW–11–10' 10/2/13	@10'
TPHmo	<5.0
TPHd	1.3
TPHg	1.5
Ben	<0.005
PCE	<0.005

WW–1–9' 10/2/13	@10'
TPHmo	2,100
TPHd	1,300
TPHg	3,200
Ben	<5.0
PCE	<0.50

SWW 10/29/12	@10'
TPHmo	14,000
TPHg	2,000
Ben	20

SWWALL–10' 10/2/13	@10'
TPHmo	<5.0
TPHd	<1.0
TPHg	<1.0
Ben	<0.005
PCE	<0.005

SEW 10/29/12	@10'
TPHmo	8,100
TPHg	4,500
Ben	31

SBOT–10' 10/2/13	@10'
TPHmo	<5.0
TPHd	<1.0
TPHg	11
Ben	<0.005
PCE	<0.005

SWALL–9' 10/2/13	@9'
TPHmo	<5.0
TPHd	<1.0
TPHg	<1.0
Ben	<0.005
PCE	<0.005

TPHmo = Total Petroleum Hydrocarbons as Motor Oil
TPHd = Total Petroleum Hydrocarbons as Diesel
TPHg = Total Petroleum Hydrocarbons as Gasoline
Ben = Benzene
PCE = Tetrachloroethene
All results in milligrams per kilogram (mg/kg)

Sample Excavated and Properly Disposed of.

N
W E
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0 5 10
Scale: 1" = 10'

LEGEND

- Existing/Destroyed Remediation Well
- AEI Soil Boring (1/12)
- Existing/Destroyed Vapor Probe
- AEI Soil Boring (7/11)
- Groundwater Monitoring Well
- Grab Sample
- Proposed Building
- 2012 Excavation
- 2013 Excavation
- Former Hydraulic Lift
- Former Hydraulic Lift

DRAFTED BY JAS 3-2-12
REVISED BY JAS 9-3-13

AEI CONSULTANTS
2500 CAMINO DIABLO, WALNUT CREEK

EXCAVATION ANALYTICAL DATA - 2013

1620-1640 PARK STREET
ALAMEDA, CALIFORNIA

FIGURE 3
PROJECT NO. 298931

MW-5	8/2/13	10/24/13
TPHg	NA	130
B	<0.5	5.2
T	<0.5	<0.5
E	<0.5	0.73
X	<0.5	1.9
PCE	8.3	6.7
TCE	16	16
Naph	<0.5	1.3

DPE-10	8/2/13	10/24/13
TPHg	NA	97
B	8.2	2.2
T	<0.5	<0.5
E	<0.5	<0.5
X	<0.5	<0.5
PCE	<0.5	<0.5
TCE	26	29
Naph	<0.5	<0.5

DPE-9	8/2/13	10/24/13
TPHg	NA	<50
B	3.9	0.58
T	<0.5	<0.5
E	<0.5	<0.5
X	<0.5	<0.5
PCE	<0.5	<0.5
TCE	21	31
Naph	<0.5	<0.5

MW-4	8/8/13	10/24/13
TPHg	NA	<50
B	<0.5	<0.5
T	<0.5	<0.5
E	<0.5	<0.5
X	<0.5	<0.5
PCE	5.4	13
TCE	13	18
Naph	<0.5	<0.5

MW-2	10/24/13
TPHg	480
B	5.0
T	<0.5
E	2.8
X	1.3
PCE	<0.5
TCE	5.5
Naph	24

DPE-8	10/24/13
TPHg	63
B	<0.5
T	<0.5
E	<0.5
X	<0.5
PCE	<0.5
TCE	0.67
Naph	<0.5

MW-3	8/2/13	10/24/13
TPHg	NA	100
B	<2.5	4.2
T	<2.5	<1.2
E	<2.5	<1.2
X	<2.5	<1.2
PCE	<2.5	<1.2
TCE	63	64
Naph	<2.5	24

DPE-11	10/24/13
TPHg	490
B	4.7
T	<0.5
E	2.9
X	0.80
PCE	<0.5
TCE	5.6
Naph	<0.5

MW-1	10/24/13
TPHg	520
B	39
T	<1.0
E	29
X	5.2
PCE	<1.0
TCE	<1.0
Naph	19

DPE-4	8/2/13	10/24/13
TPHg	NA	170
B	12	4.4
T	<0.5	<0.5
E	<0.5	<0.5
X	<0.5	0.53
PCE	<0.5	<0.5
TCE	2.3	1.7
Naph	<0.5	<0.5

DPE-1	8/8/13	10/24/13
TPHg	NA	610
B	18	6.1
T	<5.0	0.78
E	35	3.6
X	39	3.5
PCE	<5.0	<0.5
TCE	<5.0	<0.5
Naph	22	<0.5

DPE-6	8/2/13	10/24/13
TPHg	NA	<50
B	0.53	<0.5
T	<0.5	<0.5
E	<0.5	<0.5
X	<0.5	<0.5
PCE	1.5	1.3
TCE	1.6	2.5
Naph	<0.5	<0.5

BUILDING

MW-5

DRIVEWAY

MW-4

DRIVEWAY

DPE-9

DPE-10

PARK ST.

MW-3

MW-2

DPE-11

DPE-8

DPE-1

MW-1

DPE-4

DRIVEWAY

CONCRETE

DPE-6

DRIVEWAY

Property Line

FORMER BUILDING

PARCEL B

PARCEL A

Former Used Oil UST (500-gallon)

Former Gasoline USTs (10k and 4k)

Parcel A Tank Hold

Parcel A Former Dispensers

TPHg = total petroleum hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
PCE = Tetrachloroethene
TCE = Trichloroethene
Naph = Naphthalene
<1.0 = Less than Laboratory Reporting Limit
NA = Not Analyzed
All results in micrograms per liter (ppb)

N
W E
S

0 15 30

Scale: 1" = 30'

LEGEND

DRAFTED BY JAS 3-9-12
REVISED BY JAS 11-12-13

- Remediation Well (12/11 and 1/12)
- Groundwater Monitoring Well
- Proposed Building Extents
- Parcel Split
- Property Line
- 2013 Excavation

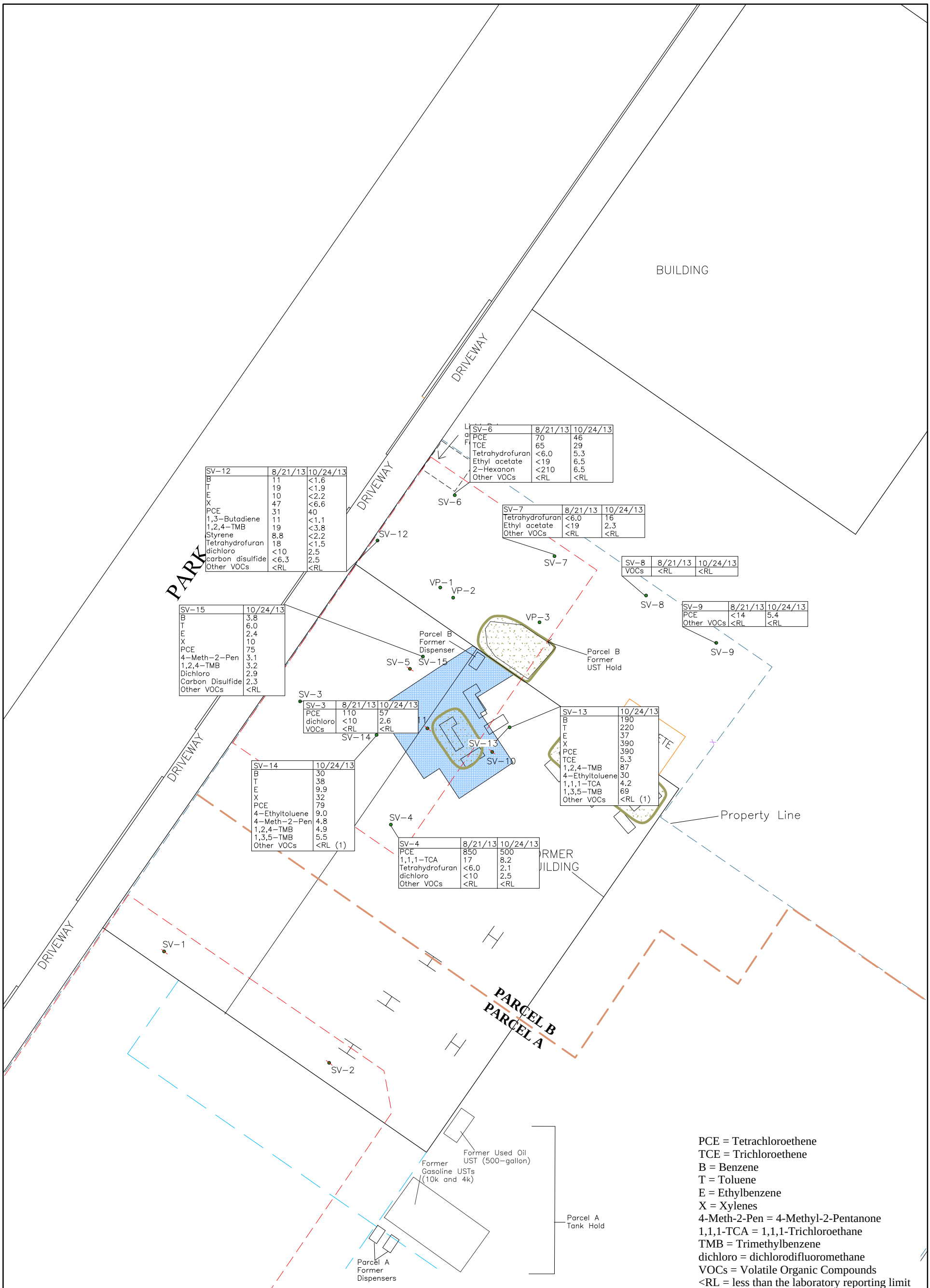
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK

SELECT GROUNDWATER ANALYTICAL DATA

1630 PARK STREET
ALAMEDA, CALIFORNIA

FIGURE 4
PROJECT NO. 298931



SV-6	8/21/13	10/24/13
PCE	70	46
TCE	65	29
Tetrahydrofuran	<6.0	5.3
Ethyl acetate	<19	6.5
2-Hexanon	<210	6.5
Other VOCs	<RL	<RL

SV-12	8/21/13	10/24/13
B	11	<1.6
T	19	<1.9
E	10	<2.2
X	47	<6.6
PCE	31	40
1,3-Butadiene	11	<1.1
1,2,4-TMB	19	<3.8
Styrene	8.8	<2.2
Tetrahydrofuran	18	<1.5
dichloro	<10	2.5
carbon disulfide	<6.3	2.5
Other VOCs	<RL	<RL

SV-7	8/21/13	10/24/13
Tetrahydrofuran	<6.0	16
Ethyl acetate	<19	2.3
Other VOCs	<RL	<RL

SV-8	8/21/13	10/24/13
VOCs	<RL	<RL

SV-9	8/21/13	10/24/13
PCE	<14	5.4
Other VOCs	<RL	<RL

SV-15	10/24/13
B	3.8
T	6.0
E	2.4
X	10
PCE	75
4-Meth-2-Pen	3.1
1,2,4-TMB	3.2
Dichloro	2.9
Carbon Disulfide	2.3
Other VOCs	<RL

SV-3	8/21/13	10/24/13
PCE	110	57
dichloro	<10	2.6
VOCs	<RL	<RL

SV-13	10/24/13
B	190
T	220
E	37
X	390
PCE	390
TCE	5.3
1,2,4-TMB	87
4-Ethyltoluene	30
1,1,1-TCA	4.2
1,3,5-TMB	69
Other VOCs	<RL (1)

SV-14	10/24/13
B	30
T	38
E	9.9
X	32
PCE	79
4-Ethyltoluene	9.0
4-Meth-2-Pen	4.8
1,2,4-TMB	4.9
1,3,5-TMB	5.5
Other VOCs	<RL (1)

SV-4	8/21/13	10/24/13
PCE	850	500
1,1,1-TCA	17	8.2
Tetrahydrofuran	<6.0	2.1
dichloro	<10	2.5
Other VOCs	<RL	<RL

PCE = Tetrachloroethene
TCE = Trichloroethene
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
4-Meth-2-Pen = 4-Methyl-2-Pentanone
1,1,1-TCA = 1,1,1-Trichloroethane
TMB = Trimethylbenzene
dichloro = dichlorodifluoromethane
VOCs = Volatile Organic Compounds
<RL = less than the laboratory reporting limit and RL did not exceed ESLs.
(1) Several VOCs detected at low conentrations (below the ESL) - See lab report.
All results in micrograms per cubic meter

N
W E
S

0 15 30
Scale: 1" = 30'

LEGEND

Vapor Probe
Parcel Split
2012 Excavation Extents
2013 Excavation
Proposed Building Extents
Former Hydraulic Lift
Former Hydraulic Lift

DRAFTED BY JAS 3-2-12
REVISED BY JAS 8-12-13

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK

SOIL VAPOR ANALYTICAL DATA

1630 PARK STREET
ALAMEDA, CALIFORNIA

FIGURE 5
PROJECT NO. 298931

TABLES

Table 1

Well Construction Details

AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Well ID Number	Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
~~AS-1~~	~~11/14/2011~~	~~-~~	~~PVC~~	~~25~~	~~25~~	~~8~~	~~2~~	~~20 - 25~~	~~0.02~~	~~20 - 25~~	~~#3 Sand~~
DPE-1	11/15/2011	25.88	PVC	16	15	10	4	7 - 15	0.01	6.5 - 16	#2/12 Sand
~~DPE-2~~	~~11/15/2011~~	~~26.22~~	~~PVC~~	~~16~~	~~15~~	~~10~~	~~4~~	~~7 - 15~~	~~0.01~~	~~6.5 - 16~~	~~#2/12 Sand~~
~~DPE-3~~	~~11/14/2011~~	~~25.27~~	~~PVC~~	~~16~~	~~14~~	~~10~~	~~4~~	~~7 - 14~~	~~0.01~~	~~6.5 - 16~~	~~#2/12 Sand~~
DPE-4	1/19/2012	26.06	PVC	17	17	10	4	8 - 17	0.01	7.5 - 17	#2/12 Sand
~~DPE-5~~	~~1/20/2012~~	~~26.25~~	~~PVC~~	~~18~~	~~18~~	~~10~~	~~4~~	~~8 - 18~~	~~0.01~~	~~7.5 - 18~~	~~#2/12 Sand~~
DPE-6	1/20/2012	26.13	PVC	18	18	10	4	8 - 18	0.01	7.5 - 18	#2/12 Sand
DPE-8	1/20/2012	25.36	PVC	18	18	10	4	8 - 18	0.01	7.5 - 18	#2/12 Sand
DPE-9	1/20/2012	25.09	PVC	18	18	10	4	8 - 18	0.01	7.5 - 18	#2/12 Sand
DPE-10	1/20/2012	25.14	PVC	17	17	10	4	8 - 17	0.01	7.5 - 17	#2/12 Sand
DPE-11	1/20/2012	25.57	PVC	18	18	10	4	8 - 18	0.01	7.5 - 18	#2/12 Sand
MW-1	1/15/1987	25.37	PVC	-	20	8	2	5 - 20	-	-	-
MW-2	1/15/1987	25.48	PVC	-	20	8	2	5 - 20	-	-	-
MW-3	1/15/1987	25.13	PVC	-	20	8	2	5 - 20	-	-	-
MW-4	4/20/1994	25.58	PVC	-	23	8	2	8 - 23	-	-	-
MW-5	4/20/1994	24.31	PVC	-	22	8	2	7 - 22	-	-	-
VP-1	12/6/2011	-	Nyla/SS	6	6	1.25	1/4	5.1 - 5.6	Mesh	4.7 - 6	#30 Mesh Sand
VP-2	12/6/2011	-	Nyla/SS	5.9	5.9	1.25	1/4	5.1-5.6	Mesh	4.7-5.9	#30 Mesh Sand
VP-3	12/6/2011	-	Nyla/SS	5.75	5.75	1.25	1/4	5.1-5.6	Mesh	4.7-5.75	#30 Mesh Sand
~~SV-1~~	~~4/16/2013~~	~~-~~	~~Nyla/SS~~	~~5.0~~	~~5.0~~	~~2.0~~	~~1/4~~	~~4.6-4.5~~	~~Mesh~~	~~5.0-4.0~~	~~#30 Mesh Sand~~
~~SV-2~~	~~4/17/2013~~	~~-~~	~~Nyla/SS~~	~~5.0~~	~~5.0~~	~~2.0~~	~~1/4~~	~~4.6-4.5~~	~~Mesh~~	~~5.0-4.0~~	~~#30 Mesh Sand~~
SV-3	4/18/2013	-	Nyla/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
SV-4	4/19/2013	-	Nyla/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
~~SV-5~~	~~4/20/2013~~	~~-~~	~~Nyla/SS~~	~~5.0~~	~~5.0~~	~~2.0~~	~~1/4~~	~~4.6-4.5~~	~~Mesh~~	~~5.0-4.0~~	~~#30 Mesh Sand~~

Table 1

Well Construction Details

AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Well ID Number	Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
SV-6	4/21/2013	-	Nyla/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
SV-7	4/22/2013	-	Nyla/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
SV-8	8/5/2013	-	Teflon/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
SV-9	8/5/2013	-	Teflon/SS	5.0	5.0	2.0	1/4	4.6-4.5	Mesh	5.0-4.0	#30 Mesh Sand
~~SV-10~~	~~8/5/2013~~	~~-~~	~~Teflon/SS~~	~~5.0~~	~~5.0~~	~~2.0~~	~~1/4~~	~~4.6-4.5~~	~~Mesh~~	~~5.0-4.0~~	~~#30 Mesh Sand~~
~~SV-11~~	~~8/21/2013~~	~~-~~	~~Teflon/SS~~	~~6.5~~	~~6.5~~	~~2.0~~	~~1/4~~	~~6.0-5.9~~	~~Mesh~~	~~6.5-5.5~~	~~#30 Mesh Sand~~
SV-12	8/21/2013	-	Teflon/SS	6.5	6.5	2.0	1/4	6.0-5.9	Mesh	6.5-5.5	#30 Mesh Sand
SV-13	10/24/2013	-	Teflon/SS	6.1	6.1	1.5	1/4	6.0-5.9	Mesh	6.1-5.1	#30 Mesh Sand
SV-14	10/24/2013	-	Teflon/SS	6.1	6.1	1.5	1/4	6.0-5.9	Mesh	6.1-5.1	#30 Mesh Sand
SV-15	10/24/2013	-	Teflon/SS	6.1	6.1	1.5	1/4	6.0-5.9	Mesh	6.1-5.1	#30 Mesh Sand

PVC = polyvinyl chloride
Nyla/SS = Nylaflow tubing with stainless-steel tip
TOC = top of casing
"-" = not available

~~Well Destroyed~~

Table 2

Soil Sample Analytical Data
TPH and MBTEX
AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	TPH-g (mg/kg)	TPH-d* (mg/kg)	TPH-mo* (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
						EPA Method SW8021B/8015B/m				
MW-1-10	1/15/1987	10	24	-	-	-	2.9	3.6	-	1.8
MW-1-15	1/15/1987	15	<1.0	-	-	-	<0.1	<0.1	-	<0.1
MW-2-5	1/15/1987	5	<1.0	-	-	-	<0.1	<0.1	-	<0.1
MW-2-10	1/15/1987	10	350	-	-	-	14	22	-	23
MW-3-10	1/15/1987	10	200	-	-	-	9.8	16	-	16
MW-3-15	1/15/1987	15	<1.0	-	-	-	<0.1	<0.1	-	<0.1
SB-5-10	1/15/1987	10	6.5	-	-	-	<0.1	0.22	-	<0.1
EB1-S2	10/15/1993	8.5	510	-	-	-	0.89	10	5.8	41
EB1-S3	10/15/1993	11	2,300	-	-	-	22	190	57	280
EB2-2S	10/15/1993	10	15,000	-	-	-	84	710	260	1,400
EB2-S3	10/15/1993	11.5	200	-	-	-	4.3	15	3.9	20
EB3-S2	10/15/1993	10	2,200	-	-	-	9.4	71	42	200
EB3-S3	10/15/1993	12.5	610	-	-	-	1.2	3.2	4.5	2.9
EB4-S2	10/15/1993	8	4,900	-	-	-	32	230	84	440
EB4-S3	10/15/1993	10.5	7,600	-	-	-	60	390	130	630
EB5-S2	10/15/1993	9	1,800	-	-	-	<2.5	22	27	140
EB5-S3	10/15/1993	11.5	14	-	-	-	0.021	1.5	0.49	2.5
EB6-S2	10/15/1993	8.5	6,800	-	-	-	20	230	100	590
EB7-S2	10/15/1993	6.5	<1.0	-	-	-	<0.005	<0.005	<0.005	<0.005
EB7-S3	10/15/1993	8.5	1,000	-	-	-	3.8	45	21	110
MW4-S1	4/20/1994	4.5	<1.0	-	-	-	<0.005	<0.005	<0.005	0.013
MW4-S2	4/20/1994	9	9.7	-	-	-	1.1	0.82	0.42	1.3
MW4-S3	4/20/1994	14	<1.0	-	-	-	<0.005	0.008	<0.005	0.022
MW5-S1	4/20/1994	4.5	<1.0	-	-	-	<0.005	<0.005	<0.005	<0.5
MW5-S2	4/20/1994	9	1,100	-	-	-	12	43	20	93
MW5-S3	4/20/1994	14	1.1	-	-	-	0.033	0.17	0.044	0.22
EB8-S2	1/21/1997	9.5	2,000	-	-	<4	8.4	83	44	210
EB8-S3	1/21/1997	13.5	18	-	-	0.10	3.2	1.2	0.47	1.7
EB9-S1	1/21/1997	6.5	1.8	-	-	<5	0.071	0.052	0.026	0.074
EB9-S2	1/21/1997	9.5	1,300	-	-	<4	7.1	54	29	130
EB10-S1	1/21/1997	8.5	2,300	-	-	9.3	9.1	100	50	190
EB11-S1	1/21/1997	9.5	3,800	-	-	<9	8.8	190	97	510
EB11-S2	1/21/1997	12	13	-	-	<0.1	1.1	1.6	0.47	1.4
EB12-S1	1/21/1997	9.5	300	-	-	<0.6	0.95	0.59	3.5	18
EB12-S2	1/21/1997	12	1,300	-	-	6.2	9.4	23	35	130

Table 2

Soil Sample Analytical Data
TPH and MBTEX
AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	TPH-g (mg/kg)	TPH-d* (mg/kg)	TPH-mo* (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
						EPA Method SW8021B/8015B/m				
GP1-11.5	4/29/2008	11.5	130	-	-	<0.005	<0.10	0.29	<0.10	0.42
GP1-15	4/29/2008	15	<1.0	-	-	<0.005	<0.005	0.0081	0.0065	0.028
GP2-11	4/29/2008	11	120	-	-	<0.010	<0.050	0.87	0.43	1.2
GP2-13.5	4/29/2008	13.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP3-6.75	4/29/2008	6.75	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP3-11.5	4/29/2008	11.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP4-11.5	4/29/2008	11.5	2.7	-	-	<0.005	0.14	0.052	0.072	0.17
GP4-14.5	4/29/2008	14.5	99	-	-	<0.020	0.48	1.4	1.0	4.5
GP5-11.5	4/29/2008	11.5	4.6	-	-	<0.005	0.12	0.078	0.14	0.48
GP5-19	4/29/2008	19	1.5	-	-	<0.005	<0.005	0.022	0.0069	0.032
GP6-11	4/29/2008	11	130	-	-	<0.10	0.11	1.0	1.1	5.4
GP7-8	4/30/2008	8	390	-	-	<0.050	0.84	2.2	4.3	18
GP7-19.5	4/30/2008	19.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP8-8.5	5/1/2008	8.5	1,100	-	-	<0.050	<0.10	3.2	7.3	45
GP8-19.5	5/1/2008	19.5	5.8	-	-	<0.005	0.0091	0.067	0.048	0.21
GP9-7.5	5/1/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP9-11.25	5/1/2008	11.25	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP10-7.5	4/30/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP10-19.5	4/30/2008	19.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP11-6	4/30/2008	6	<1.0	-	-	<0.005	<0.005	0.011	0.0053	0.026
GP11-15.5	4/30/2008	15.5	2,100	-	-	<0.10	5.7	71	38	180
GP11-18	4/30/2008	18	87	-	-	<0.020	0.059	0.93	0.67	4.2
GP12-7.5	4/30/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP12-11	4/30/2008	11	4.7	-	-	<0.005	0.015	0.21	0.067	0.32
GP12-15.5	4/30/2008	15.5	<1.0	-	-	<0.005	<0.005	0.0071	0.0051	0.025
GP13-7.25	4/30/2008	7.25	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP13-11	4/30/2008	11	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP13-14	4/30/2008	14	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP14-7.5	4/30/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP14-11	4/30/2008	11	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP15-7.5	4/30/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP16-7.5	5/1/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP16-10.5	5/1/2008	10.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP17-7.5	5/1/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP17-11.5	5/1/2008	11.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005

Table 2

Soil Sample Analytical Data
TPH and MBTEX
AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	TPH-g (mg/kg)	TPH-d* (mg/kg)	TPH-mo* (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
						EPA Method SW8021B/8015B/m				
GP18-7.5	5/1/2008	7.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP18-10	5/1/2008	10	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP19-7	5/1/2008	7	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP20-8	5/1/2008	8	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP21-7.5	5/2/2008	7.5	2.1	-	-	<0.005	0.006	0.028	0.012	0.065
GP21-15.5	5/2/2008	15.5	<1.0	-	-	<0.005	0.0064	0.022	0.0057	0.027
GP21-19.5	5/2/2008	19.5	<1.0	-	-	<0.005	<0.005	0.0092	<0.005	0.023
GP22-10.5	5/2/2008	10.5	1,100	-	-	<0.20	0.67	13	15	70
GP22-15.5	5/2/2008	15.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
GP23-7.5	5/2/2008	7.5	53	-	-	<0.005	<0.050	0.13	<0.050	0.37
GP23-11.5	5/2/2008	11.5	1.9	-	-	<0.005	0.062	0.041	0.043	0.18
GP23-16	5/2/2008	16	2	-	-	<0.005	<0.005	0.027	0.018	0.099
GP24-8.5	5/2/2008	8.5	3,600	-	-	<1.0	1.2	32	62	410
GP24-19.5	5/2/2008	19.5	<1.0	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
AEI-3-7'	7/25/2011	7	1,200	1,700	4,000	<10	2.6	25	10	48
AEI-3-15'	7/25/2011	15	<1.0	1.6	<5.0	<10	<0.005	<0.005	<0.005	<0.005
AEI-4-7'	7/25/2011	7	5,100	2,100	710	<50	6.2	83.0	54.0	280.0
AEI-4-15'	7/25/2011	15	1.2	1.3	<5.0	<0.05	0.029	0.071	0.031	0.17
AEI-6-7'	7/25/2011	7	470	10,000	24,000	<5.0	<0.50	<0.50	<0.50	<0.50
AEI-6-14'	7/25/2011	14	<1.0	1.4	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50
AEI-7-7'	7/25/2011	7	100	6,300	14,000	-	-	-	-	-
AEI-7-13'	7/25/2011	13	<1.0	3.7	7.4	<5.0	<0.50	<0.50	<0.50	<0.50
AEI-8-7'	7/25/2011	7	<1.0	720	2,900	-	-	-	-	-
AEI-8-14'	7/25/2011	14	<1.0	<1.0	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50
AEI-11-3'	7/26/2011	3	<1.0	2.2	8.5	-	-	-	-	-
AEI-12-3'	7/26/2011	3	<1.0	2.6	<5.0	-	-	-	-	-
AEI-13-3'	7/26/2011	3	<1.0	4.2	<5.0	-	-	-	-	-
AEI-20-7.5'	1/17/2012	7.5	8.4	-	-	<0.05	0.0071	0.084	0.069	0.38
AEI-20-11'	1/17/2012	11	600	-	-	<0.50	0.89	2.9	10	39
AEI-20-15'	1/17/2012	15	3.3	-	-	<0.05	<0.005	0.028	<0.005	0.017
AEI-21-7'	1/17/2012	7	<1.0	-	-	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-21-11'	1/17/2012	11	46	-	-	<0.05	0.020	0.42	0.27	0.60
AEI-21-14'	1/17/2012	14	<1.0	-	-	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-22-9'	1/17/2012	9	3,100	-	-	<0.05	3.2	46	62	400
AEI-22-11'	1/17/2012	11	8.6	-	-	<0.10	0.71	0.77	0.31	1.3
AEI-22-14'	1/17/2012	14	3,300	-	-	<0.05	8.3	84	61	370

Table 2

Soil Sample Analytical Data
TPH and MBTEX
AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	TPH-g (mg/kg)	TPH-d* (mg/kg)	TPH-mo* (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
						EPA Method SW8021B/8015B/m				
AEI-23-6'	1/17/2012	6	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-23-9.5'	1/17/2012	9.5	7.5	100	180	<0.05	<0.005	0.027	<0.005	0.0055
AEI-23-12.5'	1/17/2012	12.5	460	360	270	<5.0	<0.50	1.4	<0.50	0.80
AEI-24-7'	1/17/2012	7	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-24-10.5'	1/17/2012	10.5	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-24-13'	1/17/2012	13	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-25-7.5'	1/17/2012	7.5	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-25-10'	1/17/2012	10	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-25-14'	1/17/2012	14	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-26-7.5'	1/17/2012	7.5	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-26-10.5'	1/17/2012	10.5	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-26-14'	1/17/2012	14	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-27-3'	1/17/2012	3	<1.0	3.2	7.9	<0.05	<0.005	<0.005	<0.005	0.013
AEI-28-7'	1/17/2012	7	<1.0	<1.0	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
AEI-28-11'	1/17/2012	11	12,000	2,100	44	<10	21	210	210	1,000
AEI-28-13'	1/17/2012	13	7.8	2.0	<5.0	<0.05	0.050	0.29	0.31	1.4
DPE-1, 7-7.5'	11/15/2011	7	1,800	330	46	<50	9.7	64	29	150
DPE-2, 8-8.5'	11/15/2011	8	2,200	280	140	<15	7.6	57	34	170
DPE-3, 8-8.5'	11/14/2011	8	2,000	1,000	58	<50	6.7	48	47	240
DPE-5, 11'	1/20/2012	11	2,300	-	-	<10	15	99	33	140
DPE-5, 14'	1/20/2012	14	1.1	-	-	<0.05	<0.005	0.17	<0.005	0.016
DPE-6, 10'	1/20/2012	10	510	-	-	<1.0	<0.10	0.14	0.47	0.96
DPE-6, 14'	1/20/2012	14	<1.0	-	-	<0.05	<0.005	<0.005	<0.005	<0.005
DPE-7, 10'	1/19/2012	10	2,200	-	-	<5.0	<5.0	16	47	240
DPE-7, 14.5'	1/19/2012	14.5	610	-	-	<5.0	<5.0	3.9	9.5	55
October 2012 Excavation Activities										
EB1-15'	10/22/2012	15	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
SW1-10'	10/22/2012	10	110	-	15	<1.0	<0.10	<0.10	<0.10	4.1
WW1-11'	10/22/2012	11	7.1	-	<5.0	<0.05	0.0084	<0.005	0.013	0.17
EW1-11.5'	10/22/2012	11.5	4.0	-	<5.0	<0.05	0.16	0.22	0.21	0.71
NW1-12'	10/22/2012	12	8.6	-	<5.0	<0.05	0.18	0.40	0.35	1.5
SEW2-9'	10/23/2012	9'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
EB2-11.5'	10/23/2012	11.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
EW2-9.5'	10/23/2012	9.5'	<1.0	-	23	<0.05	<0.005	<0.005	<0.005	<0.005
NEW2-9.5'	10/23/2012	9.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
CB2-11.5'	10/23/2012	11.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
CSW2-9.5'	10/23/2012	9.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
WB2-11.5'	10/23/2012	11.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005

Table 2

Soil Sample Analytical Data
TPH and MBTEX
AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	TPH-g (mg/kg)	TPH-d* (mg/kg)	TPH-mo* (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
						EPA Method SW8021B/8015B/m				
SWW2-9.5'	10/23/2012	9.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
WW2-9.5'	10/23/2012	9.5'	1,400	-	3,400	<5.0	<0.50	<0.50	42	180
WW2-6.5'	10/23/2012	6.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
NWW2-9.5'	10/23/2012	9.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
CNW2-9.5'	10/23/2012	9.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
CB3-12.5'	10/29/2012	12.5'	<1.0	-	<5.0	<0.05	<0.005	<0.005	<0.005	<0.005
SEW-10'	10/29/2012	10'	4,500	-	8,100	<25	31	270	100	460
NWW-10'	10/29/2012	10'	7,600	-	3,500	<50	54	410	150	680
NEW-10.5'	10/29/2012	10.5'	2,800	-	3,800	<5.0	28	180	65	290
SWW-10'	10/29/2012	10'	2,000	-	14,000	<5.0	20	110	33	100
October 2013 Excavation Activities										
SE Corner-10'	10/2/2013	10'	380	54	7.7	<0.50	<0.50	1.1	2.1	10
NWW-11-10'	10/2/2013	10'	1.5	1.3	<5.0	<0.005	<0.005	<0.005	<0.005	0.024
WW-1-9'	10/2/2013	9'	3,200	1,300	2,100	<5.0	<5.0	80	55	230
NWALL-6'	10/2/2013	6'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
NWALL-10'	10/2/2013	10'	790	270	110	<5.0	<5.0	22	27	110
NBOT-12.5	10/2/2013	12.5'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SBOT-10	10/2/2013	10'	11	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SWALL-9'	10/2/2013	9'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SWWALL-10'	10/2/2013	10'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
NEWALL-10'	10/2/2013	10'	620	330	280	<5.0	17	94	39	170
N Wall2-10'	10/4/2013	10'	890	230	88	<5.0	<5.0	17	25	110
NE Wall2-10'	10/4/2013	10'	3,300	2,500	2,200	<20	29	350	150	680
NE Wall2-6'	10/4/2013	6'	<1.0	2,300	8,500	<0.005	<0.005	<0.005	<0.005	0.0062
EBE-12'	10/10/2013	12'	<1.0	<1.0	<5.0	<0.005	<0.005	0.0065	<0.005	0.018
SWN-e-3'	10/10/2013	3'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SWN-e-6'	10/10/2013	6'	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SWN-e-10'	10/10/2013	10'	770	310	160	<1.0	<1.0	<1.0	3.6	34
SWS-e-3'	10/10/2013	3'	18	28	27	<0.005	<0.005	<0.005	<0.005	<0.005
SWS-e-6'	10/10/2013	6'	<1.0	1.2	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
SWS-e-10'	10/10/2013	10'	1,500	880	470	<2.5	<2.5	17	16	100

mg/kg = milligrams per kilogram (equivalent to parts per million)
MDL = method detection limit
TPH = total petroleum hydrocarbons
TPH-g = TPH as gasoline
TPH-d = TPH as diesel
TPH-mo = TPH as motor oil
MTBE = methyl butyl tertiary ethyl
"<" = less than
"*" = with silica gel cleanup
"-" = not available
BTEX/MTBE data from October 2013 analyzed using EPA Method 8260B
Soil Sample was over-excavated during source removal activities

Table 3

Soil Sample Analytical Data

VOCs

AEI Project No. 298931, 1620-1640 Park Street, Alameda, California

Sample ID	Date Collected	Approx. Depth (feet)	PCE (mg/kg)	n-Butyl-benzene (mg/kg)	Naphthalene (mg/kg)	1,2,4-Trimethyl benzene (mg/kg)	1,3,5-Trimethyl benzene (mg/kg)	sec-Butyl benzene (mg/kg)	n-Propyl benzene (mg/kg)	Isopropyl-benzene (mg/kg)	4-Isopropyl toluene (mg/kg)	Remaining VOCs (mg/kg)
							EPA Method SW8260B					
AEI-11-3'	7/26/2011	3	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<MDL
AEI-12-3'	7/26/2011	3	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<MDL
AEI-13-3'	7/26/2011	3	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<MDL
AEI-27-3'	1/17/2012	3	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<MDL
October 2013 Excavation Activities												
NWW-11-10'	10/2/2013	10	<0.005	0.020	0.025	0.14	0.036	<0.005	<0.005	<0.005	<0.005	<MDL
SE Corner-10'	10/2/2013	10	<0.05	1.3	1.2	7.8	2.2	<0.5	1.2	<0.5	<0.5	<MDL
WW-1-9'	10/2/2013	9	<0.50	15	19	110	30	<5.0	17	5.7	5.1	<MDL
NWALL-6'	10/2/2013	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
NWALL-10'	10/2/2013	10	<0.50	8.3	6.4	54	16	<5.0	11	<5.0	<5.0	<MDL
NBOT-12.5	10/2/2013	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SBOT-10	10/2/2013	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWALL-9'	10/2/2013	9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWWALL-10'	10/2/2013	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
NEWALL-10'	10/2/2013	10	<0.50	9.3	10	74	22	<5.0	14	<5.0	<5.0	<MDL
N Wall2-10'	10/4/2013	10	<5.0	9.1	12	66	20	<5.0	9.8	<5.0	<5.0	<MDL
NE Wall2-10'	10/4/2013	10	<20	37	59	270	85	<20	45	<20	<20	<MDL
NE Wall2-6'	10/4/2013	6	0.045	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
EBE-12'	10/10/2013	12	<0.005	<0.005	<0.005	0.0096	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWN-e-3'	10/10/2013	3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWN-e-6'	10/10/2013	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWN-e-10'	10/10/2013	10	<1.0	7.2	9.7	38	13	1.1	3.0	<1.0	<1.0	<MDL
SWS-e-3'	10/10/2013	3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWS-e-6'	10/10/2013	6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<MDL
SWS-e-10'	10/10/2013	10	<2.5	17	22	91	28	2.7	11	2.9	4.8	<MDL

mg/kg = milligrams per kilogram (equivalent to parts per million)
MDL = method detection limit
PCE = tetrachloroethene
VOCs = volatile organic compounds
"<" = less than

Soil Sample was over-excavated during source removal activities

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
					by EPA Methods 8020, 8021B, or 8260B						EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-1	1/21/1987		-	-	21,020	1,148	8,627	1,792	6,012	-	-
	1/11/1989		-	-	1,400	74	10	13	5.0	-	-
	7/12/1989		-	-	1,200	470	49	45	33	-	-
	4/9/1991		-	-	850	260	10	15	12	-	-
	7/14/1992		-	-	13,000	2,300	1,200	1,200	1,200	-	-
	10/7/1992		-	-	3,600	1,600	80	120	120	-	-
	1/11/1993		-	-	1,200	410	16	23	19	-	-
	4/23/1993	a	-	-	2,200	720	180	82	150	-	-
	7/8/1993	a	-	-	3,200	1,200	110	97	100	-	-
	10/15/1993	a	-	-	3,700	1,400	43	94	36	-	-
	1/25/1994	a	-	-	1,600	680	16	41	35	-	-
	4/28/1994	a	-	-	6,100	1,900	380	250	340	-	-
	7/27/1994	a	-	-	6,000	1,800	510	220	450	-	-
	10/27/1994	a	-	-	3,000	1,100	79	82	87	-	-
	1/26/1995	a	-	-	1,600	660	100	82	87	-	-
	4/13/1995	a	-	-	3,800	1,200	270	120	260	-	-
	7/21/1995	a	-	-	5,200	1,500	450	190	400	-	-
	10/25/1995	a	-	-	5,900	1,800	450	210	400	-	-
	1/21/1997	a	-	-	3,100	1,100	87	160	180	<7.3	-
	11/12/1998	a	-	-	1,000	280	3	3.3	7.9	<30	-
	1/16/2001	a	-	-	4,700	1,20	18	150	49	<5	-
	6/27/2002	a	-	-	5,900	230	7.7	<5	1,500	<5	-
	11/18/2002	a	-	-	3,100	890	12	310	28	<2.5	-
	2/20/2003	d	-	-	260	100	0.72	<0.5	<0.5	<0.5	-
	6/11/2003	a	-	-	3,100	480	6.7	220	420	<2.5	-
	4/3/2008	a	-	-	2,700	280	21	130	230	<1.0	<0.5
	6/23/2011	a	-	-	610	100	6.2	46	77	<2.5	-
	12/6/2011	a	-	-	900	160	<5.0	68	76	<5.0	-
	1/24/2012	a	-	-	190	25	<1.0	1.4	4.6	<1.0	-
	5/18/2012	f	210	<250	2,600	200	51	93	610	<5.0	-
	7/11/2012	a	700	<250	2,700	190	8.1	100	230	<5.0	-
	11/16/2012	c	140	<250	370	71	<1.7	<1.7	<1.7	<1.7	-
	2/27/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013		<50	<250	<50	3.1	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a,g	230	<250	520	39	<1.0	29	5.2	<1.0	-

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
					by EPA Methods 8020, 8021B, or 8260B						EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-2	1/21/1987		-	-	5,018	386	1,981	285	1,432	-	-
	1/11/1989		-	-	10,000	3,000	410	240	190	-	-
	7/12/1989		-	-	7,600	2,700	540	250	320	-	-
	4/9/1991		-	-	4,900	910	210	130	200	-	-
	7/14/1992		-	-	13,000	4,400	1,500	610	1,100	-	-
	10/7/1992		-	-	11,000	5,200	1,500	500	1,200	-	-
	1/11/1993		-	-	17,000	940	1,100	480	930	-	-
	4/23/1993	a	-	-	52,000	13,000	8,400	1,700	5,300	-	-
	7/8/1993	a	-	-	6,400	2,500	470	280	530	-	-
	10/15/1993	a	-	-	17,000	3,900	870	500	940	-	-
	1/25/1994	a	-	-	16,000	5,400	1,140	640	1,500	-	-
	4/28/1994	a	-	-	15,000	4,00	910	480	1,200	-	-
	7/27/1994	a	-	-	18,000	6,000	760	630	1,600	-	-
	10/27/1994	a	-	-	9,500	2,700	230	320	640	-	-
	1/26/1995	a	-	-	5,900	1,900	290	230	500	-	-
	4/13/1995	a	-	-	10,000	3,300	620	360	930	-	-
	7/21/1995	a	-	-	9,900	3,300	320	390	830	-	-
	10/25/1995	a	-	-	13,000	4,900	400	580	990	-	-
	1/21/1997	a	-	-	7,600	2,600	310	330	660	<20	-
	11/12/1998	a	-	-	31,000	11,000	750	1,500	2,300	<900	-
	1/16/2001	a	-	-	23,000	8,200	260	1,000	820	<30	-
	6/27/2002	a	-	-	39,000	7,000	1,800	690	4,000	<5	-
	11/18/2002	a	-	-	15,000	5,700	76	1,000	150	<12	-
	2/20/2003	a	-	-	26,000	6,300	1,100	1,300	1,900	<5.0	-
	6/11/2003	a	-	-	37,000	7,100	2,300	2,000	3,600	<25	-
	4/3/2008	a	-	-	4,100	760	96	250	130	<2.5	<0.5
	6/23/2011	a	-	-	6,500	2,100	210.0	560	310	<50	-
	12/6/2011	a	-	-	4,800	1,600	<50	260	<50	<50	-
	1/24/2012	a	-	-	2,500	100	22.0	<5.0	410	<5.0	-
	5/18/2012	f	68	<250	140	14	2.8	2.9	12	<0.5	-
	7/11/2012	a	270	<250	930	170	<5.0	24	9.3	<5.0	-
	11/16/2012	c	200	<250	340	15	1.4	5.4	2.1	<0.5	-
	2/27/2013	a	<50	<250	53	1.8	<0.5	<0.5	1.4	<0.5	-
	5/1/2013	a,c	190	<250	280	2.2	<0.5	5.6	5.6	<0.5	-
	10/24/2013	a,g	380	<250	480	5.0	<0.5	2.8	1.3	<0.5	-

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
			by EPA Methods 8020, 8021B, or 8260B								EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-3	1/21/1987		-	-	10,287	1,428	3,281	610	2,761	-	-
	1/11/1989		-	-	5,300	1,800	340	150	160	-	-
	7/12/1989		-	-	7,800	3,100	900	300	480	-	-
	4/9/1991		-	-	9,400	1,400	730	200	510	-	-
	7/14/1992		-	-	17,000	3,500	390	390	260	-	-
	10/7/1992		-	-	9,200	4,300	470	390	610	-	-
	1/11/1993		-	-	2,000	740	29	58	28	-	-
	4/23/1993	a	-	-	6,500	2,600	280	260	190	-	-
	7/8/1993	a	-	-	5,200	2,100	260	250	180	-	-
	10/15/1993	a	-	-	11,000	3,500	580	430	370	-	-
	1/25/1994	a	-	-	6,200	2,500	270	160	28	-	-
	4/28/1994	a	-	-	5,300	1,700	190	210	180	-	-
	7/27/1994	a	-	-	5,900	2,000	360	260	330	-	-
	10/27/1994	a	-	-	8,000	2,200	580	260	170	-	-
	1/26/1995	a	-	-	3,700	1,200	150	150	190	-	-
	4/13/1995	a	-	-	4,000	1,400	200	180	210	-	-
	7/21/1995	a	-	-	5,700	2,000	280	270	280	-	-
	10/25/1995	a	-	-	11,000	3,500	1,100	460	680	-	-
	1/21/1997	a	-	-	2,200	860	63	71	80	<5.0	-
	11/12/1998	d	-	-	180	44	0.51	<0.5	0.92	<20	-
	1/16/2001	a	-	-	64	11	0.77	<0.5	<0.5	<5.0	-
	6/27/2002		-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	11/18/2002	a	-	-	110	21	1	<0.5	<0.5	<0.5	-
	2/20/2003		-	-	<50	2.5	<0.5	<0.5	<0.5	<0.5	-
	6/11/2003		-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	4/3/2008	a	-	-	7,600	2,400	58	250	170	<5.0	<0.5
	6/23/2011	a	-	-	1,300	560	21	86	150	<12	-
	12/6/2011	a	-	-	1,800	620	28	22	46	<17	-
	1/24/2012	a	-	-	3,700	1,200	68	34	130	<25	-
	5/18/2012	f	<50	<250	75	5.3	<0.5	<0.5	1.6	<0.5	-
	7/11/2012	a	<50	<250	78	1.4	0.66	<0.5	5.5	<0.5	-
	11/16/2012		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013	g	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	8/2/2013		-	-	-	<2.5	<2.5	<2.5	<2.5	<2.5	-
	10/24/2013	a,g	100	<250	100	4.2	<1.2	<1.2	<1.2	<1.2	-

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
			by EPA Methods 8020, 8021B, or 8260B								EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-4	4/28/1994	b,c	-	-	190	3.8	2.9	2.1	3.1	-	-
	7/27/1994	a	-	-	180	15	9.2	7.6	28	-	-
	10/27/1994	a	-	-	130	8.6	6.6	4.5	17	-	-
	1/26/1995		-	-	110	6.5	1.2	1.8	11	-	-
	4/13/1995		-	-	82	3.9	<0.5	<0.5	2.5	-	-
	7/21/1995		-	-	130	8.8	1.3	4.5	7.6	-	-
	10/25/1995		-	-	95	6.6	1.7	4.3	7	-	-
	4/3/2008		-	-	130	1.6	<0.5	0.89	0.85	<0.5	<0.5
	6/23/2011	a	-	-	53	2.7	<0.5	1.0	1.7	<0.5	-
	5/23/2012	f	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	7/11/2012	g	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	11/16/2012	c	360	<250	440	3.4	<0.5	1.2	2.1	<0.5	-
	2/27/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013		<50	<250	<50	1.8	<0.5	<0.5	<0.5	<0.5	-
	8/8/2013	g	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	g	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-5	4/28/1994	a	-	-	30,000	4,000	3,000	810	3,500	-	-
	7/27/1994	a	-	-	9,300	2,000	800	290	940	-	-
	10/27/1994	a	-	-	15,000	2,700	1,300	420	1,100	-	-
	1/26/1995	a	-	-	7,900	2,100	680	240	860	-	-
	4/13/1995	a	-	-	7,900	2,400	580	340	630	-	-
	7/21/1995	a	-	-	11,000	3,400	760	610	1,200	-	-
	10/25/1995	a	-	-	13,000	2,900	830	570	1,100	-	-
	1/21/1997	a	-	-	2,600	750	65	1,860	280	<5.0	-
	11/12/1998		-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
	1/16/2001		-	-	<50	11	<0.5	<0.5	0.82	<5.0	-
	6/27/2002		-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	11/18/2002	a	-	-	130	17	3.8	2.1	16	<0.5	-
	2/20/2003		-	-	<50	5.6	0.51	<0.5	0.68	<0.5	-
	6/11/2003	a	-	-	170	48	<0.5	<0.5	1.4	<0.5	-
	4/3/2008	a	-	-	31,000	490	3,400	1,600	5,300	<10	<0.5
	6/23/2011	a	-	-	82	5.1	<0.5	12.0	8.4	<0.5	-
	5/18/2012	f	<50	<250	120	<0.5	<0.5	<0.5	<0.5	<0.5	-
	7/11/2012	g	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	11/16/2012	c	450	<250	580	27	1.7	6.7	7.1	<0.5	-
	2/27/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013	a	<50	<250	64	3.4	<0.5	<0.5	<0.5	<0.5	-
	8/8/2013	g	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a,g	<50	<250	130	5.2	<0.5	0.73	1.9	<0.5	-

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
			by EPA Methods 8020, 8021B, or 8260B								EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
DPE-1	12/6/2011	a	-	-	9,200	1,800	570	460	1,100	<50	-
	1/24/2012	a	-	-	3,200	170	58	<5.0	620	<5.0	-
	5/18/2012	f	280	<250	540	49	<1.0	<1.0	17	<1.0	-
	7/11/2012	a	860	<250	2,300	240	15	98	88	<5.0	-
	11/16/2012	c	360	<250	580	3.3	<0.5	2.2	2.8	<0.5	-
	2/27/2013	a,c	110	<250	270	1.4	<0.5	0.53	5.3	<0.5	-
	5/1/2013	a,c	74	<250	330	0.90	<0.5	1.9	10	<0.5	-
	8/8/2013	g	-	-	-	18	<5.0	35	39	<5.0	-
	10/24/2013	a,g	530	<250	610	6.1	0.78	3.6	3.5	<0.5	-
DPE-2	12/6/2011	a	-	-	22,000	2,100	3,300	650	3,300	<100	-
	1/24/2012	a	-	-	1,100	44	26	11	150	<2.5	-
	5/18/2012	f	<50	<250	220	33	3.2	<0.5	30	<0.5	-
	7/11/2012	a	400	<250	2,600	300	12	45	390	<10	-
	11/16/2012		<50	<250	<50	3.4	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013	h	99	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013	a,c	57	<250	180	37	1.3	3.1	3.2	<0.5	-
	8/8/2013	g	-	-	-	360	<5.0	30	11	<5.0	-
		Well Decommissioned Prior to Excavation - October 2013									
DPE-3	12/6/2011	a	-	-	6,400	550	560	180	1,000	<17	-
	1/24/2012	a	-	-	5,500	290	240	44	1,000	<5.0	-
	5/18/2012	f	260	<250	1,100	78	37	11	89	<1.7	-
	7/11/2012	a	720	<250	2,400	330	19	10	130	<10	-
		Well Decommissioned Prior to Excavation - 2012									
DPE-4	1/24/2012	a	-	-	730	66	6.0	7.1	83	2.5	-
	5/18/2012	f	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	7/11/2012		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	11/16/2012		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013		<50	<250	<50	0.63	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013	a,h	53	<250	210	19	<0.5	<0.5	<0.5	<0.5	
	8/2/2013		-	-	-	12	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a	76	<250	170	4.4	<0.5	<0.5	0.53	<0.5	-
DPE-5	11/16/2012	h	560	1,400	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013	a,c,h	1,200	2,600	3,900	440	370	120	570	<10	-
	5/1/2013	Well not sampled due to the presence of free product (Thickness of 0.17')									
		Well Decommissioned Prior to Excavation - October 2013									
DPE-6	1/24/2012	a	-	-	64*	<0.5	<0.5	<0.5	3.2	<0.5	-
	5/18/2012	f	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	7/11/2012	g	<50	<250	<50	0.93	<0.5	<0.5	<0.5	<0.5	-
	11/16/2012		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013	h	160	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013	i	1,200	1,100	<50	0.58	<0.5	<0.5	<0.5	<0.5	-
	8/2/2013		-	-	-	0.53	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-

Table 4

Groundwater Analytical Data (TPHs, BTEX, MTBE & Lead) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Notes	TPH-d	TPH-mo	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead
					by EPA Methods 8020, 8021B, or 8260B						EPA 200.8
			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
DPE-8	11/16/2012	c	460	<250	630	13	<0.5	1.1	19	<0.5	-
	2/27/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013	a,c	92	<250	140	8.0	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a	<50	<250	63	<0.5	<0.5	<0.5	<0.5	<0.5	-
DPE-9	1/24/2012	a	<50	<250	4,400	160	390	93	1,100	<5.0	-
	7/11/2012	a	680	<250	1,300	47	3.1	4.0	100	<1.7	-
	11/16/2012	c	470	<250	530	4.7	<0.5	0.78	2.3	<0.5	-
	2/27/2013	b	2,200	<250	3,300	5.5	<0.5	5.7	<0.5	16	-
	5/1/2013	a,c	1,300	<250	1,700	5.4	<0.5	5.6	11	<0.5	-
	8/2/2013		-	-	-	3.9	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	g	<50	<250	<50	0.58	<0.5	<0.5	<0.5	<0.5	-
DPE-10	5/18/2012	f	420	<250	1,700	150	<5.0	<5.0	<5.0	160	-
	7/11/2012	a	160	<250	360	40	<1.0	<1.0	<1.0	<1.0	-
	11/16/2012		<50	<250	79	4.9	<0.5	<0.5	<0.5	<0.5	-
	2/27/2013	a	660	<250	820	5.3	<0.5	6.0	<0.5	4.4	-
	5/1/2013	a,c	2,600	<250	3,700	56	<1.7	95	82	<1.7	-
	8/2/2013		-	-	-	8.2	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a,g	57	<250	97	2.2	<0.5	<0.5	<0.5	<0.5	-
DPE-11	5/18/2012	f	260	<250	930	6.4	4.6	4.6	160	<1.2	-
	7/11/2012	a	1,600	<250	2,400	16	<1.0	14	57	<1.0	-
	11/16/2012	c	540	<250	860	5.3	<0.5	0.81	1.2	<0.5	-
	2/27/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	5/1/2013		<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
	10/24/2013	a,g	340	<250	490	4.7	<0.5	2.9	0.80	<0.5	-
ESL			100	100	100	1.0	40	30	20	5.0	2.5

TPH-g= total petroleum hydrocarbons as gasoline
TPH-d= total petroleum hydrocarbons as diesel
TPH-mo= total petroleum hydrocarbons as motor oil
BTEX= Benzene, Toluene, Ethylbenzene, Xylenes
MTBE = Methyl tertiary butyl ether
"-" = Not analyzed or data not available
µg/L = micrograms per liter (ppb)
ESL = Environmental Screening Levels, Table F-1a, Groundwater, Potential Drinking Water, San Francisco Regional Water Quality Control Board, Revised May 2013

a = Laboratory note indicates the unmodified or weakly modified gasoline is significant.
b = Laboratory note indicates heavier gasoline range compounds are significant (aged gas?).
c = Laboratory note indicates gasoline range compounds are significant with no recognizable pattern.
d = Laboratory note indicates that lighter gasoline range coounds (the most mobile fraction) are significant.
e = Laboratory note indicates that one to a few isloated non-targed peaks are present.
f = Laboratory note indicates that low surrogate due to matrix interference.
g = Surrogate recovery exceeds the control limits due to dilution / matrix interference / coelution / presence of surrogate compound in the sample
h = Laboratory note indicates that diesel & oil range compounds are significant
i = Laboratory note indicates that aged diesel is significant
* Total petroleum hydrocarbons as diesel = <50; Total petroleum hydrocarbons as motor oil = <250

Table 5

Groundwater Analytical Data (VOCs) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample I.D.	Date	Notes	TAME	t-Butyl alcohol (TBA)	EDB	1,2-DCA	DIPE	Ethanol	ETBE	2-Butanone	n-Butyl benzene	sec-Butyl benzene	Isopropylbenzene	cis-1,2-Dichloroethene	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	Naphthalene	n-Propyl benzene	Methanol	PCE	TCE	Chloroform	Other VOCs
			by EPA Methods 8020, 8021B, or 8260B (µg/L)																				
MW-1	1/16/2001	a	<5.0	<25	<5.0	<5.0	<5.0	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/27/2002	a	<5.0	<50	<5.0	<5.0	<5.0	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2002	a	-	-	<2.5	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/20/2003	d	-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/11/2003	a	-	-	<2.5	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/3/2008	a	<1.0	<4.0	<1.0	<1.0	<1.0	<100	<1.0	-	-	-	-	-	-	-	-	-	<1,000	-	-	-	-
	6/23/2011	a	<2.5	<10	-	-	<2.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/6/2011	a	<5.0	<20	-	-	<5.0	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/24/2013		<1.0	<4.0	<1.0	<1.0	<1.0	-	<1.0	<4.0	<1.0	1.3	3.6	<1.0	6.4	29	**19**	3.3	-	<1.0	<1.0	<1.0	<RL
MW-2	1/16/2001	a	<30	<150	<30	<30	<30	-	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/27/2002	a	<5.0	<5.0	<5.0	6.1	<5.0	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2002	a	-	-	<12	<12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/20/2003	a	-	-	<5.0	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/11/2003	a	-	-	<25	<25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/3/2008	a	<2.5	<10	<2.5	<2.5	<2.5	<250	<2.5	-	-	-	-	-	-	-	-	-	<2,500	-	-	-	-
	6/23/2011	a	<50	<200	-	-	<50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/6/2011	a	<50	<200	-	-	<50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/24/2013		<0.5	13	<0.5	<0.5	<0.5	-	<0.5	<2.0	1.7	2.4	1.1	<0.5	1.9	4.6	**24**	0.75	-	<0.5	**5.5**	<0.5	<RL[h]
MW-3	1/16/2001	a	<1.0	<5.0	<1.0	1.4	<1.0	-	<1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/27/2002		<0.5	<5.0	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2002	a	-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/20/2003		-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/11/2003		-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/3/2008	a	<5.0	<20	<5.0	<5.0	<5.0	<500	<5.0	-	-	-	-	-	-	-	-	-	<5,000	-	-	-	-
	6/23/2011	a	<12	<50	-	-	<12	-	<12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/6/2011	a	<17	<67	-	-	<17	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2/2013	g	<2.5	**22**	<2.5	<2.5	<2.5	-	<2.5	<10	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	-	<2.5	**63**	<2.5	<RL
	10/24/2013		<1.2	5.9	<1.2	<1.2	<1.2	-	<1.2	<5.0	<1.2	<1.2	<1.2	1.3	<1.2	1.4	**24**	<1.2	-	<1.2	**64**	<1.2	<RL

Table 5

Groundwater Analytical Data (VOCs) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample I.D.	Date	Notes	TAME	t-Butyl alcohol (TBA)	EDB	1,2-DCA	DIPE	Ethanol	ETBE	2-Butanone	n-Butyl benzene	sec-Butyl benzene	Isopropylbenzene	cis-1,2-Dichloroethene	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	Naphthalene	n-Propyl benzene	Methanol	PCE	TCE	Chloroform	Other VOCs
			by EPA Methods 8020, 8021B, or 8260B (µg/L)																				
MW-4	4/3/2008		<0.5	<2.0	<0.5	<0.5	<0.5	<50	<0.5	-	-	-	-	-	-	-	-	-	<500	-	-	-	-
	6/23/2011	a	<0.5	<2.0	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2013	g	<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	**5.4**	**13**	<0.5	<RL
	10/24/2013		<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	**13**	**18**	9.8	<RL
MW-5	1/16/2001		<1.0	<5.0	<1.0	<1.0	<1.0	-	<1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/27/2002		<0.5	<5.0	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/2002	a	-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/20/2003		-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/11/2003	a	-	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/3/2008	a	<10	<40	<10	<10	<10	<1,000	<10	-	-	-	-	-	-	-	-	-	<10,000	-	-	-	-
	6/23/2011	a	<0.5	<2.0	-	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2013	g	<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	**8.3**	**16**	7.4	<RL
	10/24/2013		<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	0.59	<0.5	8.0	1.3	<0.5	-	**6.7**	**16**	<0.5	<RL
DPE-1	12/6/2011	a	<50	<200	-	-	<50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2013	g	<5.0	<20	<5.0	<5.0	<5.0	-	<5.0	<20	<5.0	<5.0	12	<5.0	<5.0	140	**22**	20	-	<5.0	<5.0	<5.0	<RL
	10/24/2013		<0.5	9.5	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	1.9	3.5	<0.5	<0.5	14	<0.5	4.2	-	<0.5	<0.5	<0.5	<RL[i]
DPE-2	12/6/2011	a	<100	<400	-	-	<100	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/2013	g	<5.0	**41**	<5.0	<5.0	<5.0	<5.0	-	<20	<5.0	<5.0	8.9	<5.0	<5.0	87	**8.7**	6.6	-	**11**	<5.0	<5.0	<RL
		Well Decommissioned Prior to Excavation - October 2013																					
DPE-3	12/6/2011	a	<17	<67	-	-	<17	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Well Decommissioned Prior to Excavation - 2012																					
DPE-4	8/2/2013	g	<0.5	**13**	<0.5	**2.6**	<0.5	-	<0.5	2.7	0.59	3.7	0.55	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	2.3	<0.5	<RL
	10/24/2013		<0.5	**16**	<0.5	**4.1**	<0.5	-	<0.5	<2.0	<0.5	2.1	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	1.7	<0.5	<RL[i]
DPE-5	5/1/2013	Well not sampled due to the presence of free product (Thickness of 0.17')																					
	8/2/2013	Well not sampled due to the presence of free product (Thickness of 0.09')																					
		Well Decommissioned Prior to Excavation - October 2013																					
DPE-6	8/2/2013	g	<0.5	2.3	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	1.5	1.6	<0.5	<RL
	10/24/2013		<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	0.73	<0.5	<0.5	<0.5	<0.5	-	1.3	2.5	<0.5	<RL[k]

Table 5

Groundwater Analytical Data (VOCs) - Monitoring Wells

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample I.D.	Date	Notes	TAME	t-Butyl alcohol (TBA)	EDB	1,2-DCA	DIPE	Ethanol	ETBE	2-Butanone	n-Butyl benzene	sec-Butyl benzene	Isopropylbenzene	cis-1,2-Dichloroethene	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	Naphthalene	n-Propyl benzene	Methanol	PCE	TCE	Chloroform	Other VOCs
			by EPA Methods 8020, 8021B, or 8260B (µg/L)																				
DPE-8	10/24/2013		<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	0.9	<0.5	<0.5	3.4	<0.5	<0.5	<0.5	-	<0.5	0.67	<0.5	<RL
DPE-9	8/2/2013	g	<0.5	2.6	<0.5	<0.5	<0.5	-	<0.5	<2.0	0.62	1.2	<0.5	4.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	**21**	<0.5	<RL
	10/24/2013		<0.5	<2.0	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	**7.0**	<0.5	<0.5	<0.5	<0.5	-	<0.5	**31**	<0.5	<RL
DPE-10	8/2/2013	g	<0.5	4.6	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	0.86	<0.5	1.5	1.0	<0.5	<0.5	<0.5	-	<0.5	**26**	<0.5	<RL
	10/24/2013		<0.5	2.3	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	<0.5	<0.5	2.5	0.63	<0.5	<0.5	<0.5	-	<0.5	**29**	<0.5	<RL
DPE-11	10/24/2013		<0.5	10	<0.5	<0.5	<0.5	-	<0.5	<2.0	<0.5	5.1	3.6	0.73	<0.5	1.5	<0.5	1.9	-	<0.5	**5.6**	<0.5	<RL[l]
ESL			NE	12	0.05	0.5	NE	NE	NE	NE	NE	NE	NE	6.0	NE	NE	6.2	NE	NE	5.0	5.0	70	

VOCs= Volatile Organic Compounds
PCE= Tetrachloroethene
TCE= Trichloroethene
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
EDB = 1,2-Dibromoethane
1,2-DCA = 1,2-Dichloroethane
DIPE = Diisopropyl ether
ETBE = Ethyl tertiary butyl ether

µg/L = micrograms per liter (ppb)
<RL = Below the analytical laboratroy reporting limit
"-" = Not analyzed or data not available
12 = Values in bold exceed the ESL
NE = No ESL value established

a = Laboratory note indicates the unmodified or weakly modified gasoline is significant.
d = Laboratory note indicates that lighter gasoline range compounds (the most mobile fraction) are significant.
g = Surrogate recovery exceeds the control limits due to dilution / matrix interference / coelution / presence of surrogate compound in the sample
h = 4-Isopropyl toluene detected at 0.89 ug/L and 1,3,5-Trimethylbenzene detected at 1.7 ug/L.
i = 4-Isopropyl toluene detected at 1.4 ug/L.
j = 4-Isopropyl toluene detected at 0.60 ug/L.
k = 1,1-Dichloroethane detected at 0.77 ug/L.
l = 4-Isopropyl toluene detected at 1.5 ug/L.

ESL = Environmental Screening Levels, Table F-1a, Groundwater, Potential Drinking Water, San Francisco Regional Water Quality Control Board, Revised May 2013

Table 6

Soil Vapor Analytical Data

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Isopropyl Alcohol* ($\mu g/m^3$)	Helium* (<5% acceptable) (%)	TPH-g & TVH ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	Ethyl-benzene ($\mu g/m^3$)	Xylenes ($\mu g/m^3$)	TBA ($\mu g/m^3$)	MTBE ($\mu g/m^3$)	TAME ($\mu g/m^3$)	DIPE ($\mu g/m^3$)	ETBE ($\mu g/m^3$)	PCE ($\mu g/m^3$)	TCE ($\mu g/m^3$)	Naphthalene (TO-17) ($\mu g/m^3$)	4-Ethyltoluene ($\mu g/m^3$)	4-Methyl-2-Pentanone ($\mu g/m^3$)	1,1,1-Trichloroethane ($\mu g/m^3$)	1,2,4-Trimethylbenzene ($\mu g/m^3$)	Tetrahydrofuran ($\mu g/m^3$)	1,3,5-Trimethylbenzene ($\mu g/m^3$)	Other VOCs ($\mu g/m^3$)	CO2 ($\mu L/L$)	Methane ($\mu L/L$)	Nitrogen ($\mu L/L$)	Oxygen ($\mu L/L$)
VP-1	5/17/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	<62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/12/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	<62	<7.3	<8.5	<8.5	<8.5	-	-	<11	-	-	-	-	-	-	-	17,000	<1.0	-	270,000
	11/16/2012	<50	na	<2,700	<9.7	<11	<13	<40	<93	<11	<13	<13	<13	63	<16	<16	<15	<12	<16	<15	<9.0	<15	500[a]	25,000	<1.5	750,000	180,000
	2/27/2013	<50	na	<1,800	<6.5	<7.7	<8.8	<27	<62	<7.3	<8.5	<8.5	<8.5	30	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	15,000	<1.0	710,000	180,000
VP-2	5/17/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	<62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/12/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	230	<7.3	<8.5	<8.5	<8.5	-	-	<11	-	-	-	-	-	-	-	13,000	<1.0	-	280,000
	11/16/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	95	<7.3	<8.5	<8.5	<8.5	72	<11	<11	<10	<8.3	<11	<10	<6.0	<10	230[a], 110[b]	23,000	<1.0	610,000	180,000
	2/27/2013	<50	na	<2,700	<9.7	<11	<13	<40	<93	<11	<13	<13	<13	28	<11	<16	<10	<8.3	<11	<10	<6.0	<10	<RL	13,000	<1.5	710,000	190,000
VP-3	5/17/2012	<50	na	<1,800	<6.5	<7.7	<8.8	<27	<62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/12/2012	290	na	<1,800	<6.5	<7.7	<8.8	<27	<62	<7.3	<8.5	<8.5	<8.5	-	-	<11	-	-	-	-	-	-	-	24,000	1.1	-	280,000
	11/16/2012	<50	na	<1,900	<6.9	<8.2	<9.3	<29	<66	<7.7	<9.0	<9.0	<9.0	ND<15	<12	<12	<11	<8.8	<12	<11	<6.4	<11	260[a]	8,500	1.5	630,000	210,000
	2/27/2013	<50	na	<2,700	<9.7	<11	<13	<40	<93	<11	<13	<13	<13	ND<14	<11	<16	<10	<8.3	<11	<10	<6.0	<10	<RL	3,700	1.1	710,000	190,000
SV-1	4/16/2013	na	0.017	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	3,400	<2.0	-	170,000
SV-2	4/16/2013	na	0.018	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	4,600	1.8	-	170,000
SV-3	4/16/2013	na	<0.005	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	160	<2.0	-	170,000
	8/21/2013	<50	na	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	110	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.12	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	57	<2.8	-	<2.5	<2.1	<2.8	<3.8	3.5	<2.5	2.6[h]	2,300	<1.3	-	160,000
SV-4	4/16/2013	na	<0.005	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	4,200	<2.0	-	170,000
	8/21/2013	370	na	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	850	<11	<11	<10	<8.3	17	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.032	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	500	<2.8	-	<2.5	<2.1	8.2	<3.8	2.1	<2.5	2.5[h]	2,500	<1.2	-	160,000
SV-5	5/3/2013	na	-	<2500	<25	<25	<25	<25	-	-	-	-	-	100	<25	<25	-	-	-	-	-	-	<RL	12,000	<2.0	-	170,000
	8/21/2013	<50	na	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	280	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
SV-6	4/16/2013	na	0.081	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	260	1.2	-	18,000
	8/21/2013	na	<0.005	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	70	65	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.084	880	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	46	29	-	<2.5	<2.1	<2.8	<3.8	5.3	<2.5	6.5[i,j]	17,000	<1.0	-	150,000
SV-7	4/16/2013	na	0.013	<2500	<25	<25	<25	<25	-	-	-	-	-	<25	<25	<25	-	-	-	-	-	-	<RL	10,000	<2.0	-	160,000
	8/21/2013	na	0.012	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	<14	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.022	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	<3.4	<2.8	-	<2.5	<2.1	<2.8	<3.8	16	<2.5	2.3[j]	12,000	<1.3	-	160,000

Table 6

Soil Vapor Analytical Data

AEI Project No. 298931, 1630 Park Street (Parcel B), Alameda, CA

Sample ID	Date	Isopropyl Alcohol* (µg/m^3)	Helium* (<5% acceptable) (%)	TPH-g & TVH (µg/m^3)	Benzene (µg/m^3)	Toluene (µg/m^3)	Ethyl-benzene (µg/m^3)	Xylenes (µg/m^3)	TBA (µg/m^3)	MTBE (µg/m^3)	TAME (µg/m^3)	DIPE (µg/m^3)	ETBE (µg/m^3)	PCE (µg/m^3)	TCE (µg/m^3)	Naphthalene (TO-17) (µg/m^3)	4-Ethyltoluene (µg/m^3)	4-Methyl-2-Pentanone (µg/m^3)	1,1,1-Trichloroethane (µg/m^3)	1,2,4-Trimethylbenzene (µg/m^3)	Tetrahydrofuran (µg/m^3)	1,3,5-Trimethylbenzene (µg/m^3)	Other VOCs (µg/m^3)	CO2 (µL/L)	Methane (µL/L)	Nitrogen (µL/L)	Oxygen (µL/L)
SV-8	8/5/2013	na	0.038	-	16	23	<8.8	42	<6.2	<7.3	<8.5	<8.5	<8.5	<14	<11	<23	<10	23	<11	12	9.5	<10	<RL	18,000	-	-	160,000
	8/21/2013	na	<0.005	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	<14	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.12	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	5.2	<2.8	-	<2.5	<2.1	<2.8	<3.8	<1.5	<2.5	<RL	29,000	<1.2	-	130,000
SV-9	8/5/2013	na	0.30	-	<6.5	10	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	<14	<11	<6.2	<10	9.1	<11	<10	<6.0	<10	<RL	12,000	-	-	160,000
	8/21/2013	na	0.059	-	<6.5	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	<14	<11	<11	<10	<8.3	<11	<10	<6.0	<10	<RL	-	-	-	-
	10/24/2013	na	0.019	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	5.4	<2.8	-	<2.5	<2.1	<2.8	<3.8	<1.5	<2.5	<RL	7,300	<1.2	-	170,000
SV-10	8/5/2013	na	0.011	-	27	60	19	110	<6.2	<7.3	<8.5	<8.5	<8.5	720	100	<25	12	28	43	38	9.4	13	<RL[c]	6,300	-	-	170,000
	8/21/2013	<20,000	na	-	8.9	<7.7	<8.8	<27	<6.2	<7.3	<8.5	<8.5	<8.5	**2,100**	160	<11	<10	<8.3	57	<10	<6.0	<10	<RL[c]	-	-	-	-
SV-11	8/21/2013	na	0.013	-	**7,500**	4,300	**5,700**	17,000	<25	<29	<34	<34	<34	**2,100**	<44	<44	860	<33	130	1,500	<24	700	<RL[a,f,g]	-	-	-	-
SV-12	8/21/2013	na	0.056	-	11	19	10	47	<6.2	<7.3	<8.5	<8.5	<8.5	31	<11	<11	<10	<8.3	<11	19	18	<10	<RL[d,e]	-	-	-	-
	10/24/2013	na	0.072	<720	<1.6	<1.9	<2.2	<6.6	<31	<1.8	<2.1	<2.1	<2.1	40	<2.8	-	<2.5	<2.1	<2.8	<3.8	<1.5	<2.5	2.5[k,h]	29,000	<1.0	-	150,000
SV-13	10/24/13	na	0.037	9,000	190	220	37	390	<31	<1.8	<2.1	<2.1	<2.1	390	5.3	-	30	<2.1	4.2	87	<1.5	69	<RL[L]	18,000	2.2	-	150,000
SV-13 DUP	10/24/13	na	0.0091	9,300	190	200	35	370	<31	<1.8	<2.1	<2.1	<2.1	360	5.3	-	29	<2.1	5.0	79	<1.5	66	<RL[n]	18,000	2.2	-	140,000
SV-14	10/24/13	na	0.013	2,400	30	38	9.9	32	<31	<1.8	<2.1	<2.1	<2.1	79	<2.8	-	9.0	4.8	<2.8	4.9	<1.5	5.5	<RL[m]	3,000	1.5	-	150,000
SV-15	10/24/13	na	0.038		3.8	6.0	2.4	10	<31	<1.8	<2.1	<2.1	<2.1	75	<2.8	-	<2.5	3.1	<2.8	3.2	<1.5	<2.5	2.3[k],2.9[h]	8,500	<1.0	-	140,000
ESL		na	NA	50,000	420	1,300,000	4,900	220,000	--	47,000	--	--	--	2,100	3,000	360	--	--	22,000,000	--	--	--	na	na	na	na	na

Notes:

µg/m3 = micrograms per cubic meter (ppbv)
* = Leak check compound
<1.0 = Not detected above the laboratory reporting limit shown
Bold = Result exceeds screening criteria (ESL)
na = Not applicable
- = Not analyzed
-- = No value established
<RL = Less than laboratory reporting limit
ESL = Environmental Screening Levels, Table E-2, San Francisco Regional Water Quality Control Board (Commercial/Industrial, Shallow Soil, Drinking Water Aquifer), Revised May 2013

TPH-g = total petroleum hydrocarbons as gasoline
TVH = Total volatile hydrocarbons -aliphatics
TBA = tert-Butyl-alchohol
MTBE = Methyl-tert-butyl ether
TAME = Tert-amyl methyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether

PCE = Tetrachloroethene
TCE = Trichloroethene
a = Hexane detected (no ESL established)
b = Ethanol detected (no ESL established)
c = Acetone detected below ESL
d = Styrene detected below ESL
e = 1,3-Butadiene detected (no ESL established)
f = Heptane detected (no ESL established)
g = 1,1,2,2-Tetrachloroethane detected below ESL
h = dichlorodifluoromethane detected (no ESL established)

i= Ethyl acetate (no ESL established)
j= 2-Hexanone (no ESL established
k= carbon disulfide (no ESL established)

[L] = Following VOCs detected: Acetone (100), Bromomethane (9.5), Carbon Disulfide (14), Cyclohexane (110), 1,2-Dichloroethane (4.0), Ethyl Acetate (4.2), Heptane (57), Hexane (69), and Methylene chloride (3.5).
[m] = Following VOCs detected: Carbon Disulfide (6.7), Chloroform (3.9), Cyclohexane (93), Hexane (24), and Styrene (3.9).
[n] = Following VOCs detected: Acetone (82), Bromomethane (10), Carbon Disulfide (12), Cyclohexane (110), 1,2-Dichloroethane (3.7), Ethyl Acetate (5.8), Heptane (55), Hexane (65), and Methylene chloride (3.6).

APPENDIX A

LABORATORY ANALYTICAL REPORTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310053

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: #WC084376
Project Name: #298931; FSI

Project Received: 10/02/2013

Analytical Report reviewed & approved for release on 10/03/2013 by:

Question about your data?

Click here to email McCampbell

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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NELAP: 12283CA ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #298931; FSI
WorkOrder: 1310053

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
S	spike recovery outside accepted recovery limits
c1	surrogate recovery outside of the control limits due to the dilution of the sample.
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SE Corner-10'	**1310053-001A**	**Soil**	**10/02/2013 10:15**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	100	10/02/2013 16:30
tert-Amyl methyl ether (TAME)	ND	0.50	100	10/02/2013 16:30
Benzene	ND	0.50	100	10/02/2013 16:30
Bromobenzene	ND	0.50	100	10/02/2013 16:30
Bromochloromethane	ND	0.50	100	10/02/2013 16:30
Bromodichloromethane	ND	0.50	100	10/02/2013 16:30
Bromoform	ND	0.50	100	10/02/2013 16:30
Bromomethane	ND	0.50	100	10/02/2013 16:30
2-Butanone (MEK)	ND	2.0	100	10/02/2013 16:30
t-Butyl alcohol (TBA)	ND	5.0	100	10/02/2013 16:30
n-Butyl benzene	**1.3**	0.50	100	10/02/2013 16:30
sec-Butyl benzene	ND	0.50	100	10/02/2013 16:30
tert-Butyl benzene	ND	0.50	100	10/02/2013 16:30
Carbon Disulfide	ND	0.50	100	10/02/2013 16:30
Carbon Tetrachloride	ND	0.50	100	10/02/2013 16:30
Chlorobenzene	ND	0.50	100	10/02/2013 16:30
Chloroethane	ND	0.50	100	10/02/2013 16:30
Chloroform	ND	0.50	100	10/02/2013 16:30
Chloromethane	ND	0.50	100	10/02/2013 16:30
2-Chlorotoluene	ND	0.50	100	10/02/2013 16:30
4-Chlorotoluene	ND	0.50	100	10/02/2013 16:30
Dibromochloromethane	ND	0.50	100	10/02/2013 16:30
1,2-Dibromo-3-chloropropane	ND	0.40	100	10/02/2013 16:30
1,2-Dibromoethane (EDB)	ND	0.40	100	10/02/2013 16:30
Dibromomethane	ND	0.50	100	10/02/2013 16:30
1,2-Dichlorobenzene	ND	0.50	100	10/02/2013 16:30
1,3-Dichlorobenzene	ND	0.50	100	10/02/2013 16:30
1,4-Dichlorobenzene	ND	0.50	100	10/02/2013 16:30
Dichlorodifluoromethane	ND	0.50	100	10/02/2013 16:30
1,1-Dichloroethane	ND	0.50	100	10/02/2013 16:30
1,2-Dichloroethane (1,2-DCA)	ND	0.40	100	10/02/2013 16:30
1,1-Dichloroethene	ND	0.50	100	10/02/2013 16:30
cis-1,2-Dichloroethene	ND	0.50	100	10/02/2013 16:30
trans-1,2-Dichloroethene	ND	0.50	100	10/02/2013 16:30
1,2-Dichloropropane	ND	0.50	100	10/02/2013 16:30
1,3-Dichloropropane	ND	0.50	100	10/02/2013 16:30
2,2-Dichloropropane	ND	0.50	100	10/02/2013 16:30
1,1-Dichloropropene	ND	0.50	100	10/02/2013 16:30

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SE Corner-10'	**1310053-001A**	**Soil**	**10/02/2013 10:15**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	100	10/02/2013 16:30
trans-1,3-Dichloropropene	ND	0.50	100	10/02/2013 16:30
Diisopropyl ether (DIPE)	ND	0.50	100	10/02/2013 16:30
Ethylbenzene	**2.1**	0.50	100	10/02/2013 16:30
Ethyl tert-butyl ether (ETBE)	ND	0.50	100	10/02/2013 16:30
Freon 113	ND	10	100	10/02/2013 16:30
Hexachlorobutadiene	ND	0.50	100	10/02/2013 16:30
Hexachloroethane	ND	0.50	100	10/02/2013 16:30
2-Hexanone	ND	0.50	100	10/02/2013 16:30
Isopropylbenzene	ND	0.50	100	10/02/2013 16:30
4-Isopropyl toluene	ND	0.50	100	10/02/2013 16:30
Methyl-t-butyl ether (MTBE)	ND	0.50	100	10/02/2013 16:30
Methylene chloride	ND	0.50	100	10/02/2013 16:30
4-Methyl-2-pentanone (MIBK)	ND	0.50	100	10/02/2013 16:30
Naphthalene	**1.2**	0.50	100	10/02/2013 16:30
n-Propyl benzene	**1.2**	0.50	100	10/02/2013 16:30
Styrene	ND	0.50	100	10/02/2013 16:30
1,1,1,2-Tetrachloroethane	ND	0.50	100	10/02/2013 16:30
1,1,2,2-Tetrachloroethane	ND	0.50	100	10/02/2013 16:30
Tetrachloroethene	ND	0.050	10	10/03/2013 11:29
Toluene	**1.1**	0.50	100	10/02/2013 16:30
1,2,3-Trichlorobenzene	ND	0.50	100	10/02/2013 16:30
1,2,4-Trichlorobenzene	ND	0.50	100	10/02/2013 16:30
1,1,1-Trichloroethane	ND	0.50	100	10/02/2013 16:30
1,1,2-Trichloroethane	ND	0.50	100	10/02/2013 16:30
Trichloroethene	ND	0.50	100	10/02/2013 16:30
Trichlorofluoromethane	ND	0.50	100	10/02/2013 16:30
1,2,3-Trichloropropane	ND	0.50	100	10/02/2013 16:30
1,2,4-Trimethylbenzene	**7.8**	0.50	100	10/02/2013 16:30
1,3,5-Trimethylbenzene	**2.2**	0.50	100	10/02/2013 16:30
Vinyl Chloride	ND	0.50	100	10/02/2013 16:30
Xylenes, Total	**10**	0.50	100	10/02/2013 16:30

Surrogates	REC (%)	Limits	
dibromofluromethane	106	70-130	10/02/2013 16:30
toluene-d8	96	70-130	10/02/2013 16:30
4-BFB	87	70-130	10/02/2013 16:30

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
WW-1-9'	**1310053-002A**	**Soil**	**10/02/2013 09:54**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	100	1000	10/02/2013 15:09
tert-Amyl methyl ether (TAME)	ND	5.0	1000	10/02/2013 15:09
Benzene	ND	5.0	1000	10/02/2013 15:09
Bromobenzene	ND	5.0	1000	10/02/2013 15:09
Bromochloromethane	ND	5.0	1000	10/02/2013 15:09
Bromodichloromethane	ND	5.0	1000	10/02/2013 15:09
Bromoform	ND	5.0	1000	10/02/2013 15:09
Bromomethane	ND	5.0	1000	10/02/2013 15:09
2-Butanone (MEK)	ND	20	1000	10/02/2013 15:09
t-Butyl alcohol (TBA)	ND	50	1000	10/02/2013 15:09
n-Butyl benzene	**15**	5.0	1000	10/02/2013 15:09
sec-Butyl benzene	ND	5.0	1000	10/02/2013 15:09
tert-Butyl benzene	ND	5.0	1000	10/02/2013 15:09
Carbon Disulfide	ND	5.0	1000	10/02/2013 15:09
Carbon Tetrachloride	ND	5.0	1000	10/02/2013 15:09
Chlorobenzene	ND	5.0	1000	10/02/2013 15:09
Chloroethane	ND	5.0	1000	10/02/2013 15:09
Chloroform	ND	5.0	1000	10/02/2013 15:09
Chloromethane	ND	5.0	1000	10/02/2013 15:09
2-Chlorotoluene	ND	5.0	1000	10/02/2013 15:09
4-Chlorotoluene	ND	5.0	1000	10/02/2013 15:09
Dibromochloromethane	ND	5.0	1000	10/02/2013 15:09
1,2-Dibromo-3-chloropropane	ND	4.0	1000	10/02/2013 15:09
1,2-Dibromoethane (EDB)	ND	4.0	1000	10/02/2013 15:09
Dibromomethane	ND	5.0	1000	10/02/2013 15:09
1,2-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:09
1,3-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:09
1,4-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:09
Dichlorodifluoromethane	ND	5.0	1000	10/02/2013 15:09
1,1-Dichloroethane	ND	5.0	1000	10/02/2013 15:09
1,2-Dichloroethane (1,2-DCA)	ND	4.0	1000	10/02/2013 15:09
1,1-Dichloroethene	ND	5.0	1000	10/02/2013 15:09
cis-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 15:09
trans-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 15:09
1,2-Dichloropropane	ND	5.0	1000	10/02/2013 15:09
1,3-Dichloropropane	ND	5.0	1000	10/02/2013 15:09
2,2-Dichloropropane	ND	5.0	1000	10/02/2013 15:09
1,1-Dichloropropene	ND	5.0	1000	10/02/2013 15:09

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
WW-1-9'	**1310053-002A**	**Soil**	**10/02/2013 09:54**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 15:09
trans-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 15:09
Diisopropyl ether (DIPE)	ND	5.0	1000	10/02/2013 15:09
Ethylbenzene	**55**	5.0	1000	10/02/2013 15:09
Ethyl tert-butyl ether (ETBE)	ND	5.0	1000	10/02/2013 15:09
Freon 113	ND	100	1000	10/02/2013 15:09
Hexachlorobutadiene	ND	5.0	1000	10/02/2013 15:09
Hexachloroethane	ND	5.0	1000	10/02/2013 15:09
2-Hexanone	ND	5.0	1000	10/02/2013 15:09
Isopropylbenzene	**5.7**	5.0	1000	10/02/2013 15:09
4-Isopropyl toluene	**5.1**	5.0	1000	10/02/2013 15:09
Methyl-t-butyl ether (MTBE)	ND	5.0	1000	10/02/2013 15:09
Methylene chloride	ND	5.0	1000	10/02/2013 15:09
4-Methyl-2-pentanone (MIBK)	ND	5.0	1000	10/02/2013 15:09
Naphthalene	**19**	5.0	1000	10/02/2013 15:09
n-Propyl benzene	**17**	5.0	1000	10/02/2013 15:09
Styrene	ND	5.0	1000	10/02/2013 15:09
1,1,1,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 15:09
1,1,2,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 15:09
Tetrachloroethene	ND	0.50	100	10/03/2013 12:09
Toluene	**80**	5.0	1000	10/02/2013 15:09
1,2,3-Trichlorobenzene	ND	5.0	1000	10/02/2013 15:09
1,2,4-Trichlorobenzene	ND	5.0	1000	10/02/2013 15:09
1,1,1-Trichloroethane	ND	5.0	1000	10/02/2013 15:09
1,1,2-Trichloroethane	ND	5.0	1000	10/02/2013 15:09
Trichloroethene	ND	5.0	1000	10/02/2013 15:09
Trichlorofluoromethane	ND	5.0	1000	10/02/2013 15:09
1,2,3-Trichloropropane	ND	5.0	1000	10/02/2013 15:09
1,2,4-Trimethylbenzene	**110**	5.0	1000	10/02/2013 15:09
1,3,5-Trimethylbenzene	**30**	5.0	1000	10/02/2013 15:09
Vinyl Chloride	ND	5.0	1000	10/02/2013 15:09
Xylenes, Total	**230**	5.0	1000	10/02/2013 15:09

Surrogates	REC (%)	Limits	
dibromofluromethane	100	70-130	10/02/2013 15:09
toluene-d8	95	70-130	10/02/2013 15:09
4-BFB	97	70-130	10/02/2013 15:09

(Cont.)

CDPH ELAP 1644 ♦ NELAP 12283CA

BB Analyst's Initial

 Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-10'	**1310053-003A**	**Soil**	**10/02/2013 10:45**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	100	1000	10/02/2013 14:35
tert-Amyl methyl ether (TAME)	ND	5.0	1000	10/02/2013 14:35
Benzene	ND	5.0	1000	10/02/2013 14:35
Bromobenzene	ND	5.0	1000	10/02/2013 14:35
Bromochloromethane	ND	5.0	1000	10/02/2013 14:35
Bromodichloromethane	ND	5.0	1000	10/02/2013 14:35
Bromoform	ND	5.0	1000	10/02/2013 14:35
Bromomethane	ND	5.0	1000	10/02/2013 14:35
2-Butanone (MEK)	ND	20	1000	10/02/2013 14:35
t-Butyl alcohol (TBA)	ND	50	1000	10/02/2013 14:35
n-Butyl benzene	**8.3**	5.0	1000	10/02/2013 14:35
sec-Butyl benzene	ND	5.0	1000	10/02/2013 14:35
tert-Butyl benzene	ND	5.0	1000	10/02/2013 14:35
Carbon Disulfide	ND	5.0	1000	10/02/2013 14:35
Carbon Tetrachloride	ND	5.0	1000	10/02/2013 14:35
Chlorobenzene	ND	5.0	1000	10/02/2013 14:35
Chloroethane	ND	5.0	1000	10/02/2013 14:35
Chloroform	ND	5.0	1000	10/02/2013 14:35
Chloromethane	ND	5.0	1000	10/02/2013 14:35
2-Chlorotoluene	ND	5.0	1000	10/02/2013 14:35
4-Chlorotoluene	ND	5.0	1000	10/02/2013 14:35
Dibromochloromethane	ND	5.0	1000	10/02/2013 14:35
1,2-Dibromo-3-chloropropane	ND	4.0	1000	10/02/2013 14:35
1,2-Dibromoethane (EDB)	ND	4.0	1000	10/02/2013 14:35
Dibromomethane	ND	5.0	1000	10/02/2013 14:35
1,2-Dichlorobenzene	ND	5.0	1000	10/02/2013 14:35
1,3-Dichlorobenzene	ND	5.0	1000	10/02/2013 14:35
1,4-Dichlorobenzene	ND	5.0	1000	10/02/2013 14:35
Dichlorodifluoromethane	ND	5.0	1000	10/02/2013 14:35
1,1-Dichloroethane	ND	5.0	1000	10/02/2013 14:35
1,2-Dichloroethane (1,2-DCA)	ND	4.0	1000	10/02/2013 14:35
1,1-Dichloroethene	ND	5.0	1000	10/02/2013 14:35
cis-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 14:35
trans-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 14:35
1,2-Dichloropropane	ND	5.0	1000	10/02/2013 14:35
1,3-Dichloropropane	ND	5.0	1000	10/02/2013 14:35
2,2-Dichloropropane	ND	5.0	1000	10/02/2013 14:35
1,1-Dichloropropene	ND	5.0	1000	10/02/2013 14:35

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-10'	**1310053-003A**	**Soil**	**10/02/2013 10:45**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 14:35
trans-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 14:35
Diisopropyl ether (DIPE)	ND	5.0	1000	10/02/2013 14:35
Ethylbenzene	**27**	5.0	1000	10/02/2013 14:35
Ethyl tert-butyl ether (ETBE)	ND	5.0	1000	10/02/2013 14:35
Freon 113	ND	100	1000	10/02/2013 14:35
Hexachlorobutadiene	ND	5.0	1000	10/02/2013 14:35
Hexachloroethane	ND	5.0	1000	10/02/2013 14:35
2-Hexanone	ND	5.0	1000	10/02/2013 14:35
Isopropylbenzene	ND	5.0	1000	10/02/2013 14:35
4-Isopropyl toluene	ND	5.0	1000	10/02/2013 14:35
Methyl-t-butyl ether (MTBE)	ND	5.0	1000	10/02/2013 14:35
Methylene chloride	ND	5.0	1000	10/02/2013 14:35
4-Methyl-2-pentanone (MIBK)	ND	5.0	1000	10/02/2013 14:35
Naphthalene	**6.4**	5.0	1000	10/02/2013 14:35
n-Propyl benzene	**11**	5.0	1000	10/02/2013 14:35
Styrene	ND	5.0	1000	10/02/2013 14:35
1,1,1,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 14:35
1,1,2,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 14:35
Tetrachloroethene	ND	0.50	100	10/03/2013 12:49
Toluene	**22**	5.0	1000	10/02/2013 14:35
1,2,3-Trichlorobenzene	ND	5.0	1000	10/02/2013 14:35
1,2,4-Trichlorobenzene	ND	5.0	1000	10/02/2013 14:35
1,1,1-Trichloroethane	ND	5.0	1000	10/02/2013 14:35
1,1,2-Trichloroethane	ND	5.0	1000	10/02/2013 14:35
Trichloroethene	ND	5.0	1000	10/02/2013 14:35
Trichlorofluoromethane	ND	5.0	1000	10/02/2013 14:35
1,2,3-Trichloropropane	ND	5.0	1000	10/02/2013 14:35
1,2,4-Trimethylbenzene	**54**	5.0	1000	10/02/2013 14:35
1,3,5-Trimethylbenzene	**16**	5.0	1000	10/02/2013 14:35
Vinyl Chloride	ND	5.0	1000	10/02/2013 14:35
Xylenes, Total	**110**	5.0	1000	10/02/2013 14:35

Surrogates	REC (%)	Limits	
dibromofluromethane	103	70-130	10/02/2013 14:35
toluene-d8	99	70-130	10/02/2013 14:35
4-BFB	93	70-130	10/02/2013 14:35

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NBOT-12.5	1310053-004A	Soil	10/02/2013 07:40	GC16	82363

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/02/2013 18:00
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/02/2013 18:00
Benzene	ND	0.0050	1	10/02/2013 18:00
Bromobenzene	ND	0.0050	1	10/02/2013 18:00
Bromochloromethane	ND	0.0050	1	10/02/2013 18:00
Bromodichloromethane	ND	0.0050	1	10/02/2013 18:00
Bromoform	ND	0.0050	1	10/02/2013 18:00
Bromomethane	ND	0.0050	1	10/02/2013 18:00
2-Butanone (MEK)	ND	0.020	1	10/02/2013 18:00
t-Butyl alcohol (TBA)	ND	0.050	1	10/02/2013 18:00
n-Butyl benzene	ND	0.0050	1	10/02/2013 18:00
sec-Butyl benzene	ND	0.0050	1	10/02/2013 18:00
tert-Butyl benzene	ND	0.0050	1	10/02/2013 18:00
Carbon Disulfide	ND	0.0050	1	10/02/2013 18:00
Carbon Tetrachloride	ND	0.0050	1	10/02/2013 18:00
Chlorobenzene	ND	0.0050	1	10/02/2013 18:00
Chloroethane	ND	0.0050	1	10/02/2013 18:00
Chloroform	ND	0.0050	1	10/02/2013 18:00
Chloromethane	ND	0.0050	1	10/02/2013 18:00
2-Chlorotoluene	ND	0.0050	1	10/02/2013 18:00
4-Chlorotoluene	ND	0.0050	1	10/02/2013 18:00
Dibromochloromethane	ND	0.0050	1	10/02/2013 18:00
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/02/2013 18:00
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/02/2013 18:00
Dibromomethane	ND	0.0050	1	10/02/2013 18:00
1,2-Dichlorobenzene	ND	0.0050	1	10/02/2013 18:00
1,3-Dichlorobenzene	ND	0.0050	1	10/02/2013 18:00
1,4-Dichlorobenzene	ND	0.0050	1	10/02/2013 18:00
Dichlorodifluoromethane	ND	0.0050	1	10/02/2013 18:00
1,1-Dichloroethane	ND	0.0050	1	10/02/2013 18:00
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/02/2013 18:00
1,1-Dichloroethene	ND	0.0050	1	10/02/2013 18:00
cis-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 18:00
trans-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 18:00
1,2-Dichloropropane	ND	0.0050	1	10/02/2013 18:00
1,3-Dichloropropane	ND	0.0050	1	10/02/2013 18:00
2,2-Dichloropropane	ND	0.0050	1	10/02/2013 18:00
1,1-Dichloropropene	ND	0.0050	1	10/02/2013 18:00

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NBOT-12.5	**1310053-004A**	**Soil**	**10/02/2013 07:40**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 18:00
trans-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 18:00
Diisopropyl ether (DIPE)	ND	0.0050	1	10/02/2013 18:00
Ethylbenzene	ND	0.0050	1	10/02/2013 18:00
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/02/2013 18:00
Freon 113	ND	0.10	1	10/02/2013 18:00
Hexachlorobutadiene	ND	0.0050	1	10/02/2013 18:00
Hexachloroethane	ND	0.0050	1	10/02/2013 18:00
2-Hexanone	ND	0.0050	1	10/02/2013 18:00
Isopropylbenzene	ND	0.0050	1	10/02/2013 18:00
4-Isopropyl toluene	ND	0.0050	1	10/02/2013 18:00
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/02/2013 18:00
Methylene chloride	ND	0.0050	1	10/02/2013 18:00
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/02/2013 18:00
Naphthalene	ND	0.0050	1	10/02/2013 18:00
n-Propyl benzene	ND	0.0050	1	10/02/2013 18:00
Styrene	ND	0.0050	1	10/02/2013 18:00
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 18:00
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 18:00
Tetrachloroethene	ND	0.0050	1	10/02/2013 18:00
Toluene	ND	0.0050	1	10/02/2013 18:00
1,2,3-Trichlorobenzene	ND	0.0050	1	10/02/2013 18:00
1,2,4-Trichlorobenzene	ND	0.0050	1	10/02/2013 18:00
1,1,1-Trichloroethane	ND	0.0050	1	10/02/2013 18:00
1,1,2-Trichloroethane	ND	0.0050	1	10/02/2013 18:00
Trichloroethene	ND	0.0050	1	10/02/2013 18:00
Trichlorofluoromethane	ND	0.0050	1	10/02/2013 18:00
1,2,3-Trichloropropane	ND	0.0050	1	10/02/2013 18:00
1,2,4-Trimethylbenzene	ND	0.0050	1	10/02/2013 18:00
1,3,5-Trimethylbenzene	ND	0.0050	1	10/02/2013 18:00
Vinyl Chloride	ND	0.0050	1	10/02/2013 18:00
Xylenes, Total	ND	0.0050	1	10/02/2013 18:00

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/02/2013 18:00
toluene-d8	102	70-130	10/02/2013 18:00
4-BFB	103	70-130	10/02/2013 18:00

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SBOT-10	**1310053-005A**	**Soil**	**10/02/2013 08:17**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/03/2013 13:38
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/03/2013 13:38
Benzene	ND	0.0050	1	10/03/2013 13:38
Bromobenzene	ND	0.0050	1	10/03/2013 13:38
Bromochloromethane	ND	0.0050	1	10/03/2013 13:38
Bromodichloromethane	ND	0.0050	1	10/03/2013 13:38
Bromoform	ND	0.0050	1	10/03/2013 13:38
Bromomethane	ND	0.0050	1	10/03/2013 13:38
2-Butanone (MEK)	ND	0.020	1	10/03/2013 13:38
t-Butyl alcohol (TBA)	ND	0.050	1	10/03/2013 13:38
n-Butyl benzene	ND	0.0050	1	10/03/2013 13:38
sec-Butyl benzene	ND	0.0050	1	10/03/2013 13:38
tert-Butyl benzene	ND	0.0050	1	10/03/2013 13:38
Carbon Disulfide	ND	0.0050	1	10/03/2013 13:38
Carbon Tetrachloride	ND	0.0050	1	10/03/2013 13:38
Chlorobenzene	ND	0.0050	1	10/03/2013 13:38
Chloroethane	ND	0.0050	1	10/03/2013 13:38
Chloroform	ND	0.0050	1	10/03/2013 13:38
Chloromethane	ND	0.0050	1	10/03/2013 13:38
2-Chlorotoluene	ND	0.0050	1	10/03/2013 13:38
4-Chlorotoluene	ND	0.0050	1	10/03/2013 13:38
Dibromochloromethane	ND	0.0050	1	10/03/2013 13:38
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/03/2013 13:38
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/03/2013 13:38
Dibromomethane	ND	0.0050	1	10/03/2013 13:38
1,2-Dichlorobenzene	ND	0.0050	1	10/03/2013 13:38
1,3-Dichlorobenzene	ND	0.0050	1	10/03/2013 13:38
1,4-Dichlorobenzene	ND	0.0050	1	10/03/2013 13:38
Dichlorodifluoromethane	ND	0.0050	1	10/03/2013 13:38
1,1-Dichloroethane	ND	0.0050	1	10/03/2013 13:38
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/03/2013 13:38
1,1-Dichloroethene	ND	0.0050	1	10/03/2013 13:38
cis-1,2-Dichloroethene	ND	0.0050	1	10/03/2013 13:38
trans-1,2-Dichloroethene	ND	0.0050	1	10/03/2013 13:38
1,2-Dichloropropane	ND	0.0050	1	10/03/2013 13:38
1,3-Dichloropropane	ND	0.0050	1	10/03/2013 13:38
2,2-Dichloropropane	ND	0.0050	1	10/03/2013 13:38
1,1-Dichloropropene	ND	0.0050	1	10/03/2013 13:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SBOT-10	**1310053-005A**	**Soil**	**10/02/2013 08:17**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/03/2013 13:38
trans-1,3-Dichloropropene	ND	0.0050	1	10/03/2013 13:38
Diisopropyl ether (DIPE)	ND	0.0050	1	10/03/2013 13:38
Ethylbenzene	ND	0.0050	1	10/03/2013 13:38
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/03/2013 13:38
Freon 113	ND	0.10	1	10/03/2013 13:38
Hexachlorobutadiene	ND	0.0050	1	10/03/2013 13:38
Hexachloroethane	ND	0.0050	1	10/03/2013 13:38
2-Hexanone	ND	0.0050	1	10/03/2013 13:38
Isopropylbenzene	ND	0.0050	1	10/03/2013 13:38
4-Isopropyl toluene	ND	0.0050	1	10/03/2013 13:38
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/03/2013 13:38
Methylene chloride	ND	0.0050	1	10/03/2013 13:38
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/03/2013 13:38
Naphthalene	ND	0.0050	1	10/03/2013 13:38
n-Propyl benzene	ND	0.0050	1	10/03/2013 13:38
Styrene	ND	0.0050	1	10/03/2013 13:38
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/03/2013 13:38
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/03/2013 13:38
Tetrachloroethene	ND	0.0050	1	10/03/2013 13:38
Toluene	ND	0.0050	1	10/03/2013 13:38
1,2,3-Trichlorobenzene	ND	0.0050	1	10/03/2013 13:38
1,2,4-Trichlorobenzene	ND	0.0050	1	10/03/2013 13:38
1,1,1-Trichloroethane	ND	0.0050	1	10/03/2013 13:38
1,1,2-Trichloroethane	ND	0.0050	1	10/03/2013 13:38
Trichloroethene	ND	0.0050	1	10/03/2013 13:38
Trichlorofluoromethane	ND	0.0050	1	10/03/2013 13:38
1,2,3-Trichloropropane	ND	0.0050	1	10/03/2013 13:38
1,2,4-Trimethylbenzene	ND	0.0050	1	10/03/2013 13:38
1,3,5-Trimethylbenzene	ND	0.0050	1	10/03/2013 13:38
Vinyl Chloride	ND	0.0050	1	10/03/2013 13:38
Xylenes, Total	ND	0.0050	1	10/03/2013 13:38

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/03/2013 13:38
toluene-d8	104	70-130	10/03/2013 13:38
4-BFB	100	70-130	10/03/2013 13:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWALL-9'	1310053-006A	Soil	10/02/2013 10:20	GC16	82363

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/02/2013 21:34
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/02/2013 21:34
Benzene	ND	0.0050	1	10/02/2013 21:34
Bromobenzene	ND	0.0050	1	10/02/2013 21:34
Bromochloromethane	ND	0.0050	1	10/02/2013 21:34
Bromodichloromethane	ND	0.0050	1	10/02/2013 21:34
Bromoform	ND	0.0050	1	10/02/2013 21:34
Bromomethane	ND	0.0050	1	10/02/2013 21:34
2-Butanone (MEK)	ND	0.020	1	10/02/2013 21:34
t-Butyl alcohol (TBA)	ND	0.050	1	10/02/2013 21:34
n-Butyl benzene	ND	0.0050	1	10/02/2013 21:34
sec-Butyl benzene	ND	0.0050	1	10/02/2013 21:34
tert-Butyl benzene	ND	0.0050	1	10/02/2013 21:34
Carbon Disulfide	ND	0.0050	1	10/02/2013 21:34
Carbon Tetrachloride	ND	0.0050	1	10/02/2013 21:34
Chlorobenzene	ND	0.0050	1	10/02/2013 21:34
Chloroethane	ND	0.0050	1	10/02/2013 21:34
Chloroform	ND	0.0050	1	10/02/2013 21:34
Chloromethane	ND	0.0050	1	10/02/2013 21:34
2-Chlorotoluene	ND	0.0050	1	10/02/2013 21:34
4-Chlorotoluene	ND	0.0050	1	10/02/2013 21:34
Dibromochloromethane	ND	0.0050	1	10/02/2013 21:34
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/02/2013 21:34
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/02/2013 21:34
Dibromomethane	ND	0.0050	1	10/02/2013 21:34
1,2-Dichlorobenzene	ND	0.0050	1	10/02/2013 21:34
1,3-Dichlorobenzene	ND	0.0050	1	10/02/2013 21:34
1,4-Dichlorobenzene	ND	0.0050	1	10/02/2013 21:34
Dichlorodifluoromethane	ND	0.0050	1	10/02/2013 21:34
1,1-Dichloroethane	ND	0.0050	1	10/02/2013 21:34
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/02/2013 21:34
1,1-Dichloroethene	ND	0.0050	1	10/02/2013 21:34
cis-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 21:34
trans-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 21:34
1,2-Dichloropropane	ND	0.0050	1	10/02/2013 21:34
1,3-Dichloropropane	ND	0.0050	1	10/02/2013 21:34
2,2-Dichloropropane	ND	0.0050	1	10/02/2013 21:34
1,1-Dichloropropene	ND	0.0050	1	10/02/2013 21:34

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWALL-9'	**1310053-006A**	**Soil**	**10/02/2013 10:20**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 21:34
trans-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 21:34
Diisopropyl ether (DIPE)	ND	0.0050	1	10/02/2013 21:34
Ethylbenzene	ND	0.0050	1	10/02/2013 21:34
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/02/2013 21:34
Freon 113	ND	0.10	1	10/02/2013 21:34
Hexachlorobutadiene	ND	0.0050	1	10/02/2013 21:34
Hexachloroethane	ND	0.0050	1	10/02/2013 21:34
2-Hexanone	ND	0.0050	1	10/02/2013 21:34
Isopropylbenzene	ND	0.0050	1	10/02/2013 21:34
4-Isopropyl toluene	ND	0.0050	1	10/02/2013 21:34
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/02/2013 21:34
Methylene chloride	ND	0.0050	1	10/02/2013 21:34
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/02/2013 21:34
Naphthalene	ND	0.0050	1	10/02/2013 21:34
n-Propyl benzene	ND	0.0050	1	10/02/2013 21:34
Styrene	ND	0.0050	1	10/02/2013 21:34
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 21:34
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 21:34
Tetrachloroethene	ND	0.0050	1	10/02/2013 21:34
Toluene	ND	0.0050	1	10/02/2013 21:34
1,2,3-Trichlorobenzene	ND	0.0050	1	10/02/2013 21:34
1,2,4-Trichlorobenzene	ND	0.0050	1	10/02/2013 21:34
1,1,1-Trichloroethane	ND	0.0050	1	10/02/2013 21:34
1,1,2-Trichloroethane	ND	0.0050	1	10/02/2013 21:34
Trichloroethene	ND	0.0050	1	10/02/2013 21:34
Trichlorofluoromethane	ND	0.0050	1	10/02/2013 21:34
1,2,3-Trichloropropane	ND	0.0050	1	10/02/2013 21:34
1,2,4-Trimethylbenzene	ND	0.0050	1	10/02/2013 21:34
1,3,5-Trimethylbenzene	ND	0.0050	1	10/02/2013 21:34
Vinyl Chloride	ND	0.0050	1	10/02/2013 21:34
Xylenes, Total	ND	0.0050	1	10/02/2013 21:34

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/02/2013 21:34
toluene-d8	101	70-130	10/02/2013 21:34
4-BFB	99	70-130	10/02/2013 21:34

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWWALL-10'	**1310053-007A**	**Soil**	**10/02/2013 10:35**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/02/2013 22:20
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/02/2013 22:20
Benzene	ND	0.0050	1	10/02/2013 22:20
Bromobenzene	ND	0.0050	1	10/02/2013 22:20
Bromochloromethane	ND	0.0050	1	10/02/2013 22:20
Bromodichloromethane	ND	0.0050	1	10/02/2013 22:20
Bromoform	ND	0.0050	1	10/02/2013 22:20
Bromomethane	ND	0.0050	1	10/02/2013 22:20
2-Butanone (MEK)	ND	0.020	1	10/02/2013 22:20
t-Butyl alcohol (TBA)	ND	0.050	1	10/02/2013 22:20
n-Butyl benzene	ND	0.0050	1	10/02/2013 22:20
sec-Butyl benzene	ND	0.0050	1	10/02/2013 22:20
tert-Butyl benzene	ND	0.0050	1	10/02/2013 22:20
Carbon Disulfide	ND	0.0050	1	10/02/2013 22:20
Carbon Tetrachloride	ND	0.0050	1	10/02/2013 22:20
Chlorobenzene	ND	0.0050	1	10/02/2013 22:20
Chloroethane	ND	0.0050	1	10/02/2013 22:20
Chloroform	ND	0.0050	1	10/02/2013 22:20
Chloromethane	ND	0.0050	1	10/02/2013 22:20
2-Chlorotoluene	ND	0.0050	1	10/02/2013 22:20
4-Chlorotoluene	ND	0.0050	1	10/02/2013 22:20
Dibromochloromethane	ND	0.0050	1	10/02/2013 22:20
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/02/2013 22:20
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/02/2013 22:20
Dibromomethane	ND	0.0050	1	10/02/2013 22:20
1,2-Dichlorobenzene	ND	0.0050	1	10/02/2013 22:20
1,3-Dichlorobenzene	ND	0.0050	1	10/02/2013 22:20
1,4-Dichlorobenzene	ND	0.0050	1	10/02/2013 22:20
Dichlorodifluoromethane	ND	0.0050	1	10/02/2013 22:20
1,1-Dichloroethane	ND	0.0050	1	10/02/2013 22:20
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/02/2013 22:20
1,1-Dichloroethene	ND	0.0050	1	10/02/2013 22:20
cis-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 22:20
trans-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 22:20
1,2-Dichloropropane	ND	0.0050	1	10/02/2013 22:20
1,3-Dichloropropane	ND	0.0050	1	10/02/2013 22:20
2,2-Dichloropropane	ND	0.0050	1	10/02/2013 22:20
1,1-Dichloropropene	ND	0.0050	1	10/02/2013 22:20

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWWALL-10'	**1310053-007A**	**Soil**	**10/02/2013 10:35**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 22:20
trans-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 22:20
Diisopropyl ether (DIPE)	ND	0.0050	1	10/02/2013 22:20
Ethylbenzene	ND	0.0050	1	10/02/2013 22:20
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/02/2013 22:20
Freon 113	ND	0.10	1	10/02/2013 22:20
Hexachlorobutadiene	ND	0.0050	1	10/02/2013 22:20
Hexachloroethane	ND	0.0050	1	10/02/2013 22:20
2-Hexanone	ND	0.0050	1	10/02/2013 22:20
Isopropylbenzene	ND	0.0050	1	10/02/2013 22:20
4-Isopropyl toluene	ND	0.0050	1	10/02/2013 22:20
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/02/2013 22:20
Methylene chloride	ND	0.0050	1	10/02/2013 22:20
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/02/2013 22:20
Naphthalene	ND	0.0050	1	10/02/2013 22:20
n-Propyl benzene	ND	0.0050	1	10/02/2013 22:20
Styrene	ND	0.0050	1	10/02/2013 22:20
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 22:20
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 22:20
Tetrachloroethene	ND	0.0050	1	10/02/2013 22:20
Toluene	ND	0.0050	1	10/02/2013 22:20
1,2,3-Trichlorobenzene	ND	0.0050	1	10/02/2013 22:20
1,2,4-Trichlorobenzene	ND	0.0050	1	10/02/2013 22:20
1,1,1-Trichloroethane	ND	0.0050	1	10/02/2013 22:20
1,1,2-Trichloroethane	ND	0.0050	1	10/02/2013 22:20
Trichloroethene	ND	0.0050	1	10/02/2013 22:20
Trichlorofluoromethane	ND	0.0050	1	10/02/2013 22:20
1,2,3-Trichloropropane	ND	0.0050	1	10/02/2013 22:20
1,2,4-Trimethylbenzene	ND	0.0050	1	10/02/2013 22:20
1,3,5-Trimethylbenzene	ND	0.0050	1	10/02/2013 22:20
Vinyl Chloride	ND	0.0050	1	10/02/2013 22:20
Xylenes, Total	ND	0.0050	1	10/02/2013 22:20

Surrogates	REC (%)	Limits	
dibromofluromethane	97	70-130	10/02/2013 22:20
toluene-d8	100	70-130	10/02/2013 22:20
4-BFB	104	70-130	10/02/2013 22:20

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NEWALL-10'	**1310053-008A**	**Soil**	**10/02/2013 10:40**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	100	1000	10/02/2013 15:52
tert-Amyl methyl ether (TAME)	ND	5.0	1000	10/02/2013 15:52
Benzene	**17**	5.0	1000	10/02/2013 15:52
Bromobenzene	ND	5.0	1000	10/02/2013 15:52
Bromochloromethane	ND	5.0	1000	10/02/2013 15:52
Bromodichloromethane	ND	5.0	1000	10/02/2013 15:52
Bromoform	ND	5.0	1000	10/02/2013 15:52
Bromomethane	ND	5.0	1000	10/02/2013 15:52
2-Butanone (MEK)	ND	20	1000	10/02/2013 15:52
t-Butyl alcohol (TBA)	ND	50	1000	10/02/2013 15:52
n-Butyl benzene	**9.3**	5.0	1000	10/02/2013 15:52
sec-Butyl benzene	ND	5.0	1000	10/02/2013 15:52
tert-Butyl benzene	ND	5.0	1000	10/02/2013 15:52
Carbon Disulfide	ND	5.0	1000	10/02/2013 15:52
Carbon Tetrachloride	ND	5.0	1000	10/02/2013 15:52
Chlorobenzene	ND	5.0	1000	10/02/2013 15:52
Chloroethane	ND	5.0	1000	10/02/2013 15:52
Chloroform	ND	5.0	1000	10/02/2013 15:52
Chloromethane	ND	5.0	1000	10/02/2013 15:52
2-Chlorotoluene	ND	5.0	1000	10/02/2013 15:52
4-Chlorotoluene	ND	5.0	1000	10/02/2013 15:52
Dibromochloromethane	ND	5.0	1000	10/02/2013 15:52
1,2-Dibromo-3-chloropropane	ND	4.0	1000	10/02/2013 15:52
1,2-Dibromoethane (EDB)	ND	4.0	1000	10/02/2013 15:52
Dibromomethane	ND	5.0	1000	10/02/2013 15:52
1,2-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:52
1,3-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:52
1,4-Dichlorobenzene	ND	5.0	1000	10/02/2013 15:52
Dichlorodifluoromethane	ND	5.0	1000	10/02/2013 15:52
1,1-Dichloroethane	ND	5.0	1000	10/02/2013 15:52
1,2-Dichloroethane (1,2-DCA)	ND	4.0	1000	10/02/2013 15:52
1,1-Dichloroethene	ND	5.0	1000	10/02/2013 15:52
cis-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 15:52
trans-1,2-Dichloroethene	ND	5.0	1000	10/02/2013 15:52
1,2-Dichloropropane	ND	5.0	1000	10/02/2013 15:52
1,3-Dichloropropane	ND	5.0	1000	10/02/2013 15:52
2,2-Dichloropropane	ND	5.0	1000	10/02/2013 15:52
1,1-Dichloropropene	ND	5.0	1000	10/02/2013 15:52

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NEWALL-10'	**1310053-008A**	**Soil**	**10/02/2013 10:40**	**GC28**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 15:52
trans-1,3-Dichloropropene	ND	5.0	1000	10/02/2013 15:52
Diisopropyl ether (DIPE)	ND	5.0	1000	10/02/2013 15:52
Ethylbenzene	**39**	5.0	1000	10/02/2013 15:52
Ethyl tert-butyl ether (ETBE)	ND	5.0	1000	10/02/2013 15:52
Freon 113	ND	100	1000	10/02/2013 15:52
Hexachlorobutadiene	ND	5.0	1000	10/02/2013 15:52
Hexachloroethane	ND	5.0	1000	10/02/2013 15:52
2-Hexanone	ND	5.0	1000	10/02/2013 15:52
Isopropylbenzene	ND	5.0	1000	10/02/2013 15:52
4-Isopropyl toluene	ND	5.0	1000	10/02/2013 15:52
Methyl-t-butyl ether (MTBE)	ND	5.0	1000	10/02/2013 15:52
Methylene chloride	ND	5.0	1000	10/02/2013 15:52
4-Methyl-2-pentanone (MIBK)	ND	5.0	1000	10/02/2013 15:52
Naphthalene	**10**	5.0	1000	10/02/2013 15:52
n-Propyl benzene	**14**	5.0	1000	10/02/2013 15:52
Styrene	ND	5.0	1000	10/02/2013 15:52
1,1,1,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 15:52
1,1,2,2-Tetrachloroethane	ND	5.0	1000	10/02/2013 15:52
Tetrachloroethene	ND	0.50	100	10/03/2013 13:28
Toluene	**94**	5.0	1000	10/02/2013 15:52
1,2,3-Trichlorobenzene	ND	5.0	1000	10/02/2013 15:52
1,2,4-Trichlorobenzene	ND	5.0	1000	10/02/2013 15:52
1,1,1-Trichloroethane	ND	5.0	1000	10/02/2013 15:52
1,1,2-Trichloroethane	ND	5.0	1000	10/02/2013 15:52
Trichloroethene	ND	5.0	1000	10/02/2013 15:52
Trichlorofluoromethane	ND	5.0	1000	10/02/2013 15:52
1,2,3-Trichloropropane	ND	5.0	1000	10/02/2013 15:52
1,2,4-Trimethylbenzene	**74**	5.0	1000	10/02/2013 15:52
1,3,5-Trimethylbenzene	**22**	5.0	1000	10/02/2013 15:52
Vinyl Chloride	ND	5.0	1000	10/02/2013 15:52
Xylenes, Total	**170**	5.0	1000	10/02/2013 15:52

Surrogates	REC (%)	Limits	
dibromofluromethane	102	70-130	10/02/2013 15:52
toluene-d8	97	70-130	10/02/2013 15:52
4-BFB	87	70-130	10/02/2013 15:52

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BB Analyst's Initial

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-6'	**1310053-009A**	**Soil**	**10/02/2013 10:50**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/03/2013 12:13
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/03/2013 12:13
Benzene	ND	0.0050	1	10/03/2013 12:13
Bromobenzene	ND	0.0050	1	10/03/2013 12:13
Bromochloromethane	ND	0.0050	1	10/03/2013 12:13
Bromodichloromethane	ND	0.0050	1	10/03/2013 12:13
Bromoform	ND	0.0050	1	10/03/2013 12:13
Bromomethane	ND	0.0050	1	10/03/2013 12:13
2-Butanone (MEK)	ND	0.020	1	10/03/2013 12:13
t-Butyl alcohol (TBA)	ND	0.050	1	10/03/2013 12:13
n-Butyl benzene	ND	0.0050	1	10/03/2013 12:13
sec-Butyl benzene	ND	0.0050	1	10/03/2013 12:13
tert-Butyl benzene	ND	0.0050	1	10/03/2013 12:13
Carbon Disulfide	ND	0.0050	1	10/03/2013 12:13
Carbon Tetrachloride	ND	0.0050	1	10/03/2013 12:13
Chlorobenzene	ND	0.0050	1	10/03/2013 12:13
Chloroethane	ND	0.0050	1	10/03/2013 12:13
Chloroform	ND	0.0050	1	10/03/2013 12:13
Chloromethane	ND	0.0050	1	10/03/2013 12:13
2-Chlorotoluene	ND	0.0050	1	10/03/2013 12:13
4-Chlorotoluene	ND	0.0050	1	10/03/2013 12:13
Dibromochloromethane	ND	0.0050	1	10/03/2013 12:13
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/03/2013 12:13
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/03/2013 12:13
Dibromomethane	ND	0.0050	1	10/03/2013 12:13
1,2-Dichlorobenzene	ND	0.0050	1	10/03/2013 12:13
1,3-Dichlorobenzene	ND	0.0050	1	10/03/2013 12:13
1,4-Dichlorobenzene	ND	0.0050	1	10/03/2013 12:13
Dichlorodifluoromethane	ND	0.0050	1	10/03/2013 12:13
1,1-Dichloroethane	ND	0.0050	1	10/03/2013 12:13
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/03/2013 12:13
1,1-Dichloroethene	ND	0.0050	1	10/03/2013 12:13
cis-1,2-Dichloroethene	ND	0.0050	1	10/03/2013 12:13
trans-1,2-Dichloroethene	ND	0.0050	1	10/03/2013 12:13
1,2-Dichloropropane	ND	0.0050	1	10/03/2013 12:13
1,3-Dichloropropane	ND	0.0050	1	10/03/2013 12:13
2,2-Dichloropropane	ND	0.0050	1	10/03/2013 12:13
1,1-Dichloropropene	ND	0.0050	1	10/03/2013 12:13

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-6'	**1310053-009A**	**Soil**	**10/02/2013 10:50**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/03/2013 12:13
trans-1,3-Dichloropropene	ND	0.0050	1	10/03/2013 12:13
Diisopropyl ether (DIPE)	ND	0.0050	1	10/03/2013 12:13
Ethylbenzene	ND	0.0050	1	10/03/2013 12:13
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/03/2013 12:13
Freon 113	ND	0.10	1	10/03/2013 12:13
Hexachlorobutadiene	ND	0.0050	1	10/03/2013 12:13
Hexachloroethane	ND	0.0050	1	10/03/2013 12:13
2-Hexanone	ND	0.0050	1	10/03/2013 12:13
Isopropylbenzene	ND	0.0050	1	10/03/2013 12:13
4-Isopropyl toluene	ND	0.0050	1	10/03/2013 12:13
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/03/2013 12:13
Methylene chloride	ND	0.0050	1	10/03/2013 12:13
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/03/2013 12:13
Naphthalene	ND	0.0050	1	10/03/2013 12:13
n-Propyl benzene	ND	0.0050	1	10/03/2013 12:13
Styrene	ND	0.0050	1	10/03/2013 12:13
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/03/2013 12:13
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/03/2013 12:13
Tetrachloroethene	ND	0.0050	1	10/03/2013 12:13
Toluene	ND	0.0050	1	10/03/2013 12:13
1,2,3-Trichlorobenzene	ND	0.0050	1	10/03/2013 12:13
1,2,4-Trichlorobenzene	ND	0.0050	1	10/03/2013 12:13
1,1,1-Trichloroethane	ND	0.0050	1	10/03/2013 12:13
1,1,2-Trichloroethane	ND	0.0050	1	10/03/2013 12:13
Trichloroethene	ND	0.0050	1	10/03/2013 12:13
Trichlorofluoromethane	ND	0.0050	1	10/03/2013 12:13
1,2,3-Trichloropropane	ND	0.0050	1	10/03/2013 12:13
1,2,4-Trimethylbenzene	ND	0.0050	1	10/03/2013 12:13
1,3,5-Trimethylbenzene	ND	0.0050	1	10/03/2013 12:13
Vinyl Chloride	ND	0.0050	1	10/03/2013 12:13
Xylenes, Total	ND	0.0050	1	10/03/2013 12:13

Surrogates	REC (%)	Limits	
dibromofluromethane	95	70-130	10/03/2013 12:13
toluene-d8	104	70-130	10/03/2013 12:13
4-BFB	103	70-130	10/03/2013 12:13

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8015Bm
Date Prepared:	10/2/13-10/3/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SE Corner-10'	**1310053-001A**	**Soil**	**10/02/2013 10:15**	**GC7**	**82348**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**380**	25	25	10/02/2013 18:54

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
2-fluorotoluene	43	S	70-130		10/02/2013 18:54

WW-1-9'	**1310053-002A**	**Soil**	**10/02/2013 09:54**	**GC7**	**82348**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**3200**	330	330	10/02/2013 19:24

Surrogates	REC (%)	Limits	Analytical Comments: d1	
2-fluorotoluene	84	70-130		10/02/2013 19:24

NWALL-10'	**1310053-003A**	**Soil**	**10/02/2013 10:45**	**GC7**	**82348**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**790**	200	200	10/02/2013 23:25

Surrogates	REC (%)	Limits	Analytical Comments: d1	
aaa-TFT	97	70-130		10/02/2013 23:25

NBOT-12.5	**1310053-004A**	**Soil**	**10/02/2013 07:40**	**GC19**	**82395**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/03/2013 16:08

Surrogates	REC (%)	Limits		
2-fluorotoluene	101	70-130		10/03/2013 16:08

SBOT-10	**1310053-005A**	**Soil**	**10/02/2013 08:17**	**GC19**	**82395**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**11**	1.0	1	10/03/2013 16:38

Surrogates	REC (%)	Limits	Analytical Comments: d7	
2-fluorotoluene	92	70-130		10/03/2013 16:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8015Bm
Date Prepared:	10/2/13-10/3/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWALL-9'	**1310053-006A**	**Soil**	**10/02/2013 10:20**	**GC7**	**82348**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/02/2013 21:55
Surrogates	**REC (%)**	**Limits**		
2-fluorotoluene	111	70-130		10/02/2013 21:55

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWWALL-10'	**1310053-007A**	**Soil**	**10/02/2013 10:35**	**GC19**	**82395**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/03/2013 17:08
Surrogates	**REC (%)**	**Limits**		
2-fluorotoluene	101	70-130		10/03/2013 17:08

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NEWALL-10'	**1310053-008A**	**Soil**	**10/02/2013 10:40**	**GC7**	**82377**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**620**	200	200	10/02/2013 23:55
Surrogates	**REC (%)**	**Limits**	Analytical Comments: d1	
aaa-TFT	99	70-130		10/02/2013 23:55

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-6'	**1310053-009A**	**Soil**	**10/02/2013 10:50**	**GC19**	**82377**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/03/2013 11:48
Surrogates	**REC (%)**	**Limits**		
2-fluorotoluene	113	70-130		10/03/2013 11:48

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8015B
Date Prepared:	10/2/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SE Corner-10'	**1310053-001A**	**Soil**	**10/02/2013 10:15**	**GC11A**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**54**	1.0	1	10/02/2013 15:37
TPH-Motor Oil (C18-C36)	**7.7**	5.0	1	10/02/2013 15:37

Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2
C9	112	70-130	10/02/2013 15:37

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
WW-1-9'	**1310053-002A**	**Soil**	**10/02/2013 09:54**	**GC6A**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1300**	100	100	10/03/2013 10:48
TPH-Motor Oil (C18-C36)	**2100**	500	100	10/03/2013 10:48

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: e7,e4,e2,c1
C9	178	S	70-130	10/03/2013 10:48

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-10'	**1310053-003A**	**Soil**	**10/02/2013 10:45**	**GC11A**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**270**	5.0	5	10/03/2013 14:21
TPH-Motor Oil (C18-C36)	**110**	25	5	10/03/2013 14:21

Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2
C9	115	70-130	10/03/2013 14:21

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NBOT-12.5	**1310053-004A**	**Soil**	**10/02/2013 07:40**	**GC6A**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/02/2013 19:12
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/02/2013 19:12

Surrogates	REC (%)	Limits	
C9	102	70-130	10/02/2013 19:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8015B
Date Prepared:	10/2/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SBOT-10	**1310053-005A**	**Soil**	**10/02/2013 08:17**	**GC6B**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/02/2013 22:49
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/02/2013 22:49
Surrogates	REC (%)	Limits		
C9	114	70-130		10/02/2013 22:49

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWALL-9'	**1310053-006A**	**Soil**	**10/02/2013 10:20**	**GC6B**	**82347**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/02/2013 21:36
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/02/2013 21:36
Surrogates	REC (%)	Limits		
C9	121	70-130		10/02/2013 21:36

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWWALL-10'	**1310053-007A**	**Soil**	**10/02/2013 10:35**	**GC6B**	**82376**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/02/2013 19:12
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/02/2013 19:12
Surrogates	REC (%)	Limits		
C9	121	70-130		10/02/2013 19:12

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NEWALL-10'	**1310053-008A**	**Soil**	**10/02/2013 10:40**	**GC11A**	**82376**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**330**	1.0	1	10/02/2013 16:59
TPH-Motor Oil (C18-C36)	**280**	5.0	1	10/02/2013 16:59
Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2	
C9	118	70-130		10/02/2013 16:59

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/2/13 11:57	**Analytical Method:**	SW8015B
Date Prepared:	10/2/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWALL-6'	**1310053-009A**	**Soil**	**10/02/2013 10:50**	**GC6B**	**82376**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/02/2013 20:24
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/02/2013 20:24
Surrogates	**REC (%)**	**Limits**		
C9	113	70-130		10/02/2013 20:24

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04812	0.0050	0.050	-	96.2	70-130
Benzene	ND	0.0455	0.0050	0.050	-	91	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2368	0.050	0.20	-	118	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04503	0.0050	0.050	-	90.1	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.04624	0.0040	0.050	-	92.5	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.04644	0.0040	0.050	-	92.9	70-130
1,1-Dichloroethene	ND	0.03772	0.0050	0.050	-	75.4	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/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	0.05123	0.0050	0.050	-	102	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04833	0.0050	0.050	-	96.7	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.05048	0.0050	0.050	-	101	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0481	0.0050	0.050	-	96.2	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0386	0.0050	0.050	-	77.2	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
dibromofluromethane	0.122	0.1229		0.12	98	98	70-130
toluene-d8	0.1279	0.1291		0.12	102	103	70-130
4-BFB	0.01295	0.01269		0.012	104	102	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/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
tert-Amyl methyl ether (TAME)	0.04383	0.04046	0.050	ND	87.7	80.9	56-94	8.01	30
Benzene	0.04014	0.03992	0.050	ND	80.3	79.8	60-106	0.551	30
t-Butyl alcohol (TBA)	0.2068	0.2111	0.20	ND	103	106	56-140	2.08	30
Chlorobenzene	0.03987	0.0397	0.050	ND	79.7	79.4	61-108	0.437	30
1,2-Dibromoethane (EDB)	0.04174	0.04098	0.050	ND	83.5	82	54-119	1.82	30
1,2-Dichloroethane (1,2-DCA)	0.04084	0.04029	0.050	ND	81.7	80.6	48-115	1.36	30
1,1-Dichloroethene	0.03306	0.03266	0.050	ND	66.1	65.3	46-111	1.20	30
Diisopropyl ether (DIPE)	0.04554	0.04524	0.050	ND	91.1	90.5	53-111	0.663	30
Ethyl tert-butyl ether (ETBE)	0.04355	0.04289	0.050	ND	87.1	85.8	61-104	1.53	30
Methyl-t-butyl ether (MTBE)	0.04492	0.04465	0.050	ND	89.8	89.3	58-107	0.597	30
Toluene	0.04208	0.04157	0.050	ND	84.2	83.1	64-114	1.22	30
Trichloroethene	0.03404	0.03359	0.050	ND	68.1	67.2	60-116	1.35	30
Surrogate Recovery									
dibromofluromethane	0.1219	0.1225	0.12		98	98	70-130	0	30
toluene-d8	0.1279	0.127	0.12		102	102	70-130	0	30
4-BFB	0.0128	0.01267	0.012		102	101	70-130	1.06	30

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/1/13	**BatchID:**	82348
Date Analyzed:	10/3/13	**Extraction Method**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82348 1310053-006AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.5908	0.40	0.60	-	98.5	70-130
MTBE	ND	0.07411	0.050	0.10	-	74.1	70-130
Benzene	ND	0.09986	0.0050	0.10	-	99.9	70-130
Toluene	ND	0.09697	0.0050	0.10	-	97	70-130
Ethylbenzene	ND	0.1099	0.0050	0.10	-	110	70-130
Xylenes	ND	0.3367	0.0050	0.30	-	112	70-130
Surrogate Recovery							
2-fluorotoluene	0.118	0.1152		0.10	118	115	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.5708	0.6003	0.60	ND	95.1	100	70-130	5.04	20
MTBE	0.08551	0.08347	0.10	ND	85.5	83.5	70-130	2.42	20
Benzene	0.1084	0.1085	0.10	ND	108	108	70-130	0	20
Toluene	0.1042	0.1037	0.10	ND	104	104	70-130	0	20
Ethylbenzene	0.1142	0.1156	0.10	ND	114	116	70-130	1.25	20
Xylenes	0.3591	0.3664	0.30	ND	120	122	70-130	2.02	20
Surrogate Recovery									
2-fluorotoluene	0.1244	0.1245	0.10		124	124	70-130	0	20

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82377
Date Analyzed:	10/3/13	**Extraction Method**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82377 1310053-009AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.5616	0.40	0.60	-	93.6	70-130
MTBE	ND	0.08119	0.050	0.10	-	81.2	70-130
Benzene	ND	0.1127	0.0050	0.10	-	113	70-130
Toluene	ND	0.1078	0.0050	0.10	-	108	70-130
Ethylbenzene	ND	0.1162	0.0050	0.10	-	116	70-130
Xylenes	ND	0.368	0.0050	0.30	-	123	70-130
Surrogate Recovery							
2-fluorotoluene	0.1233	0.1251		0.10	123	125	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6656	0.6204	0.60	ND	111	103	70-130	7.02	20
MTBE	0.08135	0.07919	0.10	ND	81.4	79.2	70-130	2.69	20
Benzene	0.1121	0.1111	0.10	ND	112	111	70-130	0.866	20
Toluene	0.1185	0.1177	0.10	ND	118	118	70-130	0	20
Ethylbenzene	0.1135	0.1116	0.10	ND	113	112	70-130	1.68	20
Xylenes	0.3591	0.3556	0.30	ND	120	119	70-130	0.966	20
Surrogate Recovery									
2-fluorotoluene	0.1064	0.108	0.10		106	108	70-130	1.40	20

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82395
Date Analyzed:	10/3/13	**Extraction Method**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82395 1310079-002AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.6198	0.40	0.60	-	103	70-130
MTBE	ND	0.0787	0.050	0.10	-	78.7	70-130
Benzene	ND	0.116	0.0050	0.10	-	116	70-130
Toluene	ND	0.121	0.0050	0.10	-	121	70-130
Ethylbenzene	ND	0.1193	0.0050	0.10	-	119	70-130
Xylenes	ND	0.3665	0.0050	0.30	-	122	70-130
Surrogate Recovery							
2-fluorotoluene	0.1145	0.1173		0.10	115	117	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR	0	470	NR	NR	-	NR	
MTBE	NR	NR	0	ND<76	NR	NR	-	NR	
Benzene	NR	NR	0	4.7	NR	NR	-	NR	
Toluene	NR	NR	0	7.1	NR	NR	-	NR	
Ethylbenzene	NR	NR	0	42	NR	NR	-	NR	
Xylenes	NR	NR	0	8.0	NR	NR	-	NR	
Surrogate Recovery									
2-fluorotoluene	NR	NR	0		NR	NR	-	NR	

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/1/13	**BatchID:**	82347
Date Analyzed:	10/3/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82347

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	39.38	1.0	40	-	98.4	70-130
Surrogate Recovery							
C9	26.16	21.37		25	105	85	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310053
Date Prepared:	10/2/13	**BatchID:**	82376
Date Analyzed:	10/2/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82376

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.03	1.0	40	-	103	70-130
Surrogate Recovery							
C9	22.95	22.59		25	92	90	70-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310053 **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:
PO: #WC084376
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.c

Requested TAT: 1 day

Date Received: **10/02/2013**
Date Printed: **10/03/2013**

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
1310053-001	SE Corner-10'	Soil	10/2/2013 10:15	☐	A	A	A	A								
1310053-002	WW-1-9'	Soil	10/2/2013 9:54	☐	A		A	A								
1310053-003	NWALL-10'	Soil	10/2/2013 10:45	☐	A		A	A								
1310053-004	NBOT-12.5	Soil	10/2/2013 7:40	☐	A			A								
1310053-005	SBOT-10	Soil	10/2/2013 8:17	☐	A			A								
1310053-006	SWALL-9'	Soil	10/2/2013 10:20	☐	A			A								
1310053-007	SWWALL-10'	Soil	10/2/2013 10:35	☐	A			A								
1310053-008	NEWALL-10'	Soil	10/2/2013 10:40	☐	A		A	A								
1310053-009	NWALL-6'	Soil	10/2/2013 10:50	☐	A			A								

Test Legend:

1	8260B_S	2	PREDF REPORT	3	PRMISC	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A contain testgroup.

Prepared by: Maria Venegas

Comments: Same Day/24hr; -001, -002, -003 & -008 rr @ lower DF for PCE per request

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.

1310053

Same Day

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

RUSH

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

EDF Required? ■ Yes ☐ No PDF Required? ■ Yes ☐ No

Report To: Jeremy Smith Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC084376 Global ID: T0600100655

E-Mail: jasmith@aeiconsultatns.com

Telephone: (925) 746-6000, ext 1128 Fax: (925) 746-6099

AEI Project No. 298931 Project Name: FSI

Project Location: 1630 Park St., Alameda, CA 94501

Sampler Signature: [signature]

SAMPLE ID	FIELD POINT NAME	Date	Time	# of Containers	Type Containers	Matrix: Water	Soil	Air	Sludge	Other	Preserved: Ice	HCL	HNO3	Other	TPH-G (EPA 8015 M)	TPH-D / TPH-MO (EPA 8015 M w/ Silica Gel Clean-up)	BTEX, MTBE (EPA 8260B)	VOCs 8260B	HOLD	Other: *Samples have elevated hydrocarbon and solvents	Other: Please use lowest detection limit of PCE possible	Comments
SE Corner-10'		10-2-13	1015	1	Liner		X				X				X	X		X		X	X	
WW-1-9'		↓	954	↓	↓		↓				↓				X	X		X		X	X	
~~[crossed out]~~ NWALL-10'			1045												X	X		X		X	X	
NBOT-12.5			740	1	Lin		X				X				X	X		X			X	
SBOT-10			8:17	1			X				X				X	X		X			X	
SWALL-9'			10:20	1			X				X				X	X		X			X	
SWWALL-10'		1035	~~1030~~	1			X				X				X	X		X			X	
NEWALL-10'			1040	1			X				X				X	X		X		X	X	
NWALL-6'			1050	1	↓		X				X				X	X		X			X	

First three samples: Same Day. 24 HR (TPH). Remaining samples: 24 HR.

Relinquished By:	Date:	Time:	Received By:
[signature]	10-2-13	1145	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.4

GOOD CONDITION ✓

HEAD SPACE ABSENT ____

DECHLORINATED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION				

APPROPRIATE CONTAINERS ✓

PERSERVED IN LAB ____

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Sample Receipt Checklist

Client Name: **AEI Consultants** Date and Time Received: **10/2/2013 11:57:43 AM**

Project Name: **#298931; FSI** LogIn Reviewed by: Maria Venegas

WorkOrder N°: **1310053** Matrix: Soil 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 ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310060

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.:
Project Name: #298931; FSI

Project Received: 10/02/2013

Analytical Report reviewed & approved for release on 10/03/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #298931; FSI
WorkOrder: 1310060

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
d2	heavier gasoline range compounds are significant (aged gasoline?)
e4	gasoline range compounds are significant.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 14:29	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWW-11-10'	**1310060-001A**	**Soil**	**10/02/2013 12:10**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/02/2013 23:45
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/02/2013 23:45
Benzene	ND	0.0050	1	10/02/2013 23:45
Bromobenzene	ND	0.0050	1	10/02/2013 23:45
Bromochloromethane	ND	0.0050	1	10/02/2013 23:45
Bromodichloromethane	ND	0.0050	1	10/02/2013 23:45
Bromoform	ND	0.0050	1	10/02/2013 23:45
Bromomethane	ND	0.0050	1	10/02/2013 23:45
2-Butanone (MEK)	ND	0.020	1	10/02/2013 23:45
t-Butyl alcohol (TBA)	ND	0.050	1	10/02/2013 23:45
n-Butyl benzene	**0.020**	0.0050	1	10/02/2013 23:45
sec-Butyl benzene	ND	0.0050	1	10/02/2013 23:45
tert-Butyl benzene	ND	0.0050	1	10/02/2013 23:45
Carbon Disulfide	ND	0.0050	1	10/02/2013 23:45
Carbon Tetrachloride	ND	0.0050	1	10/02/2013 23:45
Chlorobenzene	ND	0.0050	1	10/02/2013 23:45
Chloroethane	ND	0.0050	1	10/02/2013 23:45
Chloroform	ND	0.0050	1	10/02/2013 23:45
Chloromethane	ND	0.0050	1	10/02/2013 23:45
2-Chlorotoluene	ND	0.0050	1	10/02/2013 23:45
4-Chlorotoluene	ND	0.0050	1	10/02/2013 23:45
Dibromochloromethane	ND	0.0050	1	10/02/2013 23:45
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/02/2013 23:45
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/02/2013 23:45
Dibromomethane	ND	0.0050	1	10/02/2013 23:45
1,2-Dichlorobenzene	ND	0.0050	1	10/02/2013 23:45
1,3-Dichlorobenzene	ND	0.0050	1	10/02/2013 23:45
1,4-Dichlorobenzene	ND	0.0050	1	10/02/2013 23:45
Dichlorodifluoromethane	ND	0.0050	1	10/02/2013 23:45
1,1-Dichloroethane	ND	0.0050	1	10/02/2013 23:45
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/02/2013 23:45
1,1-Dichloroethene	ND	0.0050	1	10/02/2013 23:45
cis-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 23:45
trans-1,2-Dichloroethene	ND	0.0050	1	10/02/2013 23:45
1,2-Dichloropropane	ND	0.0050	1	10/02/2013 23:45
1,3-Dichloropropane	ND	0.0050	1	10/02/2013 23:45
2,2-Dichloropropane	ND	0.0050	1	10/02/2013 23:45
1,1-Dichloropropene	ND	0.0050	1	10/02/2013 23:45

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/2/13 14:29	**Analytical Method:**	SW8260B
Date Prepared:	10/2/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWW-11-10'	**1310060-001A**	**Soil**	**10/02/2013 12:10**	**GC16**	**82363**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 23:45
trans-1,3-Dichloropropene	ND	0.0050	1	10/02/2013 23:45
Diisopropyl ether (DIPE)	ND	0.0050	1	10/02/2013 23:45
Ethylbenzene	ND	0.0050	1	10/02/2013 23:45
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/02/2013 23:45
Freon 113	ND	0.10	1	10/02/2013 23:45
Hexachlorobutadiene	ND	0.0050	1	10/02/2013 23:45
Hexachloroethane	ND	0.0050	1	10/02/2013 23:45
2-Hexanone	ND	0.0050	1	10/02/2013 23:45
Isopropylbenzene	ND	0.0050	1	10/02/2013 23:45
4-Isopropyl toluene	ND	0.0050	1	10/02/2013 23:45
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/02/2013 23:45
Methylene chloride	ND	0.0050	1	10/02/2013 23:45
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/02/2013 23:45
Naphthalene	**0.025**	0.0050	1	10/02/2013 23:45
n-Propyl benzene	ND	0.0050	1	10/02/2013 23:45
Styrene	ND	0.0050	1	10/02/2013 23:45
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 23:45
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/02/2013 23:45
Tetrachloroethene	ND	0.0050	1	10/02/2013 23:45
Toluene	ND	0.0050	1	10/02/2013 23:45
1,2,3-Trichlorobenzene	ND	0.0050	1	10/02/2013 23:45
1,2,4-Trichlorobenzene	ND	0.0050	1	10/02/2013 23:45
1,1,1-Trichloroethane	ND	0.0050	1	10/02/2013 23:45
1,1,2-Trichloroethane	ND	0.0050	1	10/02/2013 23:45
Trichloroethene	ND	0.0050	1	10/02/2013 23:45
Trichlorofluoromethane	ND	0.0050	1	10/02/2013 23:45
1,2,3-Trichloropropane	ND	0.0050	1	10/02/2013 23:45
1,2,4-Trimethylbenzene	**0.14**	0.0050	1	10/02/2013 23:45
1,3,5-Trimethylbenzene	**0.036**	0.0050	1	10/02/2013 23:45
Vinyl Chloride	ND	0.0050	1	10/02/2013 23:45
Xylenes, Total	**0.024**	0.0050	1	10/02/2013 23:45

Surrogates	REC (%)	Limits	
dibromofluromethane	97	70-130	10/02/2013 23:45
toluene-d8	100	70-130	10/02/2013 23:45
4-BFB	93	70-130	10/02/2013 23:45

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/2/13 14:29	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/2/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWW-11-10'	**1310060-001A**	**Soil**	**10/02/2013 12:10**	**GC7**	**82377**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1.5**	1.0	1	10/03/2013 02:56
MTBE	ND	0.050	1	10/03/2013 02:56
Benzene	ND	0.0050	1	10/03/2013 02:56
Toluene	ND	0.0050	1	10/03/2013 02:56
Ethylbenzene	ND	0.0050	1	10/03/2013 02:56
Xylenes	**0.037**	0.0050	1	10/03/2013 02:56

Surrogates	REC (%)	Limits	Analytical Comments: d2	
2-fluorotoluene	113	70-130		10/03/2013 02:56

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/2/13 14:29	**Analytical Method:**	SW8015B
Date Prepared:	10/2/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NWW-11-10'	**1310060-001A**	**Soil**	**10/02/2013 12:10**	**GC6A**	**82376**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.3**	1.0	1	10/03/2013 00:01
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/03/2013 00:01

Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	98	70-130		10/03/2013 00:01

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04812	0.0050	0.050	-	96.2	70-130
Benzene	ND	0.0455	0.0050	0.050	-	91	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2368	0.050	0.20	-	118	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04503	0.0050	0.050	-	90.1	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.04624	0.0040	0.050	-	92.5	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.04644	0.0040	0.050	-	92.9	70-130
1,1-Dichloroethene	ND	0.03772	0.0050	0.050	-	75.4	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/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	0.05123	0.0050	0.050	-	102	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04833	0.0050	0.050	-	96.7	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.05048	0.0050	0.050	-	101	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0481	0.0050	0.050	-	96.2	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0386	0.0050	0.050	-	77.2	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
dibromofluromethane	0.122	0.1229		0.12	98	98	70-130
toluene-d8	0.1279	0.1291		0.12	102	103	70-130
4-BFB	0.01295	0.01269		0.012	104	102	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Date Prepared:	10/2/13	**BatchID:**	82363
Date Analyzed:	10/2/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82363 1310044-001AMS/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
tert-Amyl methyl ether (TAME)	0.04383	0.04046	0.050	ND	87.7	80.9	56-94	8.01	30
Benzene	0.04014	0.03992	0.050	ND	80.3	79.8	60-106	0.551	30
t-Butyl alcohol (TBA)	0.2068	0.2111	0.20	ND	103	106	56-140	2.08	30
Chlorobenzene	0.03987	0.0397	0.050	ND	79.7	79.4	61-108	0.437	30
1,2-Dibromoethane (EDB)	0.04174	0.04098	0.050	ND	83.5	82	54-119	1.82	30
1,2-Dichloroethane (1,2-DCA)	0.04084	0.04029	0.050	ND	81.7	80.6	48-115	1.36	30
1,1-Dichloroethene	0.03306	0.03266	0.050	ND	66.1	65.3	46-111	1.20	30
Diisopropyl ether (DIPE)	0.04554	0.04524	0.050	ND	91.1	90.5	53-111	0.663	30
Ethyl tert-butyl ether (ETBE)	0.04355	0.04289	0.050	ND	87.1	85.8	61-104	1.53	30
Methyl-t-butyl ether (MTBE)	0.04492	0.04465	0.050	ND	89.8	89.3	58-107	0.597	30
Toluene	0.04208	0.04157	0.050	ND	84.2	83.1	64-114	1.22	30
Trichloroethene	0.03404	0.03359	0.050	ND	68.1	67.2	60-116	1.35	30
Surrogate Recovery									
dibromofluromethane	0.1219	0.1225	0.12		98	98	70-130	0	30
toluene-d8	0.1279	0.127	0.12		102	102	70-130	0	30
4-BFB	0.0128	0.01267	0.012		102	101	70-130	1.06	30

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Date Prepared:	10/2/13	**BatchID:**	82377
Date Analyzed:	10/3/13	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82377 1310053-009AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.5616	0.40	0.60	-	93.6	70-130
MTBE	ND	0.08119	0.050	0.10	-	81.2	70-130
Benzene	ND	0.1127	0.0050	0.10	-	113	70-130
Toluene	ND	0.1078	0.0050	0.10	-	108	70-130
Ethylbenzene	ND	0.1162	0.0050	0.10	-	116	70-130
Xylenes	ND	0.368	0.0050	0.30	-	123	70-130
Surrogate Recovery							
2-fluorotoluene	0.1233	0.1251		0.10	123	125	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6656	0.6204	0.60	ND	111	103	70-130	7.02	20
MTBE	0.08135	0.07919	0.10	ND	81.4	79.2	70-130	2.69	20
Benzene	0.1121	0.1111	0.10	ND	112	111	70-130	0.866	20
Toluene	0.1185	0.1177	0.10	ND	118	118	70-130	0	20
Ethylbenzene	0.1135	0.1116	0.10	ND	113	112	70-130	1.68	20
Xylenes	0.3591	0.3556	0.30	ND	120	119	70-130	0.966	20
Surrogate Recovery									
2-fluorotoluene	0.1064	0.108	0.10		106	108	70-130	1.40	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310060
Date Prepared:	10/2/13	**BatchID:**	82376
Date Analyzed:	10/2/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82376

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.03	1.0	40	-	103	70-130
Surrogate Recovery							
C9	22.95	22.59		25	92	90	70-130

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310060 **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:
PO:
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 1 day

Date Received: **10/02/2013**
Date Printed: **10/02/2013**

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
1310060-001	NWW-11-10'	Soil	10/2/2013 12:10	☐	A	A										

Test Legend:

1	8260B_S	2	TPH(DMO)WSG_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains 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.

RUSH 1310060

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

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

EDF Required? ■ Yes ☐ No PDF Required? ■ Yes ☐ No

Report To: Jeremy Smith Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC0843 77 Global ID: T0600100655

E-Mail: jasmith@aeiconsultatns.com

Telephone: (925) 746-6000, ext. 1128 Fax: (925) 746-6099

AEI Project No. 298931 Project Name: FSI

Project Location: 1630 Park St., Alameda, CA 94501

Sampler Signature: [signature]

SAMPLE ID	FIELD POINT NAME	SAMPLING Date	SAMPLING Time	# of 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	Analysis Request: TPH-G (EPA 8015 M)	Analysis Request: TPH-D / TPH-MO (EPA 8015 M w/ Silica Gel Clean-up)	Analysis Request: BTEX, MTBE (EPA 8260B)	Analysis Request: VOCs 8260	Analysis Request: HOLD	Other	Comments
NW well-10'		10/2/13	12:10	1	STL		X				X				X	X		X			

Relinquished By:	Date:	Time:	Received By:
Andrew Wallace	10/2/13	2:30	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.4 VOAS | O&G | METALS | OTHER

GOOD CONDITION_____ PRESERVATION APPROPRIATE_____

HEAD SPACE ABSENT_____ CONTAINERS_____

DECHLORINATED IN LAB_____ PERSERVED IN LAB_____

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **10/2/2013 2:29:01 PM**
Project Name: **#298931; FSI**
LogIn Reviewed by: Jena Alfaro
WorkOrder N°: **1310060** Matrix: Soil
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 ☐	
Container/Temp Blank temperature	Cooler Temp: 5.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310146

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Andrew Wallace
Project P.O.: #WC084378
Project Name: #298931; 1630 Park St. Alameda

Project Received: 10/04/2013

Analytical Report reviewed & approved for release on 10/07/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #298931; 1630 Park St. Alameda
WorkOrder: 1310146

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
S	spike recovery outside accepted recovery limits
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

Quality Control Qualifier	
F2	LCS recovery for this compound is outside of acceptance limits.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
N Wall2-10'	**1310146-001A**	**Soil**	**10/04/2013 07:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	100	1000	10/04/2013 13:29
tert-Amyl methyl ether (TAME)	ND	5.0	1000	10/04/2013 13:29
Benzene	ND	5.0	1000	10/04/2013 13:29
Bromobenzene	ND	5.0	1000	10/04/2013 13:29
Bromochloromethane	ND	5.0	1000	10/04/2013 13:29
Bromodichloromethane	ND	5.0	1000	10/04/2013 13:29
Bromoform	ND	5.0	1000	10/04/2013 13:29
Bromomethane	ND	5.0	1000	10/04/2013 13:29
2-Butanone (MEK)	ND	20	1000	10/04/2013 13:29
t-Butyl alcohol (TBA)	ND	50	1000	10/04/2013 13:29
n-Butyl benzene	**9.1**	5.0	1000	10/04/2013 13:29
sec-Butyl benzene	ND	5.0	1000	10/04/2013 13:29
tert-Butyl benzene	ND	5.0	1000	10/04/2013 13:29
Carbon Disulfide	ND	5.0	1000	10/04/2013 13:29
Carbon Tetrachloride	ND	5.0	1000	10/04/2013 13:29
Chlorobenzene	ND	5.0	1000	10/04/2013 13:29
Chloroethane	ND	5.0	1000	10/04/2013 13:29
Chloroform	ND	5.0	1000	10/04/2013 13:29
Chloromethane	ND	5.0	1000	10/04/2013 13:29
2-Chlorotoluene	ND	5.0	1000	10/04/2013 13:29
4-Chlorotoluene	ND	5.0	1000	10/04/2013 13:29
Dibromochloromethane	ND	5.0	1000	10/04/2013 13:29
1,2-Dibromo-3-chloropropane	ND	4.0	1000	10/04/2013 13:29
1,2-Dibromoethane (EDB)	ND	4.0	1000	10/04/2013 13:29
Dibromomethane	ND	5.0	1000	10/04/2013 13:29
1,2-Dichlorobenzene	ND	5.0	1000	10/04/2013 13:29
1,3-Dichlorobenzene	ND	5.0	1000	10/04/2013 13:29
1,4-Dichlorobenzene	ND	5.0	1000	10/04/2013 13:29
Dichlorodifluoromethane	ND	5.0	1000	10/04/2013 13:29
1,1-Dichloroethane	ND	5.0	1000	10/04/2013 13:29
1,2-Dichloroethane (1,2-DCA)	ND	4.0	1000	10/04/2013 13:29
1,1-Dichloroethene	ND	5.0	1000	10/04/2013 13:29
cis-1,2-Dichloroethene	ND	5.0	1000	10/04/2013 13:29
trans-1,2-Dichloroethene	ND	5.0	1000	10/04/2013 13:29
1,2-Dichloropropane	ND	5.0	1000	10/04/2013 13:29
1,3-Dichloropropane	ND	5.0	1000	10/04/2013 13:29
2,2-Dichloropropane	ND	5.0	1000	10/04/2013 13:29
1,1-Dichloropropene	ND	5.0	1000	10/04/2013 13:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
N Wall2-10'	**1310146-001A**	**Soil**	**10/04/2013 07:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.0	1000	10/04/2013 13:29
trans-1,3-Dichloropropene	ND	5.0	1000	10/04/2013 13:29
Diisopropyl ether (DIPE)	ND	5.0	1000	10/04/2013 13:29
Ethylbenzene	**25**	5.0	1000	10/04/2013 13:29
Ethyl tert-butyl ether (ETBE)	ND	5.0	1000	10/04/2013 13:29
Freon 113	ND	100	1000	10/04/2013 13:29
Hexachlorobutadiene	ND	5.0	1000	10/04/2013 13:29
Hexachloroethane	ND	5.0	1000	10/04/2013 13:29
2-Hexanone	ND	5.0	1000	10/04/2013 13:29
Isopropylbenzene	ND	5.0	1000	10/04/2013 13:29
4-Isopropyl toluene	ND	5.0	1000	10/04/2013 13:29
Methyl-t-butyl ether (MTBE)	ND	5.0	1000	10/04/2013 13:29
Methylene chloride	ND	5.0	1000	10/04/2013 13:29
4-Methyl-2-pentanone (MIBK)	ND	5.0	1000	10/04/2013 13:29
Naphthalene	**12**	5.0	1000	10/04/2013 13:29
n-Propyl benzene	**9.8**	5.0	1000	10/04/2013 13:29
Styrene	ND	5.0	1000	10/04/2013 13:29
1,1,1,2-Tetrachloroethane	ND	5.0	1000	10/04/2013 13:29
1,1,2,2-Tetrachloroethane	ND	5.0	1000	10/04/2013 13:29
Tetrachloroethene	ND	5.0	1000	10/04/2013 13:29
Toluene	**17**	5.0	1000	10/04/2013 13:29
1,2,3-Trichlorobenzene	ND	5.0	1000	10/04/2013 13:29
1,2,4-Trichlorobenzene	ND	5.0	1000	10/04/2013 13:29
1,1,1-Trichloroethane	ND	5.0	1000	10/04/2013 13:29
1,1,2-Trichloroethane	ND	5.0	1000	10/04/2013 13:29
Trichloroethene	ND	5.0	1000	10/04/2013 13:29
Trichlorofluoromethane	ND	5.0	1000	10/04/2013 13:29
1,2,3-Trichloropropane	ND	5.0	1000	10/04/2013 13:29
1,2,4-Trimethylbenzene	**66**	5.0	1000	10/04/2013 13:29
1,3,5-Trimethylbenzene	**20**	5.0	1000	10/04/2013 13:29
Vinyl Chloride	ND	5.0	1000	10/04/2013 13:29
Xylenes, Total	**110**	5.0	1000	10/04/2013 13:29

Surrogates	REC (%)	Limits	
dibromofluromethane	99	70-130	10/04/2013 13:29
toluene-d8	95	70-130	10/04/2013 13:29
4-BFB	89	70-130	10/04/2013 13:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-10'	**1310146-002A**	**Soil**	**10/04/2013 08:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	400	4000	10/04/2013 15:37
tert-Amyl methyl ether (TAME)	ND	20	4000	10/04/2013 15:37
Benzene	**29**	20	4000	10/04/2013 15:37
Bromobenzene	ND	20	4000	10/04/2013 15:37
Bromochloromethane	ND	20	4000	10/04/2013 15:37
Bromodichloromethane	ND	20	4000	10/04/2013 15:37
Bromoform	ND	20	4000	10/04/2013 15:37
Bromomethane	ND	20	4000	10/04/2013 15:37
2-Butanone (MEK)	ND	80	4000	10/04/2013 15:37
t-Butyl alcohol (TBA)	ND	200	4000	10/04/2013 15:37
n-Butyl benzene	**37**	20	4000	10/04/2013 15:37
sec-Butyl benzene	ND	20	4000	10/04/2013 15:37
tert-Butyl benzene	ND	20	4000	10/04/2013 15:37
Carbon Disulfide	ND	20	4000	10/04/2013 15:37
Carbon Tetrachloride	ND	20	4000	10/04/2013 15:37
Chlorobenzene	ND	20	4000	10/04/2013 15:37
Chloroethane	ND	20	4000	10/04/2013 15:37
Chloroform	ND	20	4000	10/04/2013 15:37
Chloromethane	ND	20	4000	10/04/2013 15:37
2-Chlorotoluene	ND	20	4000	10/04/2013 15:37
4-Chlorotoluene	ND	20	4000	10/04/2013 15:37
Dibromochloromethane	ND	20	4000	10/04/2013 15:37
1,2-Dibromo-3-chloropropane	ND	16	4000	10/04/2013 15:37
1,2-Dibromoethane (EDB)	ND	16	4000	10/04/2013 15:37
Dibromomethane	ND	20	4000	10/04/2013 15:37
1,2-Dichlorobenzene	ND	20	4000	10/04/2013 15:37
1,3-Dichlorobenzene	ND	20	4000	10/04/2013 15:37
1,4-Dichlorobenzene	ND	20	4000	10/04/2013 15:37
Dichlorodifluoromethane	ND	20	4000	10/04/2013 15:37
1,1-Dichloroethane	ND	20	4000	10/04/2013 15:37
1,2-Dichloroethane (1,2-DCA)	ND	16	4000	10/04/2013 15:37
1,1-Dichloroethene	ND	20	4000	10/04/2013 15:37
cis-1,2-Dichloroethene	ND	20	4000	10/04/2013 15:37
trans-1,2-Dichloroethene	ND	20	4000	10/04/2013 15:37
1,2-Dichloropropane	ND	20	4000	10/04/2013 15:37
1,3-Dichloropropane	ND	20	4000	10/04/2013 15:37
2,2-Dichloropropane	ND	20	4000	10/04/2013 15:37
1,1-Dichloropropene	ND	20	4000	10/04/2013 15:37

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-10'	**1310146-002A**	**Soil**	**10/04/2013 08:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	20	4000	10/04/2013 15:37
trans-1,3-Dichloropropene	ND	20	4000	10/04/2013 15:37
Diisopropyl ether (DIPE)	ND	20	4000	10/04/2013 15:37
Ethylbenzene	**150**	20	4000	10/04/2013 15:37
Ethyl tert-butyl ether (ETBE)	ND	20	4000	10/04/2013 15:37
Freon 113	ND	400	4000	10/04/2013 15:37
Hexachlorobutadiene	ND	20	4000	10/04/2013 15:37
Hexachloroethane	ND	20	4000	10/04/2013 15:37
2-Hexanone	ND	20	4000	10/04/2013 15:37
Isopropylbenzene	ND	20	4000	10/04/2013 15:37
4-Isopropyl toluene	ND	20	4000	10/04/2013 15:37
Methyl-t-butyl ether (MTBE)	ND	20	4000	10/04/2013 15:37
Methylene chloride	ND	20	4000	10/04/2013 15:37
4-Methyl-2-pentanone (MIBK)	ND	20	4000	10/04/2013 15:37
Naphthalene	**59**	20	4000	10/04/2013 15:37
n-Propyl benzene	**45**	20	4000	10/04/2013 15:37
Styrene	ND	20	4000	10/04/2013 15:37
1,1,1,2-Tetrachloroethane	ND	20	4000	10/04/2013 15:37
1,1,2,2-Tetrachloroethane	ND	20	4000	10/04/2013 15:37
Tetrachloroethene	ND	20	4000	10/04/2013 15:37
Toluene	**350**	20	4000	10/04/2013 15:37
1,2,3-Trichlorobenzene	ND	20	4000	10/04/2013 15:37
1,2,4-Trichlorobenzene	ND	20	4000	10/04/2013 15:37
1,1,1-Trichloroethane	ND	20	4000	10/04/2013 15:37
1,1,2-Trichloroethane	ND	20	4000	10/04/2013 15:37
Trichloroethene	ND	20	4000	10/04/2013 15:37
Trichlorofluoromethane	ND	20	4000	10/04/2013 15:37
1,2,3-Trichloropropane	ND	20	4000	10/04/2013 15:37
1,2,4-Trimethylbenzene	**270**	20	4000	10/04/2013 15:37
1,3,5-Trimethylbenzene	**85**	20	4000	10/04/2013 15:37
Vinyl Chloride	ND	20	4000	10/04/2013 15:37
Xylenes, Total	**680**	20	4000	10/04/2013 15:37

Surrogates	REC (%)	Limits	
dibromofluromethane	99	70-130	10/04/2013 15:37
toluene-d8	94	70-130	10/04/2013 15:37
4-BFB	92	70-130	10/04/2013 15:37

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-6'	**1310146-003A**	**Soil**	**10/04/2013 08:00**	**GC16**	**82495**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/04/2013 12:46
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/04/2013 12:46
Benzene	ND	0.0050	1	10/04/2013 12:46
Bromobenzene	ND	0.0050	1	10/04/2013 12:46
Bromochloromethane	ND	0.0050	1	10/04/2013 12:46
Bromodichloromethane	ND	0.0050	1	10/04/2013 12:46
Bromoform	ND	0.0050	1	10/04/2013 12:46
Bromomethane	ND	0.0050	1	10/04/2013 12:46
2-Butanone (MEK)	ND	0.020	1	10/04/2013 12:46
t-Butyl alcohol (TBA)	ND	0.050	1	10/04/2013 12:46
n-Butyl benzene	ND	0.0050	1	10/04/2013 12:46
sec-Butyl benzene	ND	0.0050	1	10/04/2013 12:46
tert-Butyl benzene	ND	0.0050	1	10/04/2013 12:46
Carbon Disulfide	ND	0.0050	1	10/04/2013 12:46
Carbon Tetrachloride	ND	0.0050	1	10/04/2013 12:46
Chlorobenzene	ND	0.0050	1	10/04/2013 12:46
Chloroethane	ND	0.0050	1	10/04/2013 12:46
Chloroform	ND	0.0050	1	10/04/2013 12:46
Chloromethane	ND	0.0050	1	10/04/2013 12:46
2-Chlorotoluene	ND	0.0050	1	10/04/2013 12:46
4-Chlorotoluene	ND	0.0050	1	10/04/2013 12:46
Dibromochloromethane	ND	0.0050	1	10/04/2013 12:46
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/04/2013 12:46
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/04/2013 12:46
Dibromomethane	ND	0.0050	1	10/04/2013 12:46
1,2-Dichlorobenzene	ND	0.0050	1	10/04/2013 12:46
1,3-Dichlorobenzene	ND	0.0050	1	10/04/2013 12:46
1,4-Dichlorobenzene	ND	0.0050	1	10/04/2013 12:46
Dichlorodifluoromethane	ND	0.0050	1	10/04/2013 12:46
1,1-Dichloroethane	ND	0.0050	1	10/04/2013 12:46
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/04/2013 12:46
1,1-Dichloroethene	ND	0.0050	1	10/04/2013 12:46
cis-1,2-Dichloroethene	ND	0.0050	1	10/04/2013 12:46
trans-1,2-Dichloroethene	ND	0.0050	1	10/04/2013 12:46
1,2-Dichloropropane	ND	0.0050	1	10/04/2013 12:46
1,3-Dichloropropane	ND	0.0050	1	10/04/2013 12:46
2,2-Dichloropropane	ND	0.0050	1	10/04/2013 12:46
1,1-Dichloropropene	ND	0.0050	1	10/04/2013 12:46

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8260B
Date Prepared:	10/4/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-6'	**1310146-003A**	**Soil**	**10/04/2013 08:00**	**GC16**	**82495**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/04/2013 12:46
trans-1,3-Dichloropropene	ND	0.0050	1	10/04/2013 12:46
Diisopropyl ether (DIPE)	ND	0.0050	1	10/04/2013 12:46
Ethylbenzene	ND	0.0050	1	10/04/2013 12:46
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/04/2013 12:46
Freon 113	ND	0.10	1	10/04/2013 12:46
Hexachlorobutadiene	ND	0.0050	1	10/04/2013 12:46
Hexachloroethane	ND	0.0050	1	10/04/2013 12:46
2-Hexanone	ND	0.0050	1	10/04/2013 12:46
Isopropylbenzene	ND	0.0050	1	10/04/2013 12:46
4-Isopropyl toluene	ND	0.0050	1	10/04/2013 12:46
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/04/2013 12:46
Methylene chloride	ND	0.0050	1	10/04/2013 12:46
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/04/2013 12:46
Naphthalene	ND	0.0050	1	10/04/2013 12:46
n-Propyl benzene	ND	0.0050	1	10/04/2013 12:46
Styrene	ND	0.0050	1	10/04/2013 12:46
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/04/2013 12:46
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/04/2013 12:46
Tetrachloroethene	**0.045**	0.0050	1	10/04/2013 12:46
Toluene	ND	0.0050	1	10/04/2013 12:46
1,2,3-Trichlorobenzene	ND	0.0050	1	10/04/2013 12:46
1,2,4-Trichlorobenzene	ND	0.0050	1	10/04/2013 12:46
1,1,1-Trichloroethane	ND	0.0050	1	10/04/2013 12:46
1,1,2-Trichloroethane	ND	0.0050	1	10/04/2013 12:46
Trichloroethene	ND	0.0050	1	10/04/2013 12:46
Trichlorofluoromethane	ND	0.0050	1	10/04/2013 12:46
1,2,3-Trichloropropane	ND	0.0050	1	10/04/2013 12:46
1,2,4-Trimethylbenzene	ND	0.0050	1	10/04/2013 12:46
1,3,5-Trimethylbenzene	ND	0.0050	1	10/04/2013 12:46
Vinyl Chloride	ND	0.0050	1	10/04/2013 12:46
Xylenes, Total	**0.0062**	0.0050	1	10/04/2013 12:46

Surrogates	REC (%)	Limits	
dibromofluromethane	95	70-130	10/04/2013 12:46
toluene-d8	104	70-130	10/04/2013 12:46
4-BFB	110	70-130	10/04/2013 12:46

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW5030B
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/4/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
N Wall2-10'	**1310146-001A**	**Soil**	**10/04/2013 07:20**	**GC19**	**82472**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**890**	100	100	10/04/2013 15:24
MTBE	**---**	5.0	100	10/04/2013 15:24
Benzene	**---**	0.50	100	10/04/2013 15:24
Toluene	**---**	0.50	100	10/04/2013 15:24
Ethylbenzene	**---**	0.50	100	10/04/2013 15:24
Xylenes	**---**	0.50	100	10/04/2013 15:24

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4
2-fluorotoluene	428	S	70-130	10/04/2013 15:24

NE Wall2-10'	1310146-002A	Soil	10/04/2013 08:00	GC19	82472

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**3300**	1000	1000	10/04/2013 13:53
MTBE	**---**	50	1000	10/04/2013 13:53
Benzene	**---**	5.0	1000	10/04/2013 13:53
Toluene	**---**	5.0	1000	10/04/2013 13:53
Ethylbenzene	**---**	5.0	1000	10/04/2013 13:53
Xylenes	**---**	5.0	1000	10/04/2013 13:53

Surrogates	REC (%)	Limits	Analytical Comments: d1	
2-fluorotoluene	90	70-130		10/04/2013 13:53

NE Wall2-6'	1310146-003A	Soil	10/04/2013 08:00	GC7	82472

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/04/2013 18:12
MTBE	**---**	0.050	1	10/04/2013 18:12
Benzene	**---**	0.0050	1	10/04/2013 18:12
Toluene	**---**	0.0050	1	10/04/2013 18:12
Ethylbenzene	**---**	0.0050	1	10/04/2013 18:12
Xylenes	**---**	0.0050	1	10/04/2013 18:12

Surrogates	REC (%)	Limits	
aaa-TFT	121	70-130	10/04/2013 18:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Project:	#298931; 1630 Park St. Alameda	**Extraction Method**	SW3550B/3630C
Date Received:	10/4/13 9:48	**Analytical Method:**	SW8015B
Date Prepared:	10/4/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
N Wall2-10'	**1310146-001A**	**Soil**	**10/04/2013 07:20**	**GC11A**	**82479**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**230**	10	10	10/05/2013 09:37
TPH-Motor Oil (C18-C36)	**88**	50	10	10/05/2013 09:37

Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2
C9	115	70-130	10/05/2013 09:37

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-10'	**1310146-002A**	**Soil**	**10/04/2013 08:00**	**GC11A**	**82479**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2500**	10	10	10/05/2013 06:11
TPH-Motor Oil (C18-C36)	**2200**	50	10	10/05/2013 06:11

Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2
C9	119	70-130	10/05/2013 06:11

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
NE Wall2-6'	**1310146-003A**	**Soil**	**10/04/2013 08:00**	**GC11A**	**82479**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2300**	200	200	10/07/2013 12:25
TPH-Motor Oil (C18-C36)	**8500**	1000	200	10/07/2013 12:25

Surrogates	REC (%)	Limits	Analytical Comments: e7,e2
C9	88	70-130	10/07/2013 12:25

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/3/13	**BatchID:**	82464
Date Analyzed:	10/4/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82464

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.046	0.0050	0.050	-	92	70-130
Benzene	ND	0.04478	0.0050	0.050	-	89.6	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2204	0.050	0.20	-	110	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04431	0.0050	0.050	-	88.6	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.04578	0.0040	0.050	-	91.6	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.04416	0.0040	0.050	-	88.3	70-130
1,1-Dichloroethene	ND	0.03695	0.0050	0.050	-	73.9	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/3/13	**BatchID:**	82464
Date Analyzed:	10/4/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82464

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.05017	0.0050	0.050	-	100	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04686	0.0050	0.050	-	93.7	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.04869	0.0050	0.050	-	97.4	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0465	0.0050	0.050	-	93	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.03893	0.0050	0.050	-	77.9	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
dibromofluromethane	0.1186	0.1216		0.12	95	97	70-130
toluene-d8	0.1283	0.1274		0.12	103	102	70-130
4-BFB	0.01282	0.01205		0.012	103	96	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/4/13	**BatchID:**	82495
Date Analyzed:	10/7/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82495

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04315	0.0050	0.050	-	86.3	70-130
Benzene	ND	0.04088	0.0050	0.050	-	81.8	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2002	0.050	0.20	-	100	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04425	0.0050	0.050	-	88.5	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.04429	0.0040	0.050	-	88.6	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.04405	0.0040	0.050	-	88.1	70-130
1,1-Dichloroethene	ND	0.03447	0.0050	0.050	-	68.9, F2	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/4/13	**BatchID:**	82495
Date Analyzed:	10/7/13	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82495

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.04539	0.0050	0.050	-	90.8	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04354	0.0050	0.050	-	87.1	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.04578	0.0050	0.050	-	91.6	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.04475	0.0050	0.050	-	89.5	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.03831	0.0050	0.050	-	76.6	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
dibromofluromethane	0.1209	0.1224		0.12	97	98	70-130
toluene-d8	0.1311	0.1322		0.12	105	106	70-130
4-BFB	0.01306	0.01201		0.012	104	96	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/3/13	**BatchID:**	82472
Date Analyzed:	10/4/13	**Extraction Method**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82472 1310146-002AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.5955	0.40	0.60	-	99.2	70-130
MTBE	ND	0.09306	0.050	0.10	-	93.1	70-130
Benzene	ND	0.112	0.0050	0.10	-	112	70-130
Toluene	ND	0.1066	0.0050	0.10	-	107	70-130
Ethylbenzene	ND	0.1202	0.0050	0.10	-	120	70-130
Xylenes	ND	0.378	0.0050	0.30	-	126	70-130
Surrogate Recovery							
2-fluorotoluene	0.1198	0.1263		0.10	120	126	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR	0	1000	NR	NR	-	NR	
MTBE	NR	NR	0	ND<50	NR	NR	-	NR	
Benzene	NR	NR	0	17	NR	NR	-	NR	
Toluene	NR	NR	0	240	NR	NR	-	NR	
Ethylbenzene	NR	NR	0	89	NR	NR	-	NR	
Xylenes	NR	NR	0	440	NR	NR	-	NR	
Surrogate Recovery									
2-fluorotoluene	NR	NR	0		NR	NR	-	NR	

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310146
Date Prepared:	10/4/13	**BatchID:**	82479
Date Analyzed:	10/4/13	**Extraction Method**	SW3550B/3630C
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; 1630 Park St. Alameda	**Sample ID:**	MB/LCS-82479 1310146-003AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41	1.0	40	-	103	70-130
Surrogate Recovery							
C9	26.27	22.87		25	105	91	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	NR	NR	0	2300	NR	NR	-	NR	
Surrogate Recovery									
C9	NR	NR	0		NR	NR	-	NR	

McCampbell Analytical, Inc.
1534 Willow Pass Rd
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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310146 **ClientCode: AEL**

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

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

Email: awallace@aeiconsultants.com
cc:
PO: #WC084378
ProjectNo: #298931; 1630 Park St. Alameda

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 1 day

Date Received: **10/04/2013**
Date Printed: **10/04/2013**

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
1310146-001	N Wall2-10'	Soil	10/4/2013 7:20	☐	A	A	A									
1310146-002	NE Wall2-10'	Soil	10/4/2013 8:00	☐	A		A									
1310146-003	NE Wall2-6'	Soil	10/4/2013 8:00	☐	A		A									

Test Legend:

1	8260B_S	2	PREDF REPORT	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A contain testgroup.

Prepared by: Maria Venegas

Comments: 24hr Rush

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.

1310146

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

GeoTracker EDF ☑ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Andrew Wallace Bill To: AEI Consultants

Company: AEI Consultants

2500 Camino Diablo #200, Walnut Creek 94597

E-Mail: awallace@aeiconsultants.com

Tele: (925) 746-6000 x105 Fax: (925) 746-6099

Project #: 298931 ~~Project Name:~~ PO#WC084378

Project Location: 1630 Park st, Alameda

Sampler Signature: [signature]

SAMPLE ID	LOCATION/ Field Point Name	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 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other w/Silica Gel Clean Up Only	Other TPH-G (EPA 8015M)	Other TPH-D, MO(EPA 8015M w/Silica gel clean up)	Comments
N Wall-10'		10/4/13	7:20	1	STL		X				X														X							X	X	
NE Wall 2-10'		10/4/13	8:00	1	↓		X				X														X							X	X	
NE Wall 2-6'		10/4/13	8:00	1	↓		X				X														X							X	X	

Relinquished By:	Date:	Time:	Received By:
Andrew Wallace	10/4/13	9:42	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 8.2

GOOD CONDITION____

HEAD SPACE ABSENT____

DECHLORINATED IN LAB____

APPROPRIATE CONTAINERS____

PRESERVED IN LAB____

COMMENTS:

VOAS O&G METALS OTHER

PRESERVATION pH<2

Filter Samples for Metals analysis: Yes / No

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **10/4/2013 9:48:55 AM**
Project Name: **#298931; 1630 Park St. Alameda**
LogIn Reviewed by: Maria Venegas
WorkOrder N°: **1310146** Matrix: Soil
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 ☐	
Container/Temp Blank temperature	Cooler Temp: 8.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 1310373

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: #WC084379
Project Name: #298931; FSI

Project Received: 10/10/2013

Analytical Report reviewed & approved for release on 10/11/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 12283CA ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #298931; FSI
WorkOrder: 1310373

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
d2	heavier gasoline range compounds are significant (aged gasoline?)
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EBE-12'	**1310373-001A**	**Soil**	**10/10/2013 11:10**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/11/2013 01:46
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/11/2013 01:46
Benzene	ND	0.0050	1	10/11/2013 01:46
Bromobenzene	ND	0.0050	1	10/11/2013 01:46
Bromochloromethane	ND	0.0050	1	10/11/2013 01:46
Bromodichloromethane	ND	0.0050	1	10/11/2013 01:46
Bromoform	ND	0.0050	1	10/11/2013 01:46
Bromomethane	ND	0.0050	1	10/11/2013 01:46
2-Butanone (MEK)	ND	0.020	1	10/11/2013 01:46
t-Butyl alcohol (TBA)	ND	0.050	1	10/11/2013 01:46
n-Butyl benzene	ND	0.0050	1	10/11/2013 01:46
sec-Butyl benzene	ND	0.0050	1	10/11/2013 01:46
tert-Butyl benzene	ND	0.0050	1	10/11/2013 01:46
Carbon Disulfide	ND	0.0050	1	10/11/2013 01:46
Carbon Tetrachloride	ND	0.0050	1	10/11/2013 01:46
Chlorobenzene	ND	0.0050	1	10/11/2013 01:46
Chloroethane	ND	0.0050	1	10/11/2013 01:46
Chloroform	ND	0.0050	1	10/11/2013 01:46
Chloromethane	ND	0.0050	1	10/11/2013 01:46
2-Chlorotoluene	ND	0.0050	1	10/11/2013 01:46
4-Chlorotoluene	ND	0.0050	1	10/11/2013 01:46
Dibromochloromethane	ND	0.0050	1	10/11/2013 01:46
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/11/2013 01:46
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/11/2013 01:46
Dibromomethane	ND	0.0050	1	10/11/2013 01:46
1,2-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:46
1,3-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:46
1,4-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:46
Dichlorodifluoromethane	ND	0.0050	1	10/11/2013 01:46
1,1-Dichloroethane	ND	0.0050	1	10/11/2013 01:46
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/11/2013 01:46
1,1-Dichloroethene	ND	0.0050	1	10/11/2013 01:46
cis-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 01:46
trans-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 01:46
1,2-Dichloropropane	ND	0.0050	1	10/11/2013 01:46
1,3-Dichloropropane	ND	0.0050	1	10/11/2013 01:46
2,2-Dichloropropane	ND	0.0050	1	10/11/2013 01:46
1,1-Dichloropropene	ND	0.0050	1	10/11/2013 01:46

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EBE-12'	**1310373-001A**	**Soil**	**10/10/2013 11:10**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 01:46
trans-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 01:46
Diisopropyl ether (DIPE)	ND	0.0050	1	10/11/2013 01:46
Ethylbenzene	ND	0.0050	1	10/11/2013 01:46
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/11/2013 01:46
Freon 113	ND	0.10	1	10/11/2013 01:46
Hexachlorobutadiene	ND	0.0050	1	10/11/2013 01:46
Hexachloroethane	ND	0.0050	1	10/11/2013 01:46
2-Hexanone	ND	0.0050	1	10/11/2013 01:46
Isopropylbenzene	ND	0.0050	1	10/11/2013 01:46
4-Isopropyl toluene	ND	0.0050	1	10/11/2013 01:46
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/11/2013 01:46
Methylene chloride	ND	0.0050	1	10/11/2013 01:46
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/11/2013 01:46
Naphthalene	ND	0.0050	1	10/11/2013 01:46
n-Propyl benzene	ND	0.0050	1	10/11/2013 01:46
Styrene	ND	0.0050	1	10/11/2013 01:46
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 01:46
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 01:46
Tetrachloroethene	ND	0.0050	1	10/11/2013 01:46
Toluene	**0.0065**	0.0050	1	10/11/2013 01:46
1,2,3-Trichlorobenzene	ND	0.0050	1	10/11/2013 01:46
1,2,4-Trichlorobenzene	ND	0.0050	1	10/11/2013 01:46
1,1,1-Trichloroethane	ND	0.0050	1	10/11/2013 01:46
1,1,2-Trichloroethane	ND	0.0050	1	10/11/2013 01:46
Trichloroethene	ND	0.0050	1	10/11/2013 01:46
Trichlorofluoromethane	ND	0.0050	1	10/11/2013 01:46
1,2,3-Trichloropropane	ND	0.0050	1	10/11/2013 01:46
1,2,4-Trimethylbenzene	**0.0096**	0.0050	1	10/11/2013 01:46
1,3,5-Trimethylbenzene	ND	0.0050	1	10/11/2013 01:46
Vinyl Chloride	ND	0.0050	1	10/11/2013 01:46
Xylenes, Total	**0.018**	0.0050	1	10/11/2013 01:46

Surrogates	REC (%)	Limits	
Dibromofluoromethane	92	70-130	10/11/2013 01:46
Toluene-d8	97	70-130	10/11/2013 01:46
4-BFB	97	70-130	10/11/2013 01:46

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-10'	**1310373-002A**	**Soil**	**10/10/2013 11:25**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	50	500	10/11/2013 14:33
tert-Amyl methyl ether (TAME)	ND	2.5	500	10/11/2013 14:33
Benzene	ND	2.5	500	10/11/2013 14:33
Bromobenzene	ND	2.5	500	10/11/2013 14:33
Bromochloromethane	ND	2.5	500	10/11/2013 14:33
Bromodichloromethane	ND	2.5	500	10/11/2013 14:33
Bromoform	ND	2.5	500	10/11/2013 14:33
Bromomethane	ND	2.5	500	10/11/2013 14:33
2-Butanone (MEK)	ND	10	500	10/11/2013 14:33
t-Butyl alcohol (TBA)	ND	25	500	10/11/2013 14:33
n-Butyl benzene	**17**	2.5	500	10/11/2013 14:33
sec-Butyl benzene	**2.7**	2.5	500	10/11/2013 14:33
tert-Butyl benzene	ND	2.5	500	10/11/2013 14:33
Carbon Disulfide	ND	2.5	500	10/11/2013 14:33
Carbon Tetrachloride	ND	2.5	500	10/11/2013 14:33
Chlorobenzene	ND	2.5	500	10/11/2013 14:33
Chloroethane	ND	2.5	500	10/11/2013 14:33
Chloroform	ND	2.5	500	10/11/2013 14:33
Chloromethane	ND	2.5	500	10/11/2013 14:33
2-Chlorotoluene	ND	2.5	500	10/11/2013 14:33
4-Chlorotoluene	ND	2.5	500	10/11/2013 14:33
Dibromochloromethane	ND	2.5	500	10/11/2013 14:33
1,2-Dibromo-3-chloropropane	ND	2.0	500	10/11/2013 14:33
1,2-Dibromoethane (EDB)	ND	2.0	500	10/11/2013 14:33
Dibromomethane	ND	2.5	500	10/11/2013 14:33
1,2-Dichlorobenzene	ND	2.5	500	10/11/2013 14:33
1,3-Dichlorobenzene	ND	2.5	500	10/11/2013 14:33
1,4-Dichlorobenzene	ND	2.5	500	10/11/2013 14:33
Dichlorodifluoromethane	ND	2.5	500	10/11/2013 14:33
1,1-Dichloroethane	ND	2.5	500	10/11/2013 14:33
1,2-Dichloroethane (1,2-DCA)	ND	2.0	500	10/11/2013 14:33
1,1-Dichloroethene	ND	2.5	500	10/11/2013 14:33
cis-1,2-Dichloroethene	ND	2.5	500	10/11/2013 14:33
trans-1,2-Dichloroethene	ND	2.5	500	10/11/2013 14:33
1,2-Dichloropropane	ND	2.5	500	10/11/2013 14:33
1,3-Dichloropropane	ND	2.5	500	10/11/2013 14:33
2,2-Dichloropropane	ND	2.5	500	10/11/2013 14:33
1,1-Dichloropropene	ND	2.5	500	10/11/2013 14:33

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-10'	**1310373-002A**	**Soil**	**10/10/2013 11:25**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	2.5	500	10/11/2013 14:33
trans-1,3-Dichloropropene	ND	2.5	500	10/11/2013 14:33
Diisopropyl ether (DIPE)	ND	2.5	500	10/11/2013 14:33
Ethylbenzene	**16**	2.5	500	10/11/2013 14:33
Ethyl tert-butyl ether (ETBE)	ND	2.5	500	10/11/2013 14:33
Freon 113	ND	50	500	10/11/2013 14:33
Hexachlorobutadiene	ND	2.5	500	10/11/2013 14:33
Hexachloroethane	ND	2.5	500	10/11/2013 14:33
2-Hexanone	ND	2.5	500	10/11/2013 14:33
Isopropylbenzene	**2.9**	2.5	500	10/11/2013 14:33
4-Isopropyl toluene	**4.8**	2.5	500	10/11/2013 14:33
Methyl-t-butyl ether (MTBE)	ND	2.5	500	10/11/2013 14:33
Methylene chloride	ND	2.5	500	10/11/2013 14:33
4-Methyl-2-pentanone (MIBK)	ND	2.5	500	10/11/2013 14:33
Naphthalene	**22**	2.5	500	10/11/2013 14:33
n-Propyl benzene	**11**	2.5	500	10/11/2013 14:33
Styrene	ND	2.5	500	10/11/2013 14:33
1,1,1,2-Tetrachloroethane	ND	2.5	500	10/11/2013 14:33
1,1,2,2-Tetrachloroethane	ND	2.5	500	10/11/2013 14:33
Tetrachloroethene	ND	2.5	500	10/11/2013 14:33
Toluene	**17**	2.5	500	10/11/2013 14:33
1,2,3-Trichlorobenzene	ND	2.5	500	10/11/2013 14:33
1,2,4-Trichlorobenzene	ND	2.5	500	10/11/2013 14:33
1,1,1-Trichloroethane	ND	2.5	500	10/11/2013 14:33
1,1,2-Trichloroethane	ND	2.5	500	10/11/2013 14:33
Trichloroethene	ND	2.5	500	10/11/2013 14:33
Trichlorofluoromethane	ND	2.5	500	10/11/2013 14:33
1,2,3-Trichloropropane	ND	2.5	500	10/11/2013 14:33
1,2,4-Trimethylbenzene	**91**	2.5	500	10/11/2013 14:33
1,3,5-Trimethylbenzene	**28**	2.5	500	10/11/2013 14:33
Vinyl Chloride	ND	2.5	500	10/11/2013 14:33
Xylenes, Total	**100**	2.5	500	10/11/2013 14:33

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	10/11/2013 14:33
Toluene-d8	91	70-130	10/11/2013 14:33
4-BFB	84	70-130	10/11/2013 14:33

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-6'	**1310373-003A**	**Soil**	**10/10/2013 11:30**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/11/2013 03:12
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/11/2013 03:12
Benzene	ND	0.0050	1	10/11/2013 03:12
Bromobenzene	ND	0.0050	1	10/11/2013 03:12
Bromochloromethane	ND	0.0050	1	10/11/2013 03:12
Bromodichloromethane	ND	0.0050	1	10/11/2013 03:12
Bromoform	ND	0.0050	1	10/11/2013 03:12
Bromomethane	ND	0.0050	1	10/11/2013 03:12
2-Butanone (MEK)	ND	0.020	1	10/11/2013 03:12
t-Butyl alcohol (TBA)	ND	0.050	1	10/11/2013 03:12
n-Butyl benzene	ND	0.0050	1	10/11/2013 03:12
sec-Butyl benzene	ND	0.0050	1	10/11/2013 03:12
tert-Butyl benzene	ND	0.0050	1	10/11/2013 03:12
Carbon Disulfide	ND	0.0050	1	10/11/2013 03:12
Carbon Tetrachloride	ND	0.0050	1	10/11/2013 03:12
Chlorobenzene	ND	0.0050	1	10/11/2013 03:12
Chloroethane	ND	0.0050	1	10/11/2013 03:12
Chloroform	ND	0.0050	1	10/11/2013 03:12
Chloromethane	ND	0.0050	1	10/11/2013 03:12
2-Chlorotoluene	ND	0.0050	1	10/11/2013 03:12
4-Chlorotoluene	ND	0.0050	1	10/11/2013 03:12
Dibromochloromethane	ND	0.0050	1	10/11/2013 03:12
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/11/2013 03:12
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/11/2013 03:12
Dibromomethane	ND	0.0050	1	10/11/2013 03:12
1,2-Dichlorobenzene	ND	0.0050	1	10/11/2013 03:12
1,3-Dichlorobenzene	ND	0.0050	1	10/11/2013 03:12
1,4-Dichlorobenzene	ND	0.0050	1	10/11/2013 03:12
Dichlorodifluoromethane	ND	0.0050	1	10/11/2013 03:12
1,1-Dichloroethane	ND	0.0050	1	10/11/2013 03:12
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/11/2013 03:12
1,1-Dichloroethene	ND	0.0050	1	10/11/2013 03:12
cis-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 03:12
trans-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 03:12
1,2-Dichloropropane	ND	0.0050	1	10/11/2013 03:12
1,3-Dichloropropane	ND	0.0050	1	10/11/2013 03:12
2,2-Dichloropropane	ND	0.0050	1	10/11/2013 03:12
1,1-Dichloropropene	ND	0.0050	1	10/11/2013 03:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-6'	**1310373-003A**	**Soil**	**10/10/2013 11:30**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 03:12
trans-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 03:12
Diisopropyl ether (DIPE)	ND	0.0050	1	10/11/2013 03:12
Ethylbenzene	ND	0.0050	1	10/11/2013 03:12
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/11/2013 03:12
Freon 113	ND	0.10	1	10/11/2013 03:12
Hexachlorobutadiene	ND	0.0050	1	10/11/2013 03:12
Hexachloroethane	ND	0.0050	1	10/11/2013 03:12
2-Hexanone	ND	0.0050	1	10/11/2013 03:12
Isopropylbenzene	ND	0.0050	1	10/11/2013 03:12
4-Isopropyl toluene	ND	0.0050	1	10/11/2013 03:12
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/11/2013 03:12
Methylene chloride	ND	0.0050	1	10/11/2013 03:12
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/11/2013 03:12
Naphthalene	ND	0.0050	1	10/11/2013 13:12
n-Propyl benzene	ND	0.0050	1	10/11/2013 03:12
Styrene	ND	0.0050	1	10/11/2013 03:12
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 03:12
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 03:12
Tetrachloroethene	ND	0.0050	1	10/11/2013 03:12
Toluene	ND	0.0050	1	10/11/2013 03:12
1,2,3-Trichlorobenzene	ND	0.0050	1	10/11/2013 03:12
1,2,4-Trichlorobenzene	ND	0.0050	1	10/11/2013 03:12
1,1,1-Trichloroethane	ND	0.0050	1	10/11/2013 03:12
1,1,2-Trichloroethane	ND	0.0050	1	10/11/2013 03:12
Trichloroethene	ND	0.0050	1	10/11/2013 03:12
Trichlorofluoromethane	ND	0.0050	1	10/11/2013 03:12
1,2,3-Trichloropropane	ND	0.0050	1	10/11/2013 03:12
1,2,4-Trimethylbenzene	ND	0.0050	1	10/11/2013 03:12
1,3,5-Trimethylbenzene	ND	0.0050	1	10/11/2013 03:12
Vinyl Chloride	ND	0.0050	1	10/11/2013 03:12
Xylenes, Total	ND	0.0050	1	10/11/2013 03:12

Surrogates	REC (%)	Limits	
Dibromofluoromethane	93	70-130	10/11/2013 03:12
Toluene-d8	98	70-130	10/11/2013 03:12
4-BFB	99	70-130	10/11/2013 03:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-10'	**1310373-005A**	**Soil**	**10/10/2013 11:45**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	20	200	10/11/2013 03:54
tert-Amyl methyl ether (TAME)	ND	1.0	200	10/11/2013 03:54
Benzene	ND	1.0	200	10/11/2013 03:54
Bromobenzene	ND	1.0	200	10/11/2013 03:54
Bromochloromethane	ND	1.0	200	10/11/2013 03:54
Bromodichloromethane	ND	1.0	200	10/11/2013 03:54
Bromoform	ND	1.0	200	10/11/2013 03:54
Bromomethane	ND	1.0	200	10/11/2013 03:54
2-Butanone (MEK)	ND	4.0	200	10/11/2013 03:54
t-Butyl alcohol (TBA)	ND	10	200	10/11/2013 03:54
n-Butyl benzene	**7.2**	1.0	200	10/11/2013 03:54
sec-Butyl benzene	**1.1**	1.0	200	10/11/2013 03:54
tert-Butyl benzene	ND	1.0	200	10/11/2013 03:54
Carbon Disulfide	ND	1.0	200	10/11/2013 03:54
Carbon Tetrachloride	ND	1.0	200	10/11/2013 03:54
Chlorobenzene	ND	1.0	200	10/11/2013 03:54
Chloroethane	ND	1.0	200	10/11/2013 03:54
Chloroform	ND	1.0	200	10/11/2013 03:54
Chloromethane	ND	1.0	200	10/11/2013 03:54
2-Chlorotoluene	ND	1.0	200	10/11/2013 03:54
4-Chlorotoluene	ND	1.0	200	10/11/2013 03:54
Dibromochloromethane	ND	1.0	200	10/11/2013 03:54
1,2-Dibromo-3-chloropropane	ND	0.80	200	10/11/2013 03:54
1,2-Dibromoethane (EDB)	ND	0.80	200	10/11/2013 03:54
Dibromomethane	ND	1.0	200	10/11/2013 03:54
1,2-Dichlorobenzene	ND	1.0	200	10/11/2013 03:54
1,3-Dichlorobenzene	ND	1.0	200	10/11/2013 03:54
1,4-Dichlorobenzene	ND	1.0	200	10/11/2013 03:54
Dichlorodifluoromethane	ND	1.0	200	10/11/2013 03:54
1,1-Dichloroethane	ND	1.0	200	10/11/2013 03:54
1,2-Dichloroethane (1,2-DCA)	ND	0.80	200	10/11/2013 03:54
1,1-Dichloroethene	ND	1.0	200	10/11/2013 03:54
cis-1,2-Dichloroethene	ND	1.0	200	10/11/2013 03:54
trans-1,2-Dichloroethene	ND	1.0	200	10/11/2013 03:54
1,2-Dichloropropane	ND	1.0	200	10/11/2013 03:54
1,3-Dichloropropane	ND	1.0	200	10/11/2013 03:54
2,2-Dichloropropane	ND	1.0	200	10/11/2013 03:54
1,1-Dichloropropene	ND	1.0	200	10/11/2013 03:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-10'	**1310373-005A**	**Soil**	**10/10/2013 11:45**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	1.0	200	10/11/2013 03:54
trans-1,3-Dichloropropene	ND	1.0	200	10/11/2013 03:54
Diisopropyl ether (DIPE)	ND	1.0	200	10/11/2013 03:54
Ethylbenzene	**3.6**	1.0	200	10/11/2013 03:54
Ethyl tert-butyl ether (ETBE)	ND	1.0	200	10/11/2013 03:54
Freon 113	ND	20	200	10/11/2013 03:54
Hexachlorobutadiene	ND	1.0	200	10/11/2013 03:54
Hexachloroethane	ND	1.0	200	10/11/2013 03:54
2-Hexanone	ND	1.0	200	10/11/2013 03:54
Isopropylbenzene	ND	1.0	200	10/11/2013 03:54
4-Isopropyl toluene	ND	1.0	200	10/11/2013 03:54
Methyl-t-butyl ether (MTBE)	ND	1.0	200	10/11/2013 03:54
Methylene chloride	ND	1.0	200	10/11/2013 03:54
4-Methyl-2-pentanone (MIBK)	ND	1.0	200	10/11/2013 03:54
Naphthalene	**9.7**	1.0	200	10/11/2013 03:54
n-Propyl benzene	**3.0**	1.0	200	10/11/2013 03:54
Styrene	ND	1.0	200	10/11/2013 03:54
1,1,1,2-Tetrachloroethane	ND	1.0	200	10/11/2013 03:54
1,1,2,2-Tetrachloroethane	ND	1.0	200	10/11/2013 03:54
Tetrachloroethene	ND	1.0	200	10/11/2013 03:54
Toluene	ND	1.0	200	10/11/2013 03:54
1,2,3-Trichlorobenzene	ND	1.0	200	10/11/2013 03:54
1,2,4-Trichlorobenzene	ND	1.0	200	10/11/2013 03:54
1,1,1-Trichloroethane	ND	1.0	200	10/11/2013 03:54
1,1,2-Trichloroethane	ND	1.0	200	10/11/2013 03:54
Trichloroethene	ND	1.0	200	10/11/2013 03:54
Trichlorofluoromethane	ND	1.0	200	10/11/2013 03:54
1,2,3-Trichloropropane	ND	1.0	200	10/11/2013 03:54
1,2,4-Trimethylbenzene	**38**	1.0	200	10/11/2013 03:54
1,3,5-Trimethylbenzene	**13**	1.0	200	10/11/2013 03:54
Vinyl Chloride	ND	1.0	200	10/11/2013 03:54
Xylenes, Total	**34**	1.0	200	10/11/2013 03:54

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	10/11/2013 03:54
Toluene-d8	92	70-130	10/11/2013 03:54
4-BFB	85	70-130	10/11/2013 03:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-6'	**1310373-006A**	**Soil**	**10/10/2013 12:00**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/11/2013 01:03
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/11/2013 01:03
Benzene	ND	0.0050	1	10/11/2013 01:03
Bromobenzene	ND	0.0050	1	10/11/2013 01:03
Bromochloromethane	ND	0.0050	1	10/11/2013 01:03
Bromodichloromethane	ND	0.0050	1	10/11/2013 01:03
Bromoform	ND	0.0050	1	10/11/2013 01:03
Bromomethane	ND	0.0050	1	10/11/2013 01:03
2-Butanone (MEK)	ND	0.020	1	10/11/2013 01:03
t-Butyl alcohol (TBA)	ND	0.050	1	10/11/2013 01:03
n-Butyl benzene	ND	0.0050	1	10/11/2013 01:03
sec-Butyl benzene	ND	0.0050	1	10/11/2013 01:03
tert-Butyl benzene	ND	0.0050	1	10/11/2013 01:03
Carbon Disulfide	ND	0.0050	1	10/11/2013 01:03
Carbon Tetrachloride	ND	0.0050	1	10/11/2013 01:03
Chlorobenzene	ND	0.0050	1	10/11/2013 01:03
Chloroethane	ND	0.0050	1	10/11/2013 01:03
Chloroform	ND	0.0050	1	10/11/2013 01:03
Chloromethane	ND	0.0050	1	10/11/2013 01:03
2-Chlorotoluene	ND	0.0050	1	10/11/2013 01:03
4-Chlorotoluene	ND	0.0050	1	10/11/2013 01:03
Dibromochloromethane	ND	0.0050	1	10/11/2013 01:03
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/11/2013 01:03
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/11/2013 01:03
Dibromomethane	ND	0.0050	1	10/11/2013 01:03
1,2-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:03
1,3-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:03
1,4-Dichlorobenzene	ND	0.0050	1	10/11/2013 01:03
Dichlorodifluoromethane	ND	0.0050	1	10/11/2013 01:03
1,1-Dichloroethane	ND	0.0050	1	10/11/2013 01:03
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/11/2013 01:03
1,1-Dichloroethene	ND	0.0050	1	10/11/2013 01:03
cis-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 01:03
trans-1,2-Dichloroethene	ND	0.0050	1	10/11/2013 01:03
1,2-Dichloropropane	ND	0.0050	1	10/11/2013 01:03
1,3-Dichloropropane	ND	0.0050	1	10/11/2013 01:03
2,2-Dichloropropane	ND	0.0050	1	10/11/2013 01:03
1,1-Dichloropropene	ND	0.0050	1	10/11/2013 01:03

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method:**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-6'	**1310373-006A**	**Soil**	**10/10/2013 12:00**	**GC16**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 01:03
trans-1,3-Dichloropropene	ND	0.0050	1	10/11/2013 01:03
Diisopropyl ether (DIPE)	ND	0.0050	1	10/11/2013 01:03
Ethylbenzene	ND	0.0050	1	10/11/2013 01:03
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/11/2013 01:03
Freon 113	ND	0.10	1	10/11/2013 01:03
Hexachlorobutadiene	ND	0.0050	1	10/11/2013 01:03
Hexachloroethane	ND	0.0050	1	10/11/2013 01:03
2-Hexanone	ND	0.0050	1	10/11/2013 01:03
Isopropylbenzene	ND	0.0050	1	10/11/2013 01:03
4-Isopropyl toluene	ND	0.0050	1	10/11/2013 01:03
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/11/2013 01:03
Methylene chloride	ND	0.0050	1	10/11/2013 01:03
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/11/2013 01:03
Naphthalene	ND	0.0050	1	10/11/2013 01:03
n-Propyl benzene	ND	0.0050	1	10/11/2013 01:03
Styrene	ND	0.0050	1	10/11/2013 01:03
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 01:03
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/11/2013 01:03
Tetrachloroethene	ND	0.0050	1	10/11/2013 01:03
Toluene	ND	0.0050	1	10/11/2013 01:03
1,2,3-Trichlorobenzene	ND	0.0050	1	10/11/2013 01:03
1,2,4-Trichlorobenzene	ND	0.0050	1	10/11/2013 01:03
1,1,1-Trichloroethane	ND	0.0050	1	10/11/2013 01:03
1,1,2-Trichloroethane	ND	0.0050	1	10/11/2013 01:03
Trichloroethene	ND	0.0050	1	10/11/2013 01:03
Trichlorofluoromethane	ND	0.0050	1	10/11/2013 01:03
1,2,3-Trichloropropane	ND	0.0050	1	10/11/2013 01:03
1,2,4-Trimethylbenzene	ND	0.0050	1	10/11/2013 01:03
1,3,5-Trimethylbenzene	ND	0.0050	1	10/11/2013 01:03
Vinyl Chloride	ND	0.0050	1	10/11/2013 01:03
Xylenes, Total	ND	0.0050	1	10/11/2013 01:03

Surrogates	REC (%)	Limits	
Dibromofluoromethane	93	70-130	10/11/2013 01:03
Toluene-d8	98	70-130	10/11/2013 01:03
4-BFB	98	70-130	10/11/2013 01:03

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EBE-12'	**1310373-001A**	**Soil**	**10/10/2013 11:10**	**GC7**	**82721**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/11/2013 03:05
MTBE	ND	0.050	1	10/11/2013 03:05
Benzene	ND	0.0050	1	10/11/2013 03:05
Toluene	ND	0.0050	1	10/11/2013 03:05
Ethylbenzene	ND	0.0050	1	10/11/2013 03:05
Xylenes	ND	0.0050	1	10/11/2013 03:05

Surrogates	REC (%)	Limits	
2-Fluorotoluene	108	70-130	10/11/2013 03:05

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-10'	**1310373-002A**	**Soil**	**10/10/2013 11:25**	**GC7**	**82721**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1500**	200	200	10/11/2013 04:04
MTBE	ND	10	200	10/11/2013 04:04
Benzene	**1.5**	1.0	200	10/11/2013 04:04
Toluene	**38**	1.0	200	10/11/2013 04:04
Ethylbenzene	**33**	1.0	200	10/11/2013 04:04
Xylenes	**230**	1.0	200	10/11/2013 04:04

Surrogates	REC (%)	Limits	Analytical Comments: d2
2-Fluorotoluene	127	70-130	10/11/2013 04:04

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-6'	**1310373-003A**	**Soil**	**10/10/2013 11:30**	**GC7**	**82721**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/11/2013 13:01
MTBE	ND	0.050	1	10/11/2013 13:01
Benzene	ND	0.0050	1	10/11/2013 13:01
Toluene	ND	0.0050	1	10/11/2013 13:01
Ethylbenzene	ND	0.0050	1	10/11/2013 13:01
Xylenes	ND	0.0050	1	10/11/2013 13:01

Surrogates	REC (%)	Limits	
2-Fluorotoluene	107	70-130	10/11/2013 13:01

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-10'	**1310373-005A**	**Soil**	**10/10/2013 11:45**	**GC7**	**82721**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**770**	200	200	10/11/2013 05:33
MTBE	ND	10	200	10/11/2013 05:33
Benzene	ND	1.0	200	10/11/2013 05:33
Toluene	**1.1**	1.0	200	10/11/2013 05:33
Ethylbenzene	**5.9**	1.0	200	10/11/2013 05:33
Xylenes	**70**	1.0	200	10/11/2013 05:33

Surrogates	REC (%)	Limits	Analytical Comments: d2	
aaa-TFT	97	70-130		10/11/2013 05:33

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-6'	**1310373-006A**	**Soil**	**10/10/2013 12:00**	**GC7**	**82721**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/11/2013 15:14
MTBE	ND	0.050	1	10/11/2013 15:14
Benzene	ND	0.0050	1	10/11/2013 15:14
Toluene	ND	0.0050	1	10/11/2013 15:14
Ethylbenzene	ND	0.0050	1	10/11/2013 15:14
Xylenes	ND	0.0050	1	10/11/2013 15:14

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	10/11/2013 15:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8015B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EBE-12'	**1310373-001A**	**Soil**	**10/10/2013 11:10**	**GC9b**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/11/2013 12:17
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/11/2013 12:17
Surrogates	REC (%)	Limits		
C9	113	70-130		10/11/2013 12:17

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-10'	**1310373-002A**	**Soil**	**10/10/2013 11:25**	**GC9a**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**880**	20	20	10/11/2013 14:08
TPH-Motor Oil (C18-C36)	**470**	100	20	10/11/2013 14:08
Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2	
C9	116	70-130		10/11/2013 14:08

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-6'	**1310373-003A**	**Soil**	**10/10/2013 11:30**	**GC9b**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.2**	1.0	1	10/11/2013 10:03
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/11/2013 10:03
Surrogates	REC (%)	Limits	Analytical Comments: e2	
C9	101	70-130		10/11/2013 10:03

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-10'	**1310373-005A**	**Soil**	**10/10/2013 11:45**	**GC11A**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**310**	1.0	1	10/11/2013 15:05
TPH-Motor Oil (C18-C36)	**160**	5.0	1	10/11/2013 15:05
Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2	
C9	120	70-130		10/11/2013 15:05

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8015B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-6'	**1310373-006A**	**Soil**	**10/10/2013 12:00**	**GC9b**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/11/2013 11:09
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/11/2013 11:09

Surrogates	REC (%)	Limits	
C9	102	70-130	10/11/2013 11:09

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82725 1310373-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04658	0.0050	0.050	-	93.2	70-130
Benzene	ND	0.04706	0.0050	0.050	-	94.1	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2141	0.050	0.20	-	107	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04691	0.0050	0.050	-	93.8	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.04638	0.0040	0.050	-	92.8	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.04801	0.0040	0.050	-	96	70-130
1,1-Dichloroethene	ND	0.04683	0.0050	0.050	-	93.7	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82725 1310373-006AMS/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	0.04812	0.0050	0.050	-	96.2	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04622	0.0050	0.050	-	92.4	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.04839	0.0050	0.050	-	96.8	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.05146	0.0050	0.050	-	103	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.04589	0.0050	0.050	-	91.8	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1138	0.1163		0.12	91	93	70-130
Toluene-d8	0.1236	0.1232		0.12	99	99	70-130
4-BFB	0.01206	0.01168		0.012	96	93	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82725 1310373-006AMS/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
tert-Amyl methyl ether (TAME)	0.04455	0.04418	0.050	ND	89.1	88.4	56-94	0.845	30
Benzene	0.04494	0.04408	0.050	ND	89.9	88.2	60-106	1.91	30
t-Butyl alcohol (TBA)	0.2005	0.1977	0.20	ND	100	98.8	56-140	1.42	30
Chlorobenzene	0.04545	0.04436	0.050	ND	90.9	88.7	61-108	2.43	30
1,2-Dibromoethane (EDB)	0.0458	0.04484	0.050	ND	91.6	89.7	54-119	2.10	30
1,2-Dichloroethane (1,2-DCA)	0.04454	0.04407	0.050	ND	89.1	88.1	48-115	1.06	30
1,1-Dichloroethene	0.04453	0.04402	0.050	ND	89.1	88	46-111	1.15	30
Diisopropyl ether (DIPE)	0.0458	0.0455	0.050	ND	91.6	91	53-111	0.647	30
Ethyl tert-butyl ether (ETBE)	0.0442	0.04375	0.050	ND	88.4	87.5	61-104	1.04	30
Methyl-t-butyl ether (MTBE)	0.04594	0.04595	0.050	ND	91.9	91.9	58-107	0	30
Toluene	0.04896	0.04846	0.050	ND	97.9	96.9	64-114	1.01	30
Trichloroethene	0.04289	0.04224	0.050	ND	85.8	84.5	60-116	1.54	30
Surrogate Recovery									
Dibromofluoromethane	0.1156	0.1162	0.12		92	93	70-130	0.554	30
Toluene-d8	0.1238	0.123	0.12		99	98	70-130	0.614	30
4-BFB	0.01164	0.01154	0.012		93	92	70-130	0.820	30

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/9/13	**BatchID:**	82721
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82721 1310345-035AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.6272	0.40	0.60	-	105	70-130
MTBE	ND	0.08552	0.050	0.10	-	85.5	70-130
Benzene	ND	0.1118	0.0050	0.10	-	112	70-130
Toluene	ND	0.1151	0.0050	0.10	-	115	70-130
Ethylbenzene	ND	0.1133	0.0050	0.10	-	113	70-130
Xylenes	ND	0.3576	0.0050	0.30	-	119	70-130
Surrogate Recovery							
2-Fluorotoluene	0.112	0.1099		0.10	112	110	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.5413	0.5722	0.60	ND	90.2	95.4	70-130	5.55	20
MTBE	0.07465	0.07326	0.10	ND	74.7	73.3	70-130	1.88	20
Benzene	0.1001	0.09769	0.10	ND	100	97.7	70-130	2.48	20
Toluene	0.1035	0.1033	0.10	ND	104	103	70-130	0.231	20
Ethylbenzene	0.1025	0.1011	0.10	ND	103	101	70-130	1.40	20
Xylenes	0.3269	0.3208	0.30	ND	109	107	70-130	1.89	20
Surrogate Recovery									
2-Fluorotoluene	0.1009	0.09889	0.10		101	99	70-130	1.99	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/10/13	**BatchID:**	82743
Date Analyzed:	10/11/13	**Extraction Method**	SW3550B/3630C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82743

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	43.68	1.0	40	-	109	70-130
Surrogate Recovery							
C9	22.74	22.5		25	91	90	70-130

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310373 **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) 283-6121

Email: jasmith@aeiconsultants.com
cc:
PO: #WC084379
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 1 day

Date Received: **10/10/2013**
Date Printed: **10/10/2013**

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
1310373-001	EBE-12'	Soil	10/10/2013 11:10	☐	A	A	A									
1310373-002	SWS-e-10'	Soil	10/10/2013 11:25	☐	A		A									
1310373-003	SWS-e-6'	Soil	10/10/2013 11:30	☐	A		A									
1310373-005	SWN-e-10'	Soil	10/10/2013 11:45	☐	A		A									
1310373-006	SWN-e-6'	Soil	10/10/2013 12:00	☐	A		A									

Test Legend:

1	8260B_S	2	PREDF REPORT	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 005A, 006A contain testgroup.

Prepared by: Zoraida Cortez

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.

RUSH

1310373

McCAMPBELL ANALYTICAL INC.

1538 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 PDF Required? ■ Yes ☐ No

Report To: Jeremy Smith Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC0843 79 Global ID: T0600100655

E-Mail: jasmith@aeiconsultatns.com

Telephone: (925) 746-6000, ext. 1128 Fax: (925) 746-6099

AEI Project No. 298931 Project Name: FSI

Project Location: 1630 Park St., Alameda, CA 94501

Sampler Signature: Jonah

SAMPLE ID	FIELD POINT NAME	SAMPLING Date	SAMPLING Time	# of 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	Analysis Request: TPH-G (EPA 8015 M)	Analysis Request: TPH-D / TPH-MO (EPA 8015 M w/ Silica Gel Clean-up)	Analysis Request: BTEX, MTBE (EPA 8260B)	Analysis Request: VOC's 8260	Analysis Request: HOLD	Other	Comments
EBE-12'		10/10/13	11:10	1	STL		X				X				X	X	X	X			
SWS-e-10'			11:25												X	X		X			
SWS-e-6'			11:30												X	X		X			
SWS-e-3'			11:35																X		
SWN-e-10'			11:55												X	X		X			
SWN-e-6'			12:00												X	X		X			
SWN-e-3'			12:05																X		

Relinquished By:	Date:	Time:	Received By:
Andrew Wallace	10/10/13	1:40	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.2

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: **10/10/2013 1:51:07 PM**
Project Name: **#298931; FSI**
LogIn Reviewed by: Zoraida Cortez
WorkOrder N°: **1310373** Matrix: Soil
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 ☐	
Container/Temp Blank temperature	Cooler Temp: 5.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310373 A

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: #WC084379
Project Name: #298931; FSI

Project Received: 10/10/2013

Analytical Report reviewed & approved for release on 10/22/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: #298931; FSI
WorkOrder: 1310373

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
d1	weakly modified or unmodified gasoline is significant
d2	heavier gasoline range compounds are significant (aged gasoline?)
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/16/13-10/21/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-3'	**1310373-004A**	**Soil**	**10/10/2013 11:35**	**GC16**	**83118**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/22/2013 00:45
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/22/2013 00:45
Benzene	ND	0.0050	1	10/22/2013 00:45
Bromobenzene	ND	0.0050	1	10/22/2013 00:45
Bromochloromethane	ND	0.0050	1	10/22/2013 00:45
Bromodichloromethane	ND	0.0050	1	10/22/2013 00:45
Bromoform	ND	0.0050	1	10/22/2013 00:45
Bromomethane	ND	0.0050	1	10/22/2013 00:45
2-Butanone (MEK)	ND	0.020	1	10/22/2013 00:45
t-Butyl alcohol (TBA)	ND	0.050	1	10/22/2013 00:45
n-Butyl benzene	ND	0.0050	1	10/22/2013 00:45
sec-Butyl benzene	ND	0.0050	1	10/22/2013 00:45
tert-Butyl benzene	ND	0.0050	1	10/22/2013 00:45
Carbon Disulfide	ND	0.0050	1	10/22/2013 00:45
Carbon Tetrachloride	ND	0.0050	1	10/22/2013 00:45
Chlorobenzene	ND	0.0050	1	10/22/2013 00:45
Chloroethane	ND	0.0050	1	10/22/2013 00:45
Chloroform	ND	0.0050	1	10/22/2013 00:45
Chloromethane	ND	0.0050	1	10/22/2013 00:45
2-Chlorotoluene	ND	0.0050	1	10/22/2013 00:45
4-Chlorotoluene	ND	0.0050	1	10/22/2013 00:45
Dibromochloromethane	ND	0.0050	1	10/22/2013 00:45
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/22/2013 00:45
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/22/2013 00:45
Dibromomethane	ND	0.0050	1	10/22/2013 00:45
1,2-Dichlorobenzene	ND	0.0050	1	10/22/2013 00:45
1,3-Dichlorobenzene	ND	0.0050	1	10/22/2013 00:45
1,4-Dichlorobenzene	ND	0.0050	1	10/22/2013 00:45
Dichlorodifluoromethane	ND	0.0050	1	10/22/2013 00:45
1,1-Dichloroethane	ND	0.0050	1	10/22/2013 00:45
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/22/2013 00:45
1,1-Dichloroethene	ND	0.0050	1	10/22/2013 00:45
cis-1,2-Dichloroethene	ND	0.0050	1	10/22/2013 00:45
trans-1,2-Dichloroethene	ND	0.0050	1	10/22/2013 00:45
1,2-Dichloropropane	ND	0.0050	1	10/22/2013 00:45
1,3-Dichloropropane	ND	0.0050	1	10/22/2013 00:45
2,2-Dichloropropane	ND	0.0050	1	10/22/2013 00:45
1,1-Dichloropropene	ND	0.0050	1	10/22/2013 00:45

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/16/13-10/21/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-3'	**1310373-004A**	**Soil**	**10/10/2013 11:35**	**GC16**	**83118**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/22/2013 00:45
trans-1,3-Dichloropropene	ND	0.0050	1	10/22/2013 00:45
Diisopropyl ether (DIPE)	ND	0.0050	1	10/22/2013 00:45
Ethylbenzene	ND	0.0050	1	10/22/2013 00:45
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/22/2013 00:45
Freon 113	ND	0.10	1	10/22/2013 00:45
Hexachlorobutadiene	ND	0.0050	1	10/22/2013 00:45
Hexachloroethane	ND	0.0050	1	10/22/2013 00:45
2-Hexanone	ND	0.0050	1	10/22/2013 00:45
Isopropylbenzene	ND	0.0050	1	10/22/2013 00:45
4-Isopropyl toluene	ND	0.0050	1	10/22/2013 00:45
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/22/2013 00:45
Methylene chloride	ND	0.0050	1	10/22/2013 00:45
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/22/2013 00:45
Naphthalene	ND	0.0050	1	10/22/2013 00:45
n-Propyl benzene	ND	0.0050	1	10/22/2013 00:45
Styrene	ND	0.0050	1	10/22/2013 00:45
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/22/2013 00:45
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/22/2013 00:45
Tetrachloroethene	ND	0.0050	1	10/22/2013 00:45
Toluene	ND	0.0050	1	10/22/2013 00:45
1,2,3-Trichlorobenzene	ND	0.0050	1	10/22/2013 00:45
1,2,4-Trichlorobenzene	ND	0.0050	1	10/22/2013 00:45
1,1,1-Trichloroethane	ND	0.0050	1	10/22/2013 00:45
1,1,2-Trichloroethane	ND	0.0050	1	10/22/2013 00:45
Trichloroethene	ND	0.0050	1	10/22/2013 00:45
Trichlorofluoromethane	ND	0.0050	1	10/22/2013 00:45
1,2,3-Trichloropropane	ND	0.0050	1	10/22/2013 00:45
1,2,4-Trimethylbenzene	ND	0.0050	1	10/22/2013 00:45
1,3,5-Trimethylbenzene	ND	0.0050	1	10/22/2013 00:45
Vinyl Chloride	ND	0.0050	1	10/22/2013 00:45
Xylenes, Total	ND	0.0050	1	10/22/2013 00:45

Surrogates	REC (%)	Limits	
Dibromofluoromethane	98	70-130	10/22/2013 00:45
Toluene-d8	104	70-130	10/22/2013 00:45
4-BFB	106	70-130	10/22/2013 00:45

(Cont.)

CDPH ELAP 1644 ♦ NELAP 12283CA

KF Analyst's Initial

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/16/13-10/21/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-3'	**1310373-007A**	**Soil**	**10/10/2013 12:05**	**GC16**	**82907**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/18/2013 20:33
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/18/2013 20:33
Benzene	ND	0.0050	1	10/18/2013 20:33
Bromobenzene	ND	0.0050	1	10/18/2013 20:33
Bromochloromethane	ND	0.0050	1	10/18/2013 20:33
Bromodichloromethane	ND	0.0050	1	10/18/2013 20:33
Bromoform	ND	0.0050	1	10/18/2013 20:33
Bromomethane	ND	0.0050	1	10/18/2013 20:33
2-Butanone (MEK)	ND	0.020	1	10/18/2013 20:33
t-Butyl alcohol (TBA)	ND	0.050	1	10/18/2013 20:33
n-Butyl benzene	ND	0.0050	1	10/18/2013 20:33
sec-Butyl benzene	ND	0.0050	1	10/18/2013 20:33
tert-Butyl benzene	ND	0.0050	1	10/18/2013 20:33
Carbon Disulfide	ND	0.0050	1	10/18/2013 20:33
Carbon Tetrachloride	ND	0.0050	1	10/18/2013 20:33
Chlorobenzene	ND	0.0050	1	10/18/2013 20:33
Chloroethane	ND	0.0050	1	10/18/2013 20:33
Chloroform	ND	0.0050	1	10/18/2013 20:33
Chloromethane	ND	0.0050	1	10/18/2013 20:33
2-Chlorotoluene	ND	0.0050	1	10/18/2013 20:33
4-Chlorotoluene	ND	0.0050	1	10/18/2013 20:33
Dibromochloromethane	ND	0.0050	1	10/18/2013 20:33
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/18/2013 20:33
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/18/2013 20:33
Dibromomethane	ND	0.0050	1	10/18/2013 20:33
1,2-Dichlorobenzene	ND	0.0050	1	10/18/2013 20:33
1,3-Dichlorobenzene	ND	0.0050	1	10/18/2013 20:33
1,4-Dichlorobenzene	ND	0.0050	1	10/18/2013 20:33
Dichlorodifluoromethane	ND	0.0050	1	10/18/2013 20:33
1,1-Dichloroethane	ND	0.0050	1	10/18/2013 20:33
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/18/2013 20:33
1,1-Dichloroethene	ND	0.0050	1	10/18/2013 20:33
cis-1,2-Dichloroethene	ND	0.0050	1	10/18/2013 20:33
trans-1,2-Dichloroethene	ND	0.0050	1	10/18/2013 20:33
1,2-Dichloropropane	ND	0.0050	1	10/18/2013 20:33
1,3-Dichloropropane	ND	0.0050	1	10/18/2013 20:33
2,2-Dichloropropane	ND	0.0050	1	10/18/2013 20:33
1,1-Dichloropropene	ND	0.0050	1	10/18/2013 20:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8260B
Date Prepared:	10/16/13-10/21/13	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-3'	**1310373-007A**	**Soil**	**10/10/2013 12:05**	**GC16**	**82907**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/18/2013 20:33
trans-1,3-Dichloropropene	ND	0.0050	1	10/18/2013 20:33
Diisopropyl ether (DIPE)	ND	0.0050	1	10/18/2013 20:33
Ethylbenzene	ND	0.0050	1	10/18/2013 20:33
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/18/2013 20:33
Freon 113	ND	0.10	1	10/18/2013 20:33
Hexachlorobutadiene	ND	0.0050	1	10/18/2013 20:33
Hexachloroethane	ND	0.0050	1	10/18/2013 20:33
2-Hexanone	ND	0.0050	1	10/18/2013 20:33
Isopropylbenzene	ND	0.0050	1	10/18/2013 20:33
4-Isopropyl toluene	ND	0.0050	1	10/18/2013 20:33
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/18/2013 20:33
Methylene chloride	ND	0.0050	1	10/18/2013 20:33
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/18/2013 20:33
Naphthalene	ND	0.0050	1	10/18/2013 20:33
n-Propyl benzene	ND	0.0050	1	10/18/2013 20:33
Styrene	ND	0.0050	1	10/18/2013 20:33
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/18/2013 20:33
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/18/2013 20:33
Tetrachloroethene	ND	0.0050	1	10/18/2013 20:33
Toluene	ND	0.0050	1	10/18/2013 20:33
1,2,3-Trichlorobenzene	ND	0.0050	1	10/18/2013 20:33
1,2,4-Trichlorobenzene	ND	0.0050	1	10/18/2013 20:33
1,1,1-Trichloroethane	ND	0.0050	1	10/18/2013 20:33
1,1,2-Trichloroethane	ND	0.0050	1	10/18/2013 20:33
Trichloroethene	ND	0.0050	1	10/18/2013 20:33
Trichlorofluoromethane	ND	0.0050	1	10/18/2013 20:33
1,2,3-Trichloropropane	ND	0.0050	1	10/18/2013 20:33
1,2,4-Trimethylbenzene	ND	0.0050	1	10/18/2013 20:33
1,3,5-Trimethylbenzene	ND	0.0050	1	10/18/2013 20:33
Vinyl Chloride	ND	0.0050	1	10/18/2013 20:33
Xylenes, Total	ND	0.0050	1	10/18/2013 20:33

Surrogates	REC (%)	Limits	
Dibromofluoromethane	96	70-130	10/18/2013 20:33
Toluene-d8	112	70-130	10/18/2013 20:33
4-BFB	115	70-130	10/18/2013 20:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/16/13	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-3'	**1310373-004A**	**Soil**	**10/10/2013 11:35**	**GC19**	**82919**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**18**	1.0	1	10/17/2013 23:52
MTBE	**---**	0.050	1	10/17/2013 23:52
Benzene	**---**	0.0050	1	10/17/2013 23:52
Toluene	**---**	0.0050	1	10/17/2013 23:52
Ethylbenzene	**---**	0.0050	1	10/17/2013 23:52
Xylenes	**---**	0.0050	1	10/17/2013 23:52

Surrogates	REC (%)	Limits	Analytical Comments: d1	
2-Fluorotoluene	106	70-130		10/17/2013 23:52

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-3'	**1310373-007A**	**Soil**	**10/10/2013 12:05**	**GC19**	**82919**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/18/2013 02:50
MTBE	**---**	0.050	1	10/18/2013 02:50
Benzene	**---**	0.0050	1	10/18/2013 02:50
Toluene	**---**	0.0050	1	10/18/2013 02:50
Ethylbenzene	**---**	0.0050	1	10/18/2013 02:50
Xylenes	**---**	0.0050	1	10/18/2013 02:50

Surrogates	REC (%)	Limits	
2-Fluorotoluene	106	70-130	10/18/2013 02:50

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Project:	#298931; FSI	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 13:51	**Analytical Method:**	SW8015B
Date Prepared:	10/16/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWS-e-3'	**1310373-004A**	**Soil**	**10/10/2013 11:35**	**GC6A**	**82920**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**28**	1.0	1	10/18/2013 15:17
TPH-Motor Oil (C18-C36)	**27**	5.0	1	10/18/2013 15:17

Surrogates	REC (%)	Limits	Analytical Comments: e4,e7,e2
C9	98	70-130	10/18/2013 15:17

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SWN-e-3'	**1310373-007A**	**Soil**	**10/10/2013 12:05**	**GC6A**	**82920**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/18/2013 16:33
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/18/2013 16:33

Surrogates	REC (%)	Limits	
C9	98	70-130	10/18/2013 16:33

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82907 1310280-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04989	0.0050	0.050	-	99.8	70-130
Benzene	ND	0.04681	0.0050	0.050	-	93.6	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2266	0.050	0.20	-	113	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.04879	0.0050	0.050	-	97.6	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0497	0.0040	0.050	-	99.4	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.05239	0.0040	0.050	-	105	70-130
1,1-Dichloroethene	ND	0.04243	0.0050	0.050	-	84.9	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82907 1310280-002AMS/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	0.04793	0.0050	0.050	-	95.9	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04791	0.0050	0.050	-	95.8	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.05159	0.0050	0.050	-	103	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.05133	0.0050	0.050	-	103	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.05064	0.0050	0.050	-	101	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1205	0.1244		0.12	96	100	70-130
Toluene-d8	0.1443	0.1441		0.12	115	115	70-130
4-BFB	0.01464	0.01313		0.012	117	105	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82907 1310280-002AMS/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
tert-Amyl methyl ether (TAME)	0.04233	0.04272	0.050	ND	84.7	85.4	56-94	0.910	30
Benzene	0.03693	0.03822	0.050	ND	73.9	76.4	60-106	3.43	30
t-Butyl alcohol (TBA)	0.1811	0.1801	0.20	ND	90.6	90.1	56-140	0.541	30
Chlorobenzene	0.04078	0.04018	0.050	ND	81.6	80.4	61-108	1.47	30
1,2-Dibromoethane (EDB)	0.04165	0.04133	0.050	ND	83.3	82.7	54-119	0.772	30
1,2-Dichloroethane (1,2-DCA)	0.04105	0.04229	0.050	ND	82.1	84.6	48-115	2.96	30
1,1-Dichloroethene	0.03109	0.03451	0.050	ND	62.2	69	46-111	10.4	30
Diisopropyl ether (DIPE)	0.03886	0.03949	0.050	ND	77.7	79	53-111	1.62	30
Ethyl tert-butyl ether (ETBE)	0.03922	0.0397	0.050	ND	78.4	79.4	61-104	1.22	30
Methyl-t-butyl ether (MTBE)	0.04172	0.04212	0.050	ND	83.4	84.2	58-107	0.963	30
Toluene	0.04158	0.04113	0.050	ND	83.2	82.3	64-114	1.10	30
Trichloroethene	0.03906	0.04125	0.050	ND	78.1	82.5	60-116	5.43	30
Surrogate Recovery									
Dibromofluoromethane	0.1218	0.1227	0.12		97	98	70-130	0.735	30
Toluene-d8	0.1417	0.1402	0.12		113	112	70-130	1.04	30
4-BFB	0.01292	0.01294	0.012		103	103	70-130	0	30

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:		**BatchID:**	83118
Date Analyzed:		**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	

QC SUMMARY REPORT FOR SW8260B

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/15/13	**BatchID:**	82919
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82919 1310519-008AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.613	0.40	0.60	-	102	70-130
MTBE	ND	0.1009	0.050	0.10	-	101	70-130
Benzene	ND	0.12	0.0050	0.10	-	120	70-130
Toluene	ND	0.1219	0.0050	0.10	-	122	70-130
Ethylbenzene	ND	0.1198	0.0050	0.10	-	120	70-130
Xylenes	ND	0.369	0.0050	0.30	-	123	70-130
Surrogate Recovery							
2-Fluorotoluene	0.1108	0.112		0.10	111	112	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.567	0.6371	0.60	ND	94.5	106	70-130	11.6	20
MTBE	0.08772	0.08591	0.10	ND	87.7	85.9	70-130	2.08	20
Benzene	0.1205	0.1165	0.10	ND	121	116	70-130	3.43	20
Toluene	0.1203	0.1175	0.10	ND	120	118	70-130	2.31	20
Ethylbenzene	0.1179	0.1157	0.10	ND	118	116	70-130	1.93	20
Xylenes	0.3701	0.3674	0.30	ND	123	122	70-130	0.735	20
Surrogate Recovery									
2-Fluorotoluene	0.1109	0.1017	0.10		111	102	70-130	8.72	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310373
Date Prepared:	10/15/13	**BatchID:**	82920
Date Analyzed:	10/16/13 - 10/17/13	**Extraction Method**	SW3550B/3630C
Instrument:	GC6A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#298931; FSI	**Sample ID:**	MB/LCS-82920 1310517-015AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	38.48	1.0	40	-	96.2	70-130
Surrogate Recovery							
C9	27.87	22.4		25	111	90	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	NR	NR	0	310	NR	NR	-	NR	
Surrogate Recovery									
C9	NR	NR	0		NR	NR	-	NR	

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310373 A **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ 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:
PO: #WC084379
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 1 day
Date Received: **10/10/2013**
Date Add-On: **10/16/2013**
Date Printed: **10/16/2013**

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
1310373-004	SWS-e-3'	Soil	10/10/2013 11:35	☐	A	A	A									
1310373-007	SWN-e-3'	Soil	10/10/2013 12:05	☐	A	A	A									

Test Legend:

1	8260B_S	2	G-MBTEX_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments: Samples 004 & 007 taken off hold and setup for MultiRange w/SG & VOCs 10/16/13 5d.

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.

RUSH

1310373

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

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

EDF Required? ■ Yes ☐ No PDF Required? ■ Yes ☐ No

Report To: Jeremy Smith Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC0843 79 Global ID: T0600100655

E-Mail: jasmith@aeiconsultatns.com

Telephone: (925) 746-6000, ext. 1128 Fax: (925) 746-6099

AEI Project No. 298931 Project Name: FSI

Project Location: 1630 Park St., Alameda, CA 94501

Sampler Signature: [signature]

SAMPLE ID	FIELD POINT NAME	SAMPLING Date	SAMPLING Time	# of 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	Analysis Request: TPH-G (EPA 8015 M)	Analysis Request: TPH-D / TPH-MO (EPA 8015 M w/ Silica Gel Clean-up)	Analysis Request: BTEX, MTBE (EPA 8260B)	Analysis Request: VOC's 8260	Analysis Request: HOLD
EBE-12'		10/10/13	11:10	1	STL		X				X				X	X	X	X	
SWS-e-10'			11:25												X	X		X	
SWS-e-6'			11:30												X	X		X	
SWS-e-3'			11:35												X	X		X	X
SWN-e-10'			12:00												X	X		X	
SWN-e-6'			12:00												X	X		X	
SWN-e-3'			12:05												X	X		X	X

Relinquished By:	Date:	Time:	Received By:
Andrew Wallace	10/10/13	1:40	[signature]
Relinquished By:	Date:	Time:	Received By:
			[signature]
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.2

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

PRESERVATION APPROPRIATE CONTAINERS_____

PERSERVED IN LAB_____

VOAS	O&G	METALS	OTHER

added 10/16/13 STAT

Other

Comments

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310870

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: #WC084429
Project Name: #298931; FSI

Project Received: 10/25/2013

Analytical Report reviewed & approved for release on 11/06/2013 by:

Question about your data?

Click here to email McCampbell

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: #298931; FSI
WorkOrder: 1310870

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
S	spike recovery outside accepted recovery limits
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant

Quality Control Qualifier	
F1	MS/MSD recovery was out of acceptance criteria; LCS validated the prep batch.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1	**1310870-001B**	**Water**	**10/24/2013**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	20	2	10/28/2013 23:33
tert-Amyl methyl ether (TAME)	ND	1.0	2	10/28/2013 23:33
Benzene	**39**	1.0	2	10/28/2013 23:33
Bromobenzene	ND	1.0	2	10/28/2013 23:33
Bromochloromethane	ND	1.0	2	10/28/2013 23:33
Bromodichloromethane	ND	1.0	2	10/28/2013 23:33
Bromoform	ND	1.0	2	10/28/2013 23:33
Bromomethane	ND	1.0	2	10/28/2013 23:33
2-Butanone (MEK)	ND	4.0	2	10/28/2013 23:33
t-Butyl alcohol (TBA)	ND	4.0	2	10/28/2013 23:33
n-Butyl benzene	ND	1.0	2	10/28/2013 23:33
sec-Butyl benzene	**1.3**	1.0	2	10/28/2013 23:33
tert-Butyl benzene	ND	1.0	2	10/28/2013 23:33
Carbon Disulfide	ND	1.0	2	10/28/2013 23:33
Carbon Tetrachloride	ND	1.0	2	10/28/2013 23:33
Chlorobenzene	ND	1.0	2	10/28/2013 23:33
Chloroethane	ND	1.0	2	10/28/2013 23:33
Chloroform	ND	1.0	2	10/28/2013 23:33
Chloromethane	ND	1.0	2	10/28/2013 23:33
2-Chlorotoluene	ND	1.0	2	10/28/2013 23:33
4-Chlorotoluene	ND	1.0	2	10/28/2013 23:33
Dibromochloromethane	ND	1.0	2	10/28/2013 23:33
1,2-Dibromo-3-chloropropane	ND	0.40	2	10/28/2013 23:33
1,2-Dibromoethane (EDB)	ND	1.0	2	10/28/2013 23:33
Dibromomethane	ND	1.0	2	10/28/2013 23:33
1,2-Dichlorobenzene	ND	1.0	2	10/28/2013 23:33
1,3-Dichlorobenzene	ND	1.0	2	10/28/2013 23:33
1,4-Dichlorobenzene	ND	1.0	2	10/28/2013 23:33
Dichlorodifluoromethane	ND	1.0	2	10/28/2013 23:33
1,1-Dichloroethane	ND	1.0	2	10/28/2013 23:33
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2	10/28/2013 23:33
1,1-Dichloroethene	ND	1.0	2	10/28/2013 23:33
cis-1,2-Dichloroethene	ND	1.0	2	10/28/2013 23:33
trans-1,2-Dichloroethene	ND	1.0	2	10/28/2013 23:33
1,2-Dichloropropane	ND	1.0	2	10/28/2013 23:33
1,3-Dichloropropane	ND	1.0	2	10/28/2013 23:33
2,2-Dichloropropane	ND	1.0	2	10/28/2013 23:33
1,1-Dichloropropene	ND	1.0	2	10/28/2013 23:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1	**1310870-001B**	**Water**	**10/24/2013**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	1.0	2	10/28/2013 23:33
trans-1,3-Dichloropropene	ND	1.0	2	10/28/2013 23:33
Diisopropyl ether (DIPE)	ND	1.0	2	10/28/2013 23:33
Ethylbenzene	**29**	1.0	2	10/28/2013 23:33
Ethyl tert-butyl ether (ETBE)	ND	1.0	2	10/28/2013 23:33
Freon 113	ND	1.0	2	10/28/2013 23:33
Hexachlorobutadiene	ND	1.0	2	10/28/2013 23:33
Hexachloroethane	ND	1.0	2	10/28/2013 23:33
2-Hexanone	ND	1.0	2	10/28/2013 23:33
Isopropylbenzene	**3.6**	1.0	2	10/28/2013 23:33
4-Isopropyl toluene	ND	1.0	2	10/28/2013 23:33
Methyl-t-butyl ether (MTBE)	ND	1.0	2	10/28/2013 23:33
Methylene chloride	ND	1.0	2	10/28/2013 23:33
4-Methyl-2-pentanone (MIBK)	ND	1.0	2	10/28/2013 23:33
Naphthalene	**19**	1.0	2	10/28/2013 23:33
n-Propyl benzene	**3.3**	1.0	2	10/28/2013 23:33
Styrene	ND	1.0	2	10/28/2013 23:33
1,1,1,2-Tetrachloroethane	ND	1.0	2	10/28/2013 23:33
1,1,2,2-Tetrachloroethane	ND	1.0	2	10/28/2013 23:33
Tetrachloroethene	ND	1.0	2	10/28/2013 23:33
Toluene	ND	1.0	2	10/28/2013 23:33
1,2,3-Trichlorobenzene	ND	1.0	2	10/28/2013 23:33
1,2,4-Trichlorobenzene	ND	1.0	2	10/28/2013 23:33
1,1,1-Trichloroethane	ND	1.0	2	10/28/2013 23:33
1,1,2-Trichloroethane	ND	1.0	2	10/28/2013 23:33
Trichloroethene	ND	1.0	2	10/28/2013 23:33
Trichlorofluoromethane	ND	1.0	2	10/28/2013 23:33
1,2,3-Trichloropropane	**6.4**	1.0	2	10/28/2013 23:33
1,2,4-Trimethylbenzene	**29**	1.0	2	10/28/2013 23:33
1,3,5-Trimethylbenzene	ND	1.0	2	10/28/2013 23:33
Vinyl Chloride	ND	1.0	2	10/28/2013 23:33
Xylenes, Total	**5.2**	1.0	2	10/28/2013 23:33

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/28/2013 23:33
Toluene-d8	97	70-130	10/28/2013 23:33
4-BFB	90	70-130	10/28/2013 23:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-2	**1310870-002B**	**Water**	**10/24/2013 16:50**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/28/2013 12:41
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/28/2013 12:41
Benzene	**5.0**	0.50	1	10/28/2013 12:41
Bromobenzene	ND	0.50	1	10/28/2013 12:41
Bromochloromethane	ND	0.50	1	10/28/2013 12:41
Bromodichloromethane	ND	0.50	1	10/28/2013 12:41
Bromoform	ND	0.50	1	10/28/2013 12:41
Bromomethane	ND	0.50	1	10/28/2013 12:41
2-Butanone (MEK)	ND	2.0	1	10/28/2013 12:41
t-Butyl alcohol (TBA)	**13**	2.0	1	10/28/2013 12:41
n-Butyl benzene	**1.7**	0.50	1	10/28/2013 12:41
sec-Butyl benzene	**2.4**	0.50	1	10/28/2013 12:41
tert-Butyl benzene	ND	0.50	1	10/28/2013 12:41
Carbon Disulfide	ND	0.50	1	10/28/2013 12:41
Carbon Tetrachloride	ND	0.50	1	10/28/2013 12:41
Chlorobenzene	ND	0.50	1	10/28/2013 12:41
Chloroethane	ND	0.50	1	10/28/2013 12:41
Chloroform	ND	0.50	1	10/28/2013 12:41
Chloromethane	ND	0.50	1	10/28/2013 12:41
2-Chlorotoluene	ND	0.50	1	10/28/2013 12:41
4-Chlorotoluene	ND	0.50	1	10/28/2013 12:41
Dibromochloromethane	ND	0.50	1	10/28/2013 12:41
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/28/2013 12:41
1,2-Dibromoethane (EDB)	ND	0.50	1	10/28/2013 12:41
Dibromomethane	ND	0.50	1	10/28/2013 12:41
1,2-Dichlorobenzene	ND	0.50	1	10/28/2013 12:41
1,3-Dichlorobenzene	ND	0.50	1	10/28/2013 12:41
1,4-Dichlorobenzene	ND	0.50	1	10/28/2013 12:41
Dichlorodifluoromethane	ND	0.50	1	10/28/2013 12:41
1,1-Dichloroethane	ND	0.50	1	10/28/2013 12:41
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/28/2013 12:41
1,1-Dichloroethene	ND	0.50	1	10/28/2013 12:41
cis-1,2-Dichloroethene	ND	0.50	1	10/28/2013 12:41
trans-1,2-Dichloroethene	ND	0.50	1	10/28/2013 12:41
1,2-Dichloropropane	ND	0.50	1	10/28/2013 12:41
1,3-Dichloropropane	ND	0.50	1	10/28/2013 12:41
2,2-Dichloropropane	ND	0.50	1	10/28/2013 12:41
1,1-Dichloropropene	ND	0.50	1	10/28/2013 12:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-2	**1310870-002B**	**Water**	**10/24/2013 16:50**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/28/2013 12:41
trans-1,3-Dichloropropene	ND	0.50	1	10/28/2013 12:41
Diisopropyl ether (DIPE)	ND	0.50	1	10/28/2013 12:41
Ethylbenzene	**2.8**	0.50	1	10/28/2013 12:41
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/28/2013 12:41
Freon 113	ND	0.50	1	10/28/2013 12:41
Hexachlorobutadiene	ND	0.50	1	10/28/2013 12:41
Hexachloroethane	ND	0.50	1	10/28/2013 12:41
2-Hexanone	ND	0.50	1	10/28/2013 12:41
Isopropylbenzene	**1.1**	0.50	1	10/28/2013 12:41
4-Isopropyl toluene	**0.89**	0.50	1	10/28/2013 12:41
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/28/2013 12:41
Methylene chloride	ND	0.50	1	10/28/2013 12:41
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/28/2013 12:41
Naphthalene	**24**	0.50	1	10/28/2013 12:41
n-Propyl benzene	**0.75**	0.50	1	10/28/2013 12:41
Styrene	ND	0.50	1	10/28/2013 12:41
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/28/2013 12:41
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/28/2013 12:41
Tetrachloroethene	ND	0.50	1	10/28/2013 12:41
Toluene	ND	0.50	1	10/28/2013 12:41
1,2,3-Trichlorobenzene	ND	0.50	1	10/28/2013 12:41
1,2,4-Trichlorobenzene	ND	0.50	1	10/28/2013 12:41
1,1,1-Trichloroethane	ND	0.50	1	10/28/2013 12:41
1,1,2-Trichloroethane	ND	0.50	1	10/28/2013 12:41
Trichloroethene	**5.5**	0.50	1	10/28/2013 12:41
Trichlorofluoromethane	ND	0.50	1	10/28/2013 12:41
1,2,3-Trichloropropane	**1.9**	0.50	1	10/28/2013 12:41
1,2,4-Trimethylbenzene	**4.6**	0.50	1	10/28/2013 12:41
1,3,5-Trimethylbenzene	**1.7**	0.50	1	10/28/2013 12:41
Vinyl Chloride	ND	0.50	1	10/28/2013 12:41
Xylenes, Total	**1.3**	0.50	1	10/28/2013 12:41

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	10/28/2013 12:41
Toluene-d8	98	70-130	10/28/2013 12:41
4-BFB	89	70-130	10/28/2013 12:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-3	**1310870-003B**	**Water**	**10/24/2013 14:05**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	25	2.5	10/29/2013 00:49
tert-Amyl methyl ether (TAME)	ND	1.2	2.5	10/29/2013 00:49
Benzene	**4.2**	1.2	2.5	10/29/2013 00:49
Bromobenzene	ND	1.2	2.5	10/29/2013 00:49
Bromochloromethane	ND	1.2	2.5	10/29/2013 00:49
Bromodichloromethane	ND	1.2	2.5	10/29/2013 00:49
Bromoform	ND	1.2	2.5	10/29/2013 00:49
Bromomethane	ND	1.2	2.5	10/29/2013 00:49
2-Butanone (MEK)	ND	5.0	2.5	10/29/2013 00:49
t-Butyl alcohol (TBA)	**5.9**	5.0	2.5	10/29/2013 00:49
n-Butyl benzene	ND	1.2	2.5	10/29/2013 00:49
sec-Butyl benzene	ND	1.2	2.5	10/29/2013 00:49
tert-Butyl benzene	ND	1.2	2.5	10/29/2013 00:49
Carbon Disulfide	ND	1.2	2.5	10/29/2013 00:49
Carbon Tetrachloride	ND	1.2	2.5	10/29/2013 00:49
Chlorobenzene	ND	1.2	2.5	10/29/2013 00:49
Chloroethane	ND	1.2	2.5	10/29/2013 00:49
Chloroform	ND	1.2	2.5	10/29/2013 00:49
Chloromethane	ND	1.2	2.5	10/29/2013 00:49
2-Chlorotoluene	ND	1.2	2.5	10/29/2013 00:49
4-Chlorotoluene	ND	1.2	2.5	10/29/2013 00:49
Dibromochloromethane	ND	1.2	2.5	10/29/2013 00:49
1,2-Dibromo-3-chloropropane	ND	0.50	2.5	10/29/2013 00:49
1,2-Dibromoethane (EDB)	ND	1.2	2.5	10/29/2013 00:49
Dibromomethane	ND	1.2	2.5	10/29/2013 00:49
1,2-Dichlorobenzene	ND	1.2	2.5	10/29/2013 00:49
1,3-Dichlorobenzene	ND	1.2	2.5	10/29/2013 00:49
1,4-Dichlorobenzene	ND	1.2	2.5	10/29/2013 00:49
Dichlorodifluoromethane	ND	1.2	2.5	10/29/2013 00:49
1,1-Dichloroethane	ND	1.2	2.5	10/29/2013 00:49
1,2-Dichloroethane (1,2-DCA)	ND	1.2	2.5	10/29/2013 00:49
1,1-Dichloroethene	ND	1.2	2.5	10/29/2013 00:49
cis-1,2-Dichloroethene	**1.3**	1.2	2.5	10/29/2013 00:49
trans-1,2-Dichloroethene	ND	1.2	2.5	10/29/2013 00:49
1,2-Dichloropropane	ND	1.2	2.5	10/29/2013 00:49
1,3-Dichloropropane	ND	1.2	2.5	10/29/2013 00:49
2,2-Dichloropropane	ND	1.2	2.5	10/29/2013 00:49
1,1-Dichloropropene	ND	1.2	2.5	10/29/2013 00:49

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-3	**1310870-003B**	**Water**	**10/24/2013 14:05**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	1.2	2.5	10/29/2013 00:49
trans-1,3-Dichloropropene	ND	1.2	2.5	10/29/2013 00:49
Diisopropyl ether (DIPE)	ND	1.2	2.5	10/29/2013 00:49
Ethylbenzene	ND	1.2	2.5	10/29/2013 00:49
Ethyl tert-butyl ether (ETBE)	ND	1.2	2.5	10/29/2013 00:49
Freon 113	ND	1.2	2.5	10/29/2013 00:49
Hexachlorobutadiene	ND	1.2	2.5	10/29/2013 00:49
Hexachloroethane	ND	1.2	2.5	10/29/2013 00:49
2-Hexanone	ND	1.2	2.5	10/29/2013 00:49
Isopropylbenzene	ND	1.2	2.5	10/29/2013 00:49
4-Isopropyl toluene	ND	1.2	2.5	10/29/2013 00:49
Methyl-t-butyl ether (MTBE)	ND	1.2	2.5	10/29/2013 00:49
Methylene chloride	ND	1.2	2.5	10/29/2013 00:49
4-Methyl-2-pentanone (MIBK)	ND	1.2	2.5	10/29/2013 00:49
Naphthalene	**24**	1.2	2.5	10/29/2013 00:49
n-Propyl benzene	ND	1.2	2.5	10/29/2013 00:49
Styrene	ND	1.2	2.5	10/29/2013 00:49
1,1,1,2-Tetrachloroethane	ND	1.2	2.5	10/29/2013 00:49
1,1,2,2-Tetrachloroethane	ND	1.2	2.5	10/29/2013 00:49
Tetrachloroethene	ND	1.2	2.5	10/29/2013 00:49
Toluene	ND	1.2	2.5	10/29/2013 00:49
1,2,3-Trichlorobenzene	ND	1.2	2.5	10/29/2013 00:49
1,2,4-Trichlorobenzene	ND	1.2	2.5	10/29/2013 00:49
1,1,1-Trichloroethane	ND	1.2	2.5	10/29/2013 00:49
1,1,2-Trichloroethane	ND	1.2	2.5	10/29/2013 00:49
Trichloroethene	**64**	1.2	2.5	10/29/2013 00:49
Trichlorofluoromethane	ND	1.2	2.5	10/29/2013 00:49
1,2,3-Trichloropropane	ND	1.2	2.5	10/29/2013 00:49
1,2,4-Trimethylbenzene	**1.4**	1.2	2.5	10/29/2013 00:49
1,3,5-Trimethylbenzene	ND	1.2	2.5	10/29/2013 00:49
Vinyl Chloride	ND	1.2	2.5	10/29/2013 00:49
Xylenes, Total	ND	1.2	2.5	10/29/2013 00:49

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/29/2013 00:49
Toluene-d8	99	70-130	10/29/2013 00:49
4-BFB	93	70-130	10/29/2013 00:49

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-4	**1310870-004B**	**Water**	**10/24/2013 10:14**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 12:55
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 12:55
Benzene	ND	0.50	1	10/29/2013 12:55
Bromobenzene	ND	0.50	1	10/29/2013 12:55
Bromochloromethane	ND	0.50	1	10/29/2013 12:55
Bromodichloromethane	ND	0.50	1	10/29/2013 12:55
Bromoform	ND	0.50	1	10/29/2013 12:55
Bromomethane	ND	0.50	1	10/29/2013 12:55
2-Butanone (MEK)	ND	2.0	1	10/29/2013 12:55
t-Butyl alcohol (TBA)	ND	2.0	1	10/29/2013 12:55
n-Butyl benzene	ND	0.50	1	10/29/2013 12:55
sec-Butyl benzene	ND	0.50	1	10/29/2013 12:55
tert-Butyl benzene	ND	0.50	1	10/29/2013 12:55
Carbon Disulfide	ND	0.50	1	10/29/2013 12:55
Carbon Tetrachloride	ND	0.50	1	10/29/2013 12:55
Chlorobenzene	ND	0.50	1	10/29/2013 12:55
Chloroethane	ND	0.50	1	10/29/2013 12:55
Chloroform	**9.8**	0.50	1	10/29/2013 12:55
Chloromethane	ND	0.50	1	10/29/2013 12:55
2-Chlorotoluene	ND	0.50	1	10/29/2013 12:55
4-Chlorotoluene	ND	0.50	1	10/29/2013 12:55
Dibromochloromethane	ND	0.50	1	10/29/2013 12:55
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 12:55
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 12:55
Dibromomethane	ND	0.50	1	10/29/2013 12:55
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 12:55
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 12:55
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 12:55
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 12:55
1,1-Dichloroethane	ND	0.50	1	10/29/2013 12:55
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 12:55
1,1-Dichloroethene	ND	0.50	1	10/29/2013 12:55
cis-1,2-Dichloroethene	ND	0.50	1	10/29/2013 12:55
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 12:55
1,2-Dichloropropane	ND	0.50	1	10/29/2013 12:55
1,3-Dichloropropane	ND	0.50	1	10/29/2013 12:55
2,2-Dichloropropane	ND	0.50	1	10/29/2013 12:55
1,1-Dichloropropene	ND	0.50	1	10/29/2013 12:55

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-4	**1310870-004B**	**Water**	**10/24/2013 10:14**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 12:55
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 12:55
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 12:55
Ethylbenzene	ND	0.50	1	10/29/2013 12:55
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 12:55
Freon 113	ND	0.50	1	10/29/2013 12:55
Hexachlorobutadiene	ND	0.50	1	10/29/2013 12:55
Hexachloroethane	ND	0.50	1	10/29/2013 12:55
2-Hexanone	ND	0.50	1	10/29/2013 12:55
Isopropylbenzene	ND	0.50	1	10/29/2013 12:55
4-Isopropyl toluene	ND	0.50	1	10/29/2013 12:55
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 12:55
Methylene chloride	ND	0.50	1	10/29/2013 12:55
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 12:55
Naphthalene	ND	0.50	1	10/29/2013 12:55
n-Propyl benzene	ND	0.50	1	10/29/2013 12:55
Styrene	ND	0.50	1	10/29/2013 12:55
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 12:55
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 12:55
Tetrachloroethene	**13**	0.50	1	10/29/2013 12:55
Toluene	ND	0.50	1	10/29/2013 12:55
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 12:55
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 12:55
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 12:55
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 12:55
Trichloroethene	**18**	0.50	1	10/29/2013 12:55
Trichlorofluoromethane	ND	0.50	1	10/29/2013 12:55
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 12:55
1,2,4-Trimethylbenzene	ND	0.50	1	10/29/2013 12:55
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 12:55
Vinyl Chloride	ND	0.50	1	10/29/2013 12:55
Xylenes, Total	ND	0.50	1	10/29/2013 12:55

Surrogates	REC (%)	Limits	
Dibromofluoromethane	105	70-130	10/29/2013 12:55
Toluene-d8	100	70-130	10/29/2013 12:55
4-BFB	94	70-130	10/29/2013 12:55

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CDPH ELAP 1644 ♦ NELAP 12283CA KF Analyst's Initial Angela Rydelius, Lab Manager

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-5	**1310870-005B**	**Water**	**10/24/2013 10:59**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 13:33
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 13:33
Benzene	**5.2**	0.50	1	10/29/2013 13:33
Bromobenzene	ND	0.50	1	10/29/2013 13:33
Bromochloromethane	ND	0.50	1	10/29/2013 13:33
Bromodichloromethane	ND	0.50	1	10/29/2013 13:33
Bromoform	ND	0.50	1	10/29/2013 13:33
Bromomethane	ND	0.50	1	10/29/2013 13:33
2-Butanone (MEK)	ND	2.0	1	10/29/2013 13:33
t-Butyl alcohol (TBA)	ND	2.0	1	10/29/2013 13:33
n-Butyl benzene	ND	0.50	1	10/29/2013 13:33
sec-Butyl benzene	ND	0.50	1	10/29/2013 13:33
tert-Butyl benzene	ND	0.50	1	10/29/2013 13:33
Carbon Disulfide	ND	0.50	1	10/29/2013 13:33
Carbon Tetrachloride	ND	0.50	1	10/29/2013 13:33
Chlorobenzene	ND	0.50	1	10/29/2013 13:33
Chloroethane	ND	0.50	1	10/29/2013 13:33
Chloroform	ND	0.50	1	10/29/2013 13:33
Chloromethane	ND	0.50	1	10/29/2013 13:33
2-Chlorotoluene	ND	0.50	1	10/29/2013 13:33
4-Chlorotoluene	ND	0.50	1	10/29/2013 13:33
Dibromochloromethane	ND	0.50	1	10/29/2013 13:33
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 13:33
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 13:33
Dibromomethane	ND	0.50	1	10/29/2013 13:33
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 13:33
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 13:33
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 13:33
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 13:33
1,1-Dichloroethane	ND	0.50	1	10/29/2013 13:33
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 13:33
1,1-Dichloroethene	ND	0.50	1	10/29/2013 13:33
cis-1,2-Dichloroethene	**0.59**	0.50	1	10/29/2013 13:33
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 13:33
1,2-Dichloropropane	ND	0.50	1	10/29/2013 13:33
1,3-Dichloropropane	ND	0.50	1	10/29/2013 13:33
2,2-Dichloropropane	ND	0.50	1	10/29/2013 13:33
1,1-Dichloropropene	ND	0.50	1	10/29/2013 13:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-5	**1310870-005B**	**Water**	**10/24/2013 10:59**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 13:33
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 13:33
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 13:33
Ethylbenzene	**0.73**	0.50	1	10/29/2013 13:33
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 13:33
Freon 113	ND	0.50	1	10/29/2013 13:33
Hexachlorobutadiene	ND	0.50	1	10/29/2013 13:33
Hexachloroethane	ND	0.50	1	10/29/2013 13:33
2-Hexanone	ND	0.50	1	10/29/2013 13:33
Isopropylbenzene	ND	0.50	1	10/29/2013 13:33
4-Isopropyl toluene	ND	0.50	1	10/29/2013 13:33
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 13:33
Methylene chloride	ND	0.50	1	10/29/2013 13:33
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 13:33
Naphthalene	**1.3**	0.50	1	10/29/2013 13:33
n-Propyl benzene	ND	0.50	1	10/29/2013 13:33
Styrene	ND	0.50	1	10/29/2013 13:33
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 13:33
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 13:33
Tetrachloroethene	**6.7**	0.50	1	10/29/2013 13:33
Toluene	ND	0.50	1	10/29/2013 13:33
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 13:33
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 13:33
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 13:33
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 13:33
Trichloroethene	**16**	0.50	1	10/29/2013 13:33
Trichlorofluoromethane	ND	0.50	1	10/29/2013 13:33
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 13:33
1,2,4-Trimethylbenzene	**8.0**	0.50	1	10/29/2013 13:33
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 13:33
Vinyl Chloride	ND	0.50	1	10/29/2013 13:33
Xylenes, Total	**1.9**	0.50	1	10/29/2013 13:33

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	10/29/2013 13:33
Toluene-d8	99	70-130	10/29/2013 13:33
4-BFB	96	70-130	10/29/2013 13:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-1	**1310870-006B**	**Water**	**10/24/2013 15:00**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 17:04
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 17:04
Benzene	**6.1**	0.50	1	10/29/2013 17:04
Bromobenzene	ND	0.50	1	10/29/2013 17:04
Bromochloromethane	ND	0.50	1	10/29/2013 17:04
Bromodichloromethane	ND	0.50	1	10/29/2013 17:04
Bromoform	ND	0.50	1	10/29/2013 17:04
Bromomethane	ND	0.50	1	10/29/2013 17:04
2-Butanone (MEK)	ND	2.0	1	10/29/2013 17:04
t-Butyl alcohol (TBA)	**9.5**	2.0	1	10/29/2013 17:04
n-Butyl benzene	ND	0.50	1	10/29/2013 17:04
sec-Butyl benzene	**1.9**	0.50	1	10/29/2013 17:04
tert-Butyl benzene	ND	0.50	1	10/29/2013 17:04
Carbon Disulfide	ND	0.50	1	10/29/2013 17:04
Carbon Tetrachloride	ND	0.50	1	10/29/2013 17:04
Chlorobenzene	ND	0.50	1	10/29/2013 17:04
Chloroethane	ND	0.50	1	10/29/2013 17:04
Chloroform	ND	0.50	1	10/29/2013 17:04
Chloromethane	ND	0.50	1	10/29/2013 17:04
2-Chlorotoluene	ND	0.50	1	10/29/2013 17:04
4-Chlorotoluene	ND	0.50	1	10/29/2013 17:04
Dibromochloromethane	ND	0.50	1	10/29/2013 17:04
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 17:04
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 17:04
Dibromomethane	ND	0.50	1	10/29/2013 17:04
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 17:04
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 17:04
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 17:04
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 17:04
1,1-Dichloroethane	ND	0.50	1	10/29/2013 17:04
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 17:04
1,1-Dichloroethene	ND	0.50	1	10/29/2013 17:04
cis-1,2-Dichloroethene	ND	0.50	1	10/29/2013 17:04
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 17:04
1,2-Dichloropropane	ND	0.50	1	10/29/2013 17:04
1,3-Dichloropropane	ND	0.50	1	10/29/2013 17:04
2,2-Dichloropropane	ND	0.50	1	10/29/2013 17:04
1,1-Dichloropropene	ND	0.50	1	10/29/2013 17:04

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-1	**1310870-006B**	**Water**	**10/24/2013 15:00**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 17:04
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 17:04
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 17:04
Ethylbenzene	**3.6**	0.50	1	10/29/2013 17:04
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 17:04
Freon 113	ND	0.50	1	10/29/2013 17:04
Hexachlorobutadiene	ND	0.50	1	10/29/2013 17:04
Hexachloroethane	ND	0.50	1	10/29/2013 17:04
2-Hexanone	ND	0.50	1	10/29/2013 17:04
Isopropylbenzene	**3.5**	0.50	1	10/29/2013 17:04
4-Isopropyl toluene	**1.4**	0.50	1	10/29/2013 17:04
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 17:04
Methylene chloride	ND	0.50	1	10/29/2013 17:04
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 17:04
Naphthalene	ND	0.50	1	10/29/2013 17:04
n-Propyl benzene	**4.2**	0.50	1	10/29/2013 17:04
Styrene	ND	0.50	1	10/29/2013 17:04
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 17:04
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 17:04
Tetrachloroethene	ND	0.50	1	10/29/2013 17:04
Toluene	**0.78**	0.50	1	10/29/2013 17:04
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 17:04
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 17:04
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 17:04
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 17:04
Trichloroethene	ND	0.50	1	10/29/2013 17:04
Trichlorofluoromethane	ND	0.50	1	10/29/2013 17:04
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 17:04
1,2,4-Trimethylbenzene	**14**	0.50	1	10/29/2013 17:04
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 17:04
Vinyl Chloride	ND	0.50	1	10/29/2013 17:04
Xylenes, Total	**3.5**	0.50	1	10/29/2013 17:04

Surrogates	REC (%)	Limits	
Dibromofluoromethane	100	70-130	10/29/2013 17:04
Toluene-d8	95	70-130	10/29/2013 17:04
4-BFB	92	70-130	10/29/2013 17:04

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-4	**1310870-007B**	**Water**	**10/24/2013 14:30**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 22:29
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 22:29
Benzene	**4.4**	0.50	1	10/29/2013 22:29
Bromobenzene	ND	0.50	1	10/29/2013 22:29
Bromochloromethane	ND	0.50	1	10/29/2013 22:29
Bromodichloromethane	ND	0.50	1	10/29/2013 22:29
Bromoform	ND	0.50	1	10/29/2013 22:29
Bromomethane	ND	0.50	1	10/29/2013 22:29
2-Butanone (MEK)	ND	2.0	1	10/29/2013 22:29
t-Butyl alcohol (TBA)	**16**	2.0	1	10/29/2013 22:29
n-Butyl benzene	ND	0.50	1	10/29/2013 22:29
sec-Butyl benzene	**2.1**	0.50	1	10/29/2013 22:29
tert-Butyl benzene	ND	0.50	1	10/29/2013 22:29
Carbon Disulfide	ND	0.50	1	10/29/2013 22:29
Carbon Tetrachloride	ND	0.50	1	10/29/2013 22:29
Chlorobenzene	ND	0.50	1	10/29/2013 22:29
Chloroethane	ND	0.50	1	10/29/2013 22:29
Chloroform	ND	0.50	1	10/29/2013 22:29
Chloromethane	ND	0.50	1	10/29/2013 22:29
2-Chlorotoluene	ND	0.50	1	10/29/2013 22:29
4-Chlorotoluene	ND	0.50	1	10/29/2013 22:29
Dibromochloromethane	ND	0.50	1	10/29/2013 22:29
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 22:29
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 22:29
Dibromomethane	ND	0.50	1	10/29/2013 22:29
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 22:29
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 22:29
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 22:29
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 22:29
1,1-Dichloroethane	ND	0.50	1	10/29/2013 22:29
1,2-Dichloroethane (1,2-DCA)	**4.1**	0.50	1	10/29/2013 22:29
1,1-Dichloroethene	ND	0.50	1	10/29/2013 22:29
cis-1,2-Dichloroethene	ND	0.50	1	10/29/2013 22:29
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 22:29
1,2-Dichloropropane	ND	0.50	1	10/29/2013 22:29
1,3-Dichloropropane	ND	0.50	1	10/29/2013 22:29
2,2-Dichloropropane	ND	0.50	1	10/29/2013 22:29
1,1-Dichloropropene	ND	0.50	1	10/29/2013 22:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-4	**1310870-007B**	**Water**	**10/24/2013 14:30**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 22:29
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 22:29
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 22:29
Ethylbenzene	ND	0.50	1	10/29/2013 22:29
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 22:29
Freon 113	ND	0.50	1	10/29/2013 22:29
Hexachlorobutadiene	ND	0.50	1	10/29/2013 22:29
Hexachloroethane	ND	0.50	1	10/29/2013 22:29
2-Hexanone	ND	0.50	1	10/29/2013 22:29
Isopropylbenzene	**1.1**	0.50	1	10/29/2013 22:29
4-Isopropyl toluene	**0.60**	0.50	1	10/29/2013 22:29
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 22:29
Methylene chloride	ND	0.50	1	10/29/2013 22:29
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 22:29
Naphthalene	ND	0.50	1	10/29/2013 22:29
n-Propyl benzene	ND	0.50	1	10/29/2013 22:29
Styrene	ND	0.50	1	10/29/2013 22:29
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 22:29
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 22:29
Tetrachloroethene	ND	0.50	1	10/29/2013 22:29
Toluene	ND	0.50	1	10/29/2013 22:29
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 22:29
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 22:29
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 22:29
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 22:29
Trichloroethene	**1.7**	0.50	1	10/29/2013 22:29
Trichlorofluoromethane	ND	0.50	1	10/29/2013 22:29
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 22:29
1,2,4-Trimethylbenzene	ND	0.50	1	10/29/2013 22:29
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 22:29
Vinyl Chloride	ND	0.50	1	10/29/2013 22:29
Xylenes, Total	**0.53**	0.50	1	10/29/2013 22:29

Surrogates	REC (%)	Limits	
Dibromofluoromethane	107	70-130	10/29/2013 22:29
Toluene-d8	97	70-130	10/29/2013 22:29
4-BFB	96	70-130	10/29/2013 22:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-6	**1310870-008B**	**Water**	**10/24/2013 15:30**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 15:08
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 15:08
Benzene	ND	0.50	1	10/29/2013 15:08
Bromobenzene	ND	0.50	1	10/29/2013 15:08
Bromochloromethane	ND	0.50	1	10/29/2013 15:08
Bromodichloromethane	ND	0.50	1	10/29/2013 15:08
Bromoform	ND	0.50	1	10/29/2013 15:08
Bromomethane	ND	0.50	1	10/29/2013 15:08
2-Butanone (MEK)	ND	2.0	1	10/29/2013 15:08
t-Butyl alcohol (TBA)	ND	2.0	1	10/29/2013 15:08
n-Butyl benzene	ND	0.50	1	10/29/2013 15:08
sec-Butyl benzene	ND	0.50	1	10/29/2013 15:08
tert-Butyl benzene	ND	0.50	1	10/29/2013 15:08
Carbon Disulfide	ND	0.50	1	10/29/2013 15:08
Carbon Tetrachloride	ND	0.50	1	10/29/2013 15:08
Chlorobenzene	ND	0.50	1	10/29/2013 15:08
Chloroethane	ND	0.50	1	10/29/2013 15:08
Chloroform	ND	0.50	1	10/29/2013 15:08
Chloromethane	ND	0.50	1	10/29/2013 15:08
2-Chlorotoluene	ND	0.50	1	10/29/2013 15:08
4-Chlorotoluene	ND	0.50	1	10/29/2013 15:08
Dibromochloromethane	ND	0.50	1	10/29/2013 15:08
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 15:08
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 15:08
Dibromomethane	ND	0.50	1	10/29/2013 15:08
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 15:08
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 15:08
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 15:08
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 15:08
1,1-Dichloroethane	**0.77**	0.50	1	10/29/2013 15:08
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 15:08
1,1-Dichloroethene	ND	0.50	1	10/29/2013 15:08
cis-1,2-Dichloroethene	**0.73**	0.50	1	10/29/2013 15:08
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 15:08
1,2-Dichloropropane	ND	0.50	1	10/29/2013 15:08
1,3-Dichloropropane	ND	0.50	1	10/29/2013 15:08
2,2-Dichloropropane	ND	0.50	1	10/29/2013 15:08
1,1-Dichloropropene	ND	0.50	1	10/29/2013 15:08

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-6	**1310870-008B**	**Water**	**10/24/2013 15:30**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 15:08
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 15:08
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 15:08
Ethylbenzene	ND	0.50	1	10/29/2013 15:08
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 15:08
Freon 113	ND	0.50	1	10/29/2013 15:08
Hexachlorobutadiene	ND	0.50	1	10/29/2013 15:08
Hexachloroethane	ND	0.50	1	10/29/2013 15:08
2-Hexanone	ND	0.50	1	10/29/2013 15:08
Isopropylbenzene	ND	0.50	1	10/29/2013 15:08
4-Isopropyl toluene	ND	0.50	1	10/29/2013 15:08
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 15:08
Methylene chloride	ND	0.50	1	10/29/2013 15:08
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 15:08
Naphthalene	ND	0.50	1	10/29/2013 15:08
n-Propyl benzene	ND	0.50	1	10/29/2013 15:08
Styrene	ND	0.50	1	10/29/2013 15:08
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 15:08
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 15:08
Tetrachloroethene	**1.3**	0.50	1	10/29/2013 15:08
Toluene	ND	0.50	1	10/29/2013 15:08
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 15:08
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 15:08
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 15:08
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 15:08
Trichloroethene	**2.5**	0.50	1	10/29/2013 15:08
Trichlorofluoromethane	ND	0.50	1	10/29/2013 15:08
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 15:08
1,2,4-Trimethylbenzene	ND	0.50	1	10/29/2013 15:08
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 15:08
Vinyl Chloride	ND	0.50	1	10/29/2013 15:08
Xylenes, Total	ND	0.50	1	10/29/2013 15:08

Surrogates	REC (%)	Limits	
Dibromofluoromethane	102	70-130	10/29/2013 15:08
Toluene-d8	96	70-130	10/29/2013 15:08
4-BFB	97	70-130	10/29/2013 15:08

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-8	**1310870-009B**	**Water**	**10/24/2013 16:25**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 15:47
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 15:47
Benzene	ND	0.50	1	10/29/2013 15:47
Bromobenzene	ND	0.50	1	10/29/2013 15:47
Bromochloromethane	ND	0.50	1	10/29/2013 15:47
Bromodichloromethane	ND	0.50	1	10/29/2013 15:47
Bromoform	ND	0.50	1	10/29/2013 15:47
Bromomethane	ND	0.50	1	10/29/2013 15:47
2-Butanone (MEK)	ND	2.0	1	10/29/2013 15:47
t-Butyl alcohol (TBA)	ND	2.0	1	10/29/2013 15:47
n-Butyl benzene	ND	0.50	1	10/29/2013 15:47
sec-Butyl benzene	**0.90**	0.50	1	10/29/2013 15:47
tert-Butyl benzene	ND	0.50	1	10/29/2013 15:47
Carbon Disulfide	ND	0.50	1	10/29/2013 15:47
Carbon Tetrachloride	ND	0.50	1	10/29/2013 15:47
Chlorobenzene	ND	0.50	1	10/29/2013 15:47
Chloroethane	ND	0.50	1	10/29/2013 15:47
Chloroform	ND	0.50	1	10/29/2013 15:47
Chloromethane	ND	0.50	1	10/29/2013 15:47
2-Chlorotoluene	ND	0.50	1	10/29/2013 15:47
4-Chlorotoluene	ND	0.50	1	10/29/2013 15:47
Dibromochloromethane	ND	0.50	1	10/29/2013 15:47
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 15:47
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 15:47
Dibromomethane	ND	0.50	1	10/29/2013 15:47
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 15:47
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 15:47
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 15:47
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 15:47
1,1-Dichloroethane	ND	0.50	1	10/29/2013 15:47
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 15:47
1,1-Dichloroethene	ND	0.50	1	10/29/2013 15:47
cis-1,2-Dichloroethene	ND	0.50	1	10/29/2013 15:47
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 15:47
1,2-Dichloropropane	ND	0.50	1	10/29/2013 15:47
1,3-Dichloropropane	ND	0.50	1	10/29/2013 15:47
2,2-Dichloropropane	ND	0.50	1	10/29/2013 15:47
1,1-Dichloropropene	ND	0.50	1	10/29/2013 15:47

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-8	**1310870-009B**	**Water**	**10/24/2013 16:25**	**GC18**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 15:47
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 15:47
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 15:47
Ethylbenzene	ND	0.50	1	10/29/2013 15:47
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 15:47
Freon 113	ND	0.50	1	10/29/2013 15:47
Hexachlorobutadiene	ND	0.50	1	10/29/2013 15:47
Hexachloroethane	ND	0.50	1	10/29/2013 15:47
2-Hexanone	ND	0.50	1	10/29/2013 15:47
Isopropylbenzene	ND	0.50	1	10/29/2013 15:47
4-Isopropyl toluene	ND	0.50	1	10/29/2013 15:47
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 15:47
Methylene chloride	ND	0.50	1	10/29/2013 15:47
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 15:47
Naphthalene	ND	0.50	1	10/29/2013 15:47
n-Propyl benzene	ND	0.50	1	10/29/2013 15:47
Styrene	ND	0.50	1	10/29/2013 15:47
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 15:47
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 15:47
Tetrachloroethene	ND	0.50	1	10/29/2013 15:47
Toluene	ND	0.50	1	10/29/2013 15:47
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 15:47
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 15:47
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 15:47
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 15:47
Trichloroethene	**0.67**	0.50	1	10/29/2013 15:47
Trichlorofluoromethane	ND	0.50	1	10/29/2013 15:47
1,2,3-Trichloropropane	**3.4**	0.50	1	10/29/2013 15:47
1,2,4-Trimethylbenzene	ND	0.50	1	10/29/2013 15:47
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 15:47
Vinyl Chloride	ND	0.50	1	10/29/2013 15:47
Xylenes, Total	ND	0.50	1	10/29/2013 15:47

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/29/2013 15:47
Toluene-d8	95	70-130	10/29/2013 15:47
4-BFB	99	70-130	10/29/2013 15:47

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-9	**1310870-010B**	**Water**	**10/24/2013 17:30**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/28/2013 17:48
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/28/2013 17:48
Benzene	**0.58**	0.50	1	10/28/2013 17:48
Bromobenzene	ND	0.50	1	10/28/2013 17:48
Bromochloromethane	ND	0.50	1	10/28/2013 17:48
Bromodichloromethane	ND	0.50	1	10/28/2013 17:48
Bromoform	ND	0.50	1	10/28/2013 17:48
Bromomethane	ND	0.50	1	10/28/2013 17:48
2-Butanone (MEK)	ND	2.0	1	10/28/2013 17:48
t-Butyl alcohol (TBA)	ND	2.0	1	10/28/2013 17:48
n-Butyl benzene	ND	0.50	1	10/28/2013 17:48
sec-Butyl benzene	ND	0.50	1	10/28/2013 17:48
tert-Butyl benzene	ND	0.50	1	10/28/2013 17:48
Carbon Disulfide	ND	0.50	1	10/28/2013 17:48
Carbon Tetrachloride	ND	0.50	1	10/28/2013 17:48
Chlorobenzene	ND	0.50	1	10/28/2013 17:48
Chloroethane	ND	0.50	1	10/28/2013 17:48
Chloroform	ND	0.50	1	10/28/2013 17:48
Chloromethane	ND	0.50	1	10/28/2013 17:48
2-Chlorotoluene	ND	0.50	1	10/28/2013 17:48
4-Chlorotoluene	ND	0.50	1	10/28/2013 17:48
Dibromochloromethane	ND	0.50	1	10/28/2013 17:48
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/28/2013 17:48
1,2-Dibromoethane (EDB)	ND	0.50	1	10/28/2013 17:48
Dibromomethane	ND	0.50	1	10/28/2013 17:48
1,2-Dichlorobenzene	ND	0.50	1	10/28/2013 17:48
1,3-Dichlorobenzene	ND	0.50	1	10/28/2013 17:48
1,4-Dichlorobenzene	ND	0.50	1	10/28/2013 17:48
Dichlorodifluoromethane	ND	0.50	1	10/28/2013 17:48
1,1-Dichloroethane	ND	0.50	1	10/28/2013 17:48
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/28/2013 17:48
1,1-Dichloroethene	ND	0.50	1	10/28/2013 17:48
cis-1,2-Dichloroethene	**7.0**	0.50	1	10/28/2013 17:48
trans-1,2-Dichloroethene	ND	0.50	1	10/28/2013 17:48
1,2-Dichloropropane	ND	0.50	1	10/28/2013 17:48
1,3-Dichloropropane	ND	0.50	1	10/28/2013 17:48
2,2-Dichloropropane	ND	0.50	1	10/28/2013 17:48
1,1-Dichloropropene	ND	0.50	1	10/28/2013 17:48

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-9	**1310870-010B**	**Water**	**10/24/2013 17:30**	**GC28**	**83357**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/28/2013 17:48
trans-1,3-Dichloropropene	ND	0.50	1	10/28/2013 17:48
Diisopropyl ether (DIPE)	ND	0.50	1	10/28/2013 17:48
Ethylbenzene	ND	0.50	1	10/28/2013 17:48
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/28/2013 17:48
Freon 113	ND	0.50	1	10/28/2013 17:48
Hexachlorobutadiene	ND	0.50	1	10/28/2013 17:48
Hexachloroethane	ND	0.50	1	10/28/2013 17:48
2-Hexanone	ND	0.50	1	10/28/2013 17:48
Isopropylbenzene	ND	0.50	1	10/28/2013 17:48
4-Isopropyl toluene	ND	0.50	1	10/28/2013 17:48
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/28/2013 17:48
Methylene chloride	ND	0.50	1	10/28/2013 17:48
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/28/2013 17:48
Naphthalene	ND	0.50	1	10/28/2013 17:48
n-Propyl benzene	ND	0.50	1	10/28/2013 17:48
Styrene	ND	0.50	1	10/28/2013 17:48
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/28/2013 17:48
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/28/2013 17:48
Tetrachloroethene	ND	0.50	1	10/28/2013 17:48
Toluene	ND	0.50	1	10/28/2013 17:48
1,2,3-Trichlorobenzene	ND	0.50	1	10/28/2013 17:48
1,2,4-Trichlorobenzene	ND	0.50	1	10/28/2013 17:48
1,1,1-Trichloroethane	ND	0.50	1	10/28/2013 17:48
1,1,2-Trichloroethane	ND	0.50	1	10/28/2013 17:48
Trichloroethene	**31**	0.50	1	10/28/2013 17:48
Trichlorofluoromethane	ND	0.50	1	10/28/2013 17:48
1,2,3-Trichloropropane	ND	0.50	1	10/28/2013 17:48
1,2,4-Trimethylbenzene	ND	0.50	1	10/28/2013 17:48
1,3,5-Trimethylbenzene	ND	0.50	1	10/28/2013 17:48
Vinyl Chloride	ND	0.50	1	10/28/2013 17:48
Xylenes, Total	ND	0.50	1	10/28/2013 17:48

Surrogates	REC (%)	Limits	
Dibromofluoromethane	107	70-130	10/28/2013 17:48
Toluene-d8	100	70-130	10/28/2013 17:48
4-BFB	95	70-130	10/28/2013 17:48

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CDPH ELAP 1644 ♦ NELAP 12283CA KF Analyst's Initial  Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-10	**1310870-011B**	**Water**	**10/24/2013 11:55**	**GC28**	**83442**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 16:45
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 16:45
Benzene	**2.2**	0.50	1	10/29/2013 16:45
Bromobenzene	ND	0.50	1	10/29/2013 16:45
Bromochloromethane	ND	0.50	1	10/29/2013 16:45
Bromodichloromethane	ND	0.50	1	10/29/2013 16:45
Bromoform	ND	0.50	1	10/29/2013 16:45
Bromomethane	ND	0.50	1	10/29/2013 16:45
2-Butanone (MEK)	ND	2.0	1	10/29/2013 16:45
t-Butyl alcohol (TBA)	**2.3**	2.0	1	10/29/2013 16:45
n-Butyl benzene	ND	0.50	1	10/29/2013 16:45
sec-Butyl benzene	ND	0.50	1	10/29/2013 16:45
tert-Butyl benzene	ND	0.50	1	10/29/2013 16:45
Carbon Disulfide	ND	0.50	1	10/29/2013 16:45
Carbon Tetrachloride	ND	0.50	1	10/29/2013 16:45
Chlorobenzene	ND	0.50	1	10/29/2013 16:45
Chloroethane	ND	0.50	1	10/29/2013 16:45
Chloroform	ND	0.50	1	10/29/2013 16:45
Chloromethane	ND	0.50	1	10/29/2013 16:45
2-Chlorotoluene	ND	0.50	1	10/29/2013 16:45
4-Chlorotoluene	ND	0.50	1	10/29/2013 16:45
Dibromochloromethane	ND	0.50	1	10/29/2013 16:45
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 16:45
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 16:45
Dibromomethane	ND	0.50	1	10/29/2013 16:45
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 16:45
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 16:45
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 16:45
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 16:45
1,1-Dichloroethane	ND	0.50	1	10/29/2013 16:45
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 16:45
1,1-Dichloroethene	ND	0.50	1	10/29/2013 16:45
cis-1,2-Dichloroethene	**2.5**	0.50	1	10/29/2013 16:45
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 16:45
1,2-Dichloropropane	ND	0.50	1	10/29/2013 16:45
1,3-Dichloropropane	ND	0.50	1	10/29/2013 16:45
2,2-Dichloropropane	ND	0.50	1	10/29/2013 16:45
1,1-Dichloropropene	ND	0.50	1	10/29/2013 16:45

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-10	**1310870-011B**	**Water**	**10/24/2013 11:55**	**GC28**	**83442**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 16:45
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 16:45
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 16:45
Ethylbenzene	ND	0.50	1	10/29/2013 16:45
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 16:45
Freon 113	ND	0.50	1	10/29/2013 16:45
Hexachlorobutadiene	ND	0.50	1	10/29/2013 16:45
Hexachloroethane	ND	0.50	1	10/29/2013 16:45
2-Hexanone	ND	0.50	1	10/29/2013 16:45
Isopropylbenzene	ND	0.50	1	10/29/2013 16:45
4-Isopropyl toluene	ND	0.50	1	10/29/2013 16:45
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 16:45
Methylene chloride	ND	0.50	1	10/29/2013 16:45
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 16:45
Naphthalene	ND	0.50	1	10/29/2013 16:45
n-Propyl benzene	ND	0.50	1	10/29/2013 16:45
Styrene	ND	0.50	1	10/29/2013 16:45
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 16:45
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 16:45
Tetrachloroethene	ND	0.50	1	10/29/2013 16:45
Toluene	ND	0.50	1	10/29/2013 16:45
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 16:45
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 16:45
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 16:45
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 16:45
Trichloroethene	**29**	0.50	1	10/29/2013 16:45
Trichlorofluoromethane	ND	0.50	1	10/29/2013 16:45
1,2,3-Trichloropropane	**0.63**	0.50	1	10/29/2013 16:45
1,2,4-Trimethylbenzene	ND	0.50	1	10/29/2013 16:45
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 16:45
Vinyl Chloride	ND	0.50	1	10/29/2013 16:45
Xylenes, Total	ND	0.50	1	10/29/2013 16:45

Surrogates	REC (%)	Limits	
Dibromofluoromethane	107	70-130	10/29/2013 16:45
Toluene-d8	74	70-130	10/29/2013 16:45
4-BFB	97	70-130	10/29/2013 16:45

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CDPH ELAP 1644 ♦ NELAP 12283CA KF Analyst's Initial  Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-11	**1310870-012B**	**Water**	**10/24/2013 13:30**	**GC28**	**83442**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/29/2013 23:46
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/29/2013 23:46
Benzene	**4.7**	0.50	1	10/29/2013 23:46
Bromobenzene	ND	0.50	1	10/29/2013 23:46
Bromochloromethane	ND	0.50	1	10/29/2013 23:46
Bromodichloromethane	ND	0.50	1	10/29/2013 23:46
Bromoform	ND	0.50	1	10/29/2013 23:46
Bromomethane	ND	0.50	1	10/29/2013 23:46
2-Butanone (MEK)	ND	2.0	1	10/29/2013 23:46
t-Butyl alcohol (TBA)	**10**	2.0	1	10/29/2013 23:46
n-Butyl benzene	ND	0.50	1	10/29/2013 23:46
sec-Butyl benzene	**5.1**	0.50	1	10/29/2013 23:46
tert-Butyl benzene	ND	0.50	1	10/29/2013 23:46
Carbon Disulfide	ND	0.50	1	10/29/2013 23:46
Carbon Tetrachloride	ND	0.50	1	10/29/2013 23:46
Chlorobenzene	ND	0.50	1	10/29/2013 23:46
Chloroethane	ND	0.50	1	10/29/2013 23:46
Chloroform	ND	0.50	1	10/29/2013 23:46
Chloromethane	ND	0.50	1	10/29/2013 23:46
2-Chlorotoluene	ND	0.50	1	10/29/2013 23:46
4-Chlorotoluene	ND	0.50	1	10/29/2013 23:46
Dibromochloromethane	ND	0.50	1	10/29/2013 23:46
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/29/2013 23:46
1,2-Dibromoethane (EDB)	ND	0.50	1	10/29/2013 23:46
Dibromomethane	ND	0.50	1	10/29/2013 23:46
1,2-Dichlorobenzene	ND	0.50	1	10/29/2013 23:46
1,3-Dichlorobenzene	ND	0.50	1	10/29/2013 23:46
1,4-Dichlorobenzene	ND	0.50	1	10/29/2013 23:46
Dichlorodifluoromethane	ND	0.50	1	10/29/2013 23:46
1,1-Dichloroethane	ND	0.50	1	10/29/2013 23:46
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/29/2013 23:46
1,1-Dichloroethene	ND	0.50	1	10/29/2013 23:46
cis-1,2-Dichloroethene	**0.73**	0.50	1	10/29/2013 23:46
trans-1,2-Dichloroethene	ND	0.50	1	10/29/2013 23:46
1,2-Dichloropropane	ND	0.50	1	10/29/2013 23:46
1,3-Dichloropropane	ND	0.50	1	10/29/2013 23:46
2,2-Dichloropropane	ND	0.50	1	10/29/2013 23:46
1,1-Dichloropropene	ND	0.50	1	10/29/2013 23:46

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8260B
Date Prepared:	10/28/13-10/29/13	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-11	**1310870-012B**	**Water**	**10/24/2013 13:30**	**GC28**	**83442**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/29/2013 23:46
trans-1,3-Dichloropropene	ND	0.50	1	10/29/2013 23:46
Diisopropyl ether (DIPE)	ND	0.50	1	10/29/2013 23:46
Ethylbenzene	**2.9**	0.50	1	10/29/2013 23:46
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/29/2013 23:46
Freon 113	ND	0.50	1	10/29/2013 23:46
Hexachlorobutadiene	ND	0.50	1	10/29/2013 23:46
Hexachloroethane	ND	0.50	1	10/29/2013 23:46
2-Hexanone	ND	0.50	1	10/29/2013 23:46
Isopropylbenzene	**3.6**	0.50	1	10/29/2013 23:46
4-Isopropyl toluene	**1.5**	0.50	1	10/29/2013 23:46
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/29/2013 23:46
Methylene chloride	ND	0.50	1	10/29/2013 23:46
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/29/2013 23:46
Naphthalene	ND	0.50	1	10/29/2013 23:46
n-Propyl benzene	**1.9**	0.50	1	10/29/2013 23:46
Styrene	ND	0.50	1	10/29/2013 23:46
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/29/2013 23:46
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/29/2013 23:46
Tetrachloroethene	ND	0.50	1	10/29/2013 23:46
Toluene	ND	0.50	1	10/29/2013 23:46
1,2,3-Trichlorobenzene	ND	0.50	1	10/29/2013 23:46
1,2,4-Trichlorobenzene	ND	0.50	1	10/29/2013 23:46
1,1,1-Trichloroethane	ND	0.50	1	10/29/2013 23:46
1,1,2-Trichloroethane	ND	0.50	1	10/29/2013 23:46
Trichloroethene	**5.6**	0.50	1	10/29/2013 23:46
Trichlorofluoromethane	ND	0.50	1	10/29/2013 23:46
1,2,3-Trichloropropane	ND	0.50	1	10/29/2013 23:46
1,2,4-Trimethylbenzene	**1.5**	0.50	1	10/29/2013 23:46
1,3,5-Trimethylbenzene	ND	0.50	1	10/29/2013 23:46
Vinyl Chloride	ND	0.50	1	10/29/2013 23:46
Xylenes, Total	**0.80**	0.50	1	10/29/2013 23:46

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/29/2013 23:46
Toluene-d8	96	70-130	10/29/2013 23:46
4-BFB	89	70-130	10/29/2013 23:46

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/29/13-10/31/13	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1	**1310870-001A**	**Water**	**10/24/2013**	**GC3**	**83360**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**520**	50	1	10/29/2013 04:01
MTBE	**---**	5.0	1	10/29/2013 04:01
Benzene	**---**	0.50	1	10/29/2013 04:01
Toluene	**---**	0.50	1	10/29/2013 04:01
Ethylbenzene	**---**	0.50	1	10/29/2013 04:01
Xylenes	**---**	0.50	1	10/29/2013 04:01

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
aaa-TFT	132	S	70-130		10/29/2013 04:01

MW-2	1310870-002A	Water	10/24/2013 16:50	GC3	83443

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**480**	50	1	10/30/2013 06:31
MTBE	**---**	15	1	10/30/2013 06:31
Benzene	**---**	0.50	1	10/30/2013 06:31
Toluene	**---**	0.50	1	10/30/2013 06:31
Ethylbenzene	**---**	0.50	1	10/30/2013 06:31
Xylenes	**---**	0.50	1	10/30/2013 06:31

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
aaa-TFT	161	S	70-130		10/30/2013 06:31

MW-3	1310870-003A	Water	10/24/2013 14:05	GC3	83443

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**100**	50	1	10/30/2013 07:00
MTBE	**---**	5.0	1	10/30/2013 07:00
Benzene	**---**	0.50	1	10/30/2013 07:00
Toluene	**---**	0.50	1	10/30/2013 07:00
Ethylbenzene	**---**	0.50	1	10/30/2013 07:00
Xylenes	**---**	0.50	1	10/30/2013 07:00

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
aaa-TFT	533	S	70-130		10/30/2013 07:00

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/29/13-10/31/13	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-4	**1310870-004A**	**Water**	**10/24/2013 10:14**	**GC3**	**83443**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/30/2013 05:33
MTBE	---	5.0	1	10/30/2013 05:33
Benzene	---	0.50	1	10/30/2013 05:33
Toluene	---	0.50	1	10/30/2013 05:33
Ethylbenzene	---	0.50	1	10/30/2013 05:33
Xylenes	---	0.50	1	10/30/2013 05:33

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: c4	
aaa-TFT	238	S	70-130		10/30/2013 05:33

MW-5	1310870-005A	Water	10/24/2013 10:59	GC3	83443

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**130**	50	1	10/30/2013 06:02
MTBE	---	5.0	1	10/30/2013 06:02
Benzene	---	0.50	1	10/30/2013 06:02
Toluene	---	0.50	1	10/30/2013 06:02
Ethylbenzene	---	0.50	1	10/30/2013 06:02
Xylenes	---	0.50	1	10/30/2013 06:02

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
aaa-TFT	230	S	70-130		10/30/2013 06:02

DPE-1	1310870-006A	Water	10/24/2013 15:00	GC3	83443

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**610**	50	1	10/30/2013 07:29
MTBE	---	5.0	1	10/30/2013 07:29
Benzene	---	0.50	1	10/30/2013 07:29
Toluene	---	0.50	1	10/30/2013 07:29
Ethylbenzene	---	0.50	1	10/30/2013 07:29
Xylenes	---	0.50	1	10/30/2013 07:29

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4	
aaa-TFT	145	S	70-130		10/30/2013 07:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/29/13-10/31/13	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-4	**1310870-007A**	**Water**	**10/24/2013 14:30**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**170**	50	1	10/30/2013 20:30
MTBE	**---**	20	1	10/30/2013 20:30
Benzene	**---**	0.50	1	10/30/2013 20:30
Toluene	**---**	0.50	1	10/30/2013 20:30
Ethylbenzene	**---**	0.50	1	10/30/2013 20:30
Xylenes	**---**	0.50	1	10/30/2013 20:30

Surrogates	REC (%)	Limits	Analytical Comments: d1	
aaa-TFT	116	70-130		10/30/2013 20:30

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-6	**1310870-008A**	**Water**	**10/24/2013 15:30**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/30/2013 21:00
MTBE	**---**	5.0	1	10/30/2013 21:00
Benzene	**---**	0.50	1	10/30/2013 21:00
Toluene	**---**	0.50	1	10/30/2013 21:00
Ethylbenzene	**---**	0.50	1	10/30/2013 21:00
Xylenes	**---**	0.50	1	10/30/2013 21:00

Surrogates	REC (%)	Limits	
aaa-TFT	121	70-130	10/30/2013 21:00

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-8	**1310870-009A**	**Water**	**10/24/2013 16:25**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**63**	50	1	10/31/2013 20:34
MTBE	**---**	5.0	1	10/31/2013 20:34
Benzene	**---**	0.50	1	10/31/2013 20:34
Toluene	**---**	0.50	1	10/31/2013 20:34
Ethylbenzene	**---**	0.50	1	10/31/2013 20:34
Xylenes	**---**	0.50	1	10/31/2013 20:34

Surrogates	REC (%)	Limits	Analytical Comments: d1	
aaa-TFT	111	70-130		10/31/2013 20:34

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW5030B
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/29/13-10/31/13	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-9	**1310870-010A**	**Water**	**10/24/2013 17:30**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/30/2013 23:59
MTBE	---	5.0	1	10/30/2013 23:59
Benzene	---	0.50	1	10/30/2013 23:59
Toluene	---	0.50	1	10/30/2013 23:59
Ethylbenzene	---	0.50	1	10/30/2013 23:59
Xylenes	---	0.50	1	10/30/2013 23:59

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: c4
aaa-TFT	308	S	70-130	10/30/2013 23:59

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-10	**1310870-011A**	**Water**	**10/24/2013 11:55**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**97**	50	1	10/31/2013 22:33
MTBE	---	5.0	1	10/31/2013 22:33
Benzene	---	0.50	1	10/31/2013 22:33
Toluene	---	0.50	1	10/31/2013 22:33
Ethylbenzene	---	0.50	1	10/31/2013 22:33
Xylenes	---	0.50	1	10/31/2013 22:33

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4
aaa-TFT	249	S	70-130	10/31/2013 22:33

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-11	**1310870-012A**	**Water**	**10/24/2013 13:30**	**GC3**	**83507**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**490**	50	1	10/31/2013 01:56
MTBE	---	5.0	1	10/31/2013 01:56
Benzene	---	0.50	1	10/31/2013 01:56
Toluene	---	0.50	1	10/31/2013 01:56
Ethylbenzene	---	0.50	1	10/31/2013 01:56
Xylenes	---	0.50	1	10/31/2013 01:56

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4
aaa-TFT	154	S	70-130	10/31/2013 01:56

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW3510C/3630C
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8015B
Date Prepared:	10/25/13-11/4/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1	**1310870-001A**	**Water**	**10/24/2013**	**GC11A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**230**	50	1	11/01/2013 21:19
TPH-Motor Oil (C18-C36)	ND	250	1	11/01/2013 21:19
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	105	70-130		11/01/2013 21:19

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-2	**1310870-002A**	**Water**	**10/24/2013 16:50**	**GC6B**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**380**	50	1	11/01/2013 05:02
TPH-Motor Oil (C18-C36)	ND	250	1	11/01/2013 05:02
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	105	70-130		11/01/2013 05:02

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-3	**1310870-003A**	**Water**	**10/24/2013 14:05**	**GC2A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**100**	50	1	11/04/2013 21:46
TPH-Motor Oil (C18-C36)	ND	250	1	11/04/2013 21:46
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	123	70-130		11/04/2013 21:46

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-4	**1310870-004A**	**Water**	**10/24/2013 10:14**	**GC6B**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	11/01/2013 09:52
TPH-Motor Oil (C18-C36)	ND	250	1	11/01/2013 09:52
Surrogates	REC (%)	Limits		
C9	113	70-130		11/01/2013 09:52

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW3510C/3630C
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8015B
Date Prepared:	10/25/13-11/4/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-5	**1310870-005A**	**Water**	**10/24/2013 10:59**	**GC11A**	**83620**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	11/04/2013 13:46
TPH-Motor Oil (C18-C36)	ND	250	1	11/04/2013 13:46
Surrogates	REC (%)	Limits		
C9	99	70-130		11/04/2013 13:46

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-1	**1310870-006A**	**Water**	**10/24/2013 15:00**	**GC6B**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**530**	50	1	11/01/2013 02:37
TPH-Motor Oil (C18-C36)	ND	250	1	11/01/2013 02:37
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	112	70-130		11/01/2013 02:37

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-4	**1310870-007A**	**Water**	**10/24/2013 14:30**	**GC2A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**76**	50	1	11/04/2013 19:14
TPH-Motor Oil (C18-C36)	ND	250	1	11/04/2013 19:14
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	113	70-130		11/04/2013 19:14

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-6	**1310870-008A**	**Water**	**10/24/2013 15:30**	**GC6B**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	11/01/2013 08:39
TPH-Motor Oil (C18-C36)	ND	250	1	11/01/2013 08:39
Surrogates	REC (%)	Limits		
C9	113	70-130		11/01/2013 08:39

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Project:	#298931; FSI	**Extraction Method**	SW3510C/3630C
Date Received:	10/25/13 19:38	**Analytical Method:**	SW8015B
Date Prepared:	10/25/13-11/4/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-8	**1310870-009A**	**Water**	**10/24/2013 16:25**	**GC6A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/31/2013 21:46
TPH-Motor Oil (C18-C36)	ND	250	1	10/31/2013 21:46
Surrogates	REC (%)	Limits		
C9	95	70-130		10/31/2013 21:46

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-9	**1310870-010A**	**Water**	**10/24/2013 17:30**	**GC6B**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	11/03/2013 06:30
TPH-Motor Oil (C18-C36)	ND	250	1	11/03/2013 06:30
Surrogates	REC (%)	Limits		
C9	110	70-130		11/03/2013 06:30

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-10	**1310870-011A**	**Water**	**10/24/2013 11:55**	**GC2A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**57**	50	1	11/04/2013 20:30
TPH-Motor Oil (C18-C36)	ND	250	1	11/04/2013 20:30
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	91	70-130		11/04/2013 20:30

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
DPE-11	**1310870-012A**	**Water**	**10/24/2013 13:30**	**GC2A**	**83331**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**340**	50	1	11/04/2013 23:01
TPH-Motor Oil (C18-C36)	ND	250	1	11/04/2013 23:01
Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	93	70-130		11/04/2013 23:01

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/28/13	**BatchID:**	83357
Date Analyzed:	10/28/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83357 1310862-001DMS/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	22.76	0.50	20	-	114	70-130
Benzene	ND	20.26	0.50	20	-	101	70-130
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	87.94	2.0	80	-	110	70-130
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	20.55	0.50	20	-	103	70-130
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	19.96	0.50	20	-	99.8	70-130
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	21.63	0.50	20	-	108	70-130
1,1-Dichloroethene	ND	17.02	0.50	20	-	85.1	70-130
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	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/28/13	**BatchID:**	83357
Date Analyzed:	10/28/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83357 1310862-001DMS/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	22.15	0.50	20	-	111	70-130
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	23.02	0.50	20	-	115	70-130
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	22.03	0.50	20	-	110	70-130
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	20.06	0.50	20	-	100	70-130
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	23.08	0.50	20	-	115	70-130
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	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	26.28	26.81		25	105	107	70-130
Toluene-d8	24.86	24.29		25	99	97	70-130
4-BFB	2.37	2.233		2.5	95	89	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/28/13	**BatchID:**	83357
Date Analyzed:	10/28/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83357 1310862-001DMS/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
tert-Amyl methyl ether (TAME)	27.39	26.21	20	ND	137,F1	131,F1	70-130	4.39	20
Benzene	22.65	21.09	20	ND	113	105	70-130	7.14	20
t-Butyl alcohol (TBA)	119.4	116.8	80	ND	149,F1	146,F1	70-130	2.14	20
Chlorobenzene	23.97	22.54	20	ND	120	113	70-130	6.13	20
1,2-Dibromoethane (EDB)	24.56	23.15	20	ND	123	116	70-130	5.93	20
1,2-Dichloroethane (1,2-DCA)	25.81	24.22	20	ND	129	121	70-130	6.37	20
1,1-Dichloroethene	18.18	16.72	20	ND	90.9	83.6	70-130	8.35	20
Diisopropyl ether (DIPE)	25.68	23.97	20	ND	128	120	70-130	6.91	20
Ethyl tert-butyl ether (ETBE)	26.87	25.25	20	ND	134,F1	126	70-130	6.25	20
Methyl-t-butyl ether (MTBE)	26.8	25.26	20	ND	134,F1	126	70-130	5.93	20
Toluene	22.42	20.91	20	ND	112	105	70-130	6.95	20
Trichloroethene	25.34	23.47	20	ND	127	117	70-130	7.68	20
Surrogate Recovery									
Dibromofluoromethane	26.99	26.69	25		108	107	70-130	1.10	20
Toluene-d8	24.16	24.25	25		97	97	70-130	0	20
4-BFB	2.233	2.21	2.5		89	88	70-130	1.04	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/28/13	**BatchID:**	83360
Date Analyzed:	10/28/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83360 1310874-002AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	58.37	40	60	-	97.3	70-130
MTBE	ND	10.4	5.0	10	-	104	70-130
Benzene	ND	11.01	0.50	10	-	110	70-130
Toluene	ND	10.8	0.50	10	-	108	70-130
Ethylbenzene	ND	10.64	0.50	10	-	106	70-130
Xylenes	ND	32.18	0.50	30	-	107	70-130
Surrogate Recovery							
aaa-TFT	10.3	10.57		10	103	106	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.07	59.79	60	ND	102	99.6	70-130	2.12	20
MTBE	10.48	10.61	10	ND	105	106	70-130	1.18	20
Benzene	10.59	10.89	10	ND	106	109	70-130	2.79	20
Toluene	10.54	10.79	10	ND	105	108	70-130	2.38	20
Ethylbenzene	10.39	10.62	10	ND	104	106	70-130	2.24	20
Xylenes	31.45	31.9	30	ND	105	106	70-130	1.42	20
Surrogate Recovery									
aaa-TFT	9.962	10.44	10		100	104	70-130	4.65	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/29/13	**BatchID:**	83442
Date Analyzed:	10/29/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83442 1310923-001AMS/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	21.38	0.50	20	-	107	70-130
Benzene	ND	19.12	0.50	20	-	95.6	70-130
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	85.61	2.0	80	-	107	70-130
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	19.72	0.50	20	-	98.6	70-130
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	19.89	0.50	20	-	99.5	70-130
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	20.62	0.50	20	-	103	70-130
1,1-Dichloroethene	ND	18.86	0.50	20	-	94.3	70-130
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	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/29/13	**BatchID:**	83442
Date Analyzed:	10/29/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83442 1310923-001AMS/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	20.27	0.50	20	-	101	70-130
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	21.07	0.50	20	-	105	70-130
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	20.19	0.50	20	-	101	70-130
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	19.36	0.50	20	-	96.8	70-130
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	21.97	0.50	20	-	110	70-130
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	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	26.84	45.97		50	107	92	70-130
Toluene-d8	24.32	43.31		50	97	87	70-130
4-BFB	2.33	3.964		5	93	79	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/29/13	**BatchID:**	83442
Date Analyzed:	10/29/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83442 1310923-001AMS/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
tert-Amyl methyl ether (TAME)	22.91	23.18	20	ND	115	116	70-130	1.17	20
Benzene	19.98	20.05	20	ND	99.9	100	70-130	0.327	20
t-Butyl alcohol (TBA)	96.24	97.05	80	ND	120	121	70-130	0.836	20
Chlorobenzene	20.18	20.73	20	ND	101	104	70-130	2.68	20
1,2-Dibromoethane (EDB)	20.7	21.15	20	ND	104	106	70-130	2.14	20
1,2-Dichloroethane (1,2-DCA)	21.82	22.38	20	ND	109	112	70-130	2.55	20
1,1-Dichloroethene	19.33	19.02	20	ND	96.7	95.1	70-130	1.65	20
Diisopropyl ether (DIPE)	21.58	21.81	20	ND	108	109	70-130	1.07	20
Ethyl tert-butyl ether (ETBE)	22.61	23.42	20	ND	113	117	70-130	3.51	20
Methyl-t-butyl ether (MTBE)	21.96	22.31	20	ND	110	112	70-130	1.55	20
Toluene	19.41	19.52	20	ND	97	97.6	70-130	0.555	20
Trichloroethene	22.5	22.69	20	ND	113	113	70-130	0	20
Surrogate Recovery									
Dibromofluoromethane	47.96	48.6	50		96	97	70-130	1.32	20
Toluene-d8	43.12	44.06	50		86	88	70-130	2.16	20
4-BFB	3.903	4.037	5		78	81	70-130	3.39	20

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/29/13	**BatchID:**	83443
Date Analyzed:	10/29/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83443 1310943-001CMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	60.82	40	60	-	101	70-130
MTBE	ND	10.18	5.0	10	-	102	70-130
Benzene	ND	11.98	0.50	10	-	120	70-130
Toluene	ND	10.38	0.50	10	-	104	70-130
Ethylbenzene	ND	10.29	0.50	10	-	103	70-130
Xylenes	ND	31.23	0.50	30	-	104	70-130
Surrogate Recovery							
aaa-TFT	10.23	10.03		10	102	100	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	59.66	62.24	60	ND	99.4	104	70-130	4.23	20
MTBE	10.4	10.52	10	ND	104	105	70-130	1.19	20
Benzene	10.35	10.51	10	ND	104	105	70-130	1.50	20
Toluene	10.3	10.41	10	ND	103	104	70-130	1.03	20
Ethylbenzene	10.18	10.34	10	ND	102	103	70-130	1.54	20
Xylenes	30.96	31.4	30	ND	103	105	70-130	1.40	20
Surrogate Recovery									
aaa-TFT	9.934	9.909	10		99	99	70-130	0	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/30/13	**BatchID:**	83507
Date Analyzed:	10/30/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83507 1310870-008AMS/MSD

QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	64.03	40	60	-	107	70-130
MTBE	ND	11.27	5.0	10	-	113	70-130
Benzene	ND	10.69	0.50	10	-	107	70-130
Toluene	ND	10.76	0.50	10	-	108	70-130
Ethylbenzene	ND	10.52	0.50	10	-	105	70-130
Xylenes	ND	31.88	0.50	30	-	106	70-130
Surrogate Recovery							
aaa-TFT	9.722	9.597		10	97	96	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.67	60.96	60	ND	103	102	70-130	1.17	20
MTBE	10.55	10.2	10	ND	106	102	70-130	3.39	20
Benzene	9.916	10.75	10	ND	99.2	107	70-130	8.02	20
Toluene	9.987	9.889	10	ND	99.9	98.9	70-130	0.990	20
Ethylbenzene	9.865	9.765	10	ND	98.6	97.7	70-130	1.01	20
Xylenes	29.88	29.67	30	ND	99.6	98.9	70-130	0.716	20
Surrogate Recovery									
aaa-TFT	9.433	9.579	10		94	96	70-130	1.54	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	10/25/13	**BatchID:**	83331
Date Analyzed:	10/30/13	**Extraction Method:**	SW3510C/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83331

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	1070	50	1000	-	107	70-130
Surrogate Recovery							
C9	560.7	564		625	90	90	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310870
Date Prepared:	11/4/13	**BatchID:**	83620
Date Analyzed:	11/5/13	**Extraction Method:**	SW3510C/3630C
Instrument:	GC6A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83620

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	1074	50	1000	-	107	70-130
Surrogate Recovery							
C9	564	650.6		625	90	104	70-130

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310870 **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:
PO: #WC084429
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 5 days

Date Received: **10/25/2013**
Date Printed: **10/25/2013**

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
1310870-001	MW-1	Water	10/24/2013	☐	B	A										
1310870-002	MW-2	Water	10/24/2013 16:50	☐	B	A										
1310870-003	MW-3	Water	10/24/2013 14:05	☐	B	A										
1310870-004	MW-4	Water	10/24/2013 10:14	☐	B	A										
1310870-005	MW-5	Water	10/24/2013 10:59	☐	B	A										
1310870-006	DPE-1	Water	10/24/2013 15:00	☐	B	A										
1310870-007	DPE-4	Water	10/24/2013 14:30	☐	B	A										
1310870-008	DPE-6	Water	10/24/2013 15:30	☐	B	A										
1310870-009	DPE-8	Water	10/24/2013 16:25	☐	B	A										
1310870-010	DPE-9	Water	10/24/2013 17:30	☐	B	A										
1310870-011	DPE-10	Water	10/24/2013 11:55	☐	B	A										
1310870-012	DPE-11	Water	10/24/2013 13:30	☐	B	A										

Test Legend:

1	8260B_W	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A contain testgroup.

Prepared by: Daniel Loa

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.

1310870

McCAMPBELL ANALYTICAL INC.

1538 Willow Pass Road, Pittsburg, CA 94565

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CHAIN OF CUSTODY RECORD

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

EDF Required? ■ Yes ☐ No PDF Required? ■ Yes ☐ No

Report To: Jeremy Smith Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC084429 Global ID: T0600100655

E-Mail: jasmith@aeiconsultatns.com

Telephone: (925) 746-6000, Fax: (925) 746-6099

AEI Project No. 298931 Project Name: FSI

Project Location: 1630 Park St., Alameda, CA 94501

Sampler Signature:

SAMPLE ID	FIELD POINT NAME	SAMPLING Date	SAMPLING Time	# of Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCL	HNO_3	Other	Analysis Request: TPH-G (EPA 8015 M)	TPH-D / TPH-MO (EPA 8015 M w/ Silica Gel Clean-up)	VOCs (EPA 8260B)	Other	Comments
MW-1		10/24/13	1554	4	VOAs	X					X	X			X	X	X		
MW-2			1658	4	VOAs	X					X	X			X	X	X		
MW-3			1405	4	VOAs	X					X	X			X	X	X		
MW-4			1014	4	VOAs	X					X	X			X	X	X		
MW-5			1059	4	VOAs	X					X	X			X	X	X		
DPE-1			1500	4	VOAs	X					X	X			X	X	X		
DPE-4			1430	4	VOAs	X					X	X			X	X	X		
DPE-6			1530	4	VOAs	X					X	X			X	X	X		
DPE-8			1625	4	VOAs	X					X	X			X	X	X		
DPE-9			1730	4	VOAs	X					X	X			X	X	X		
DPE-10			1155	4	VOAs	X					X	X			X	X	X		
DPE-11		1330	1455	4	VOAs	X					X	X			X	X	X		

Relinquished By:	Date:	Time:	Received By:
	10/24/13	1430	
Relinquished By:	Date:	Time:	Received By:
	10/25	1705	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.2

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

PRESERVATION	VOAS	O&G	METALS	OTHER
APPROPRIATE CONTAINERS				
PERSERVED IN LAB				

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **10/25/2013 7:38:08 PM**

Project Name: **#298931; FSI**
LogIn Reviewed by: Daniel Loa

WorkOrder N°: **1310870** Matrix: Water
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 ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310829 **Amended:** 11/05/2013

Report Created for: AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: #WC084430
Project Name: #298931; FSI

Project Received: 10/24/2013

Analytical Report reviewed & approved for release on 10/31/2013 by:

Question about your data?

Click here to email McCampbell

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: #298931; FSI
WorkOrder: 1310829

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
j1	see attached narrative

Quality Control Qualifier	
F2	LCS recovery for this compound is outside of acceptance limits.

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Case Narrative

Client: AEI Consultants
Project: #298931; FSI

Work Order: 1310829
October 31, 2013

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

SV-12 (1310829-007A)

Acrolein reporting limit was raised due to co-elution with non target peak interfering with quantitative value.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-3	**1310829-001A**	**Soil Gas/DISS.**	**10/24/2013 11:41**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.06	**24.02**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.12**	0.0063	1.3	10/29/2013 12:45

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-4	**1310829-002A**	**Soil Gas/DISS.**	**10/24/2013 12:03**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.61	**25.13**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.032**	0.0060	1.2	10/29/2013 13:00

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-6	**1310829-003A**	**Soil Gas/DISS.**	**10/24/2013 11:19**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
14.05	**28.00**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.084**	0.0050	1	10/29/2013 13:13

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-7	**1310829-004A**	**Soil Gas/DISS.**	**10/24/2013 10:28**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.98	**25.88**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.022**	0.0066	1.3	10/29/2013 13:30

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-8	**1310829-005A**	**Soil Gas/DISS.**	**10/24/2013 09:06**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.28	**24.46**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.12**	0.0061	1.2	10/29/2013 13:43

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-9	**1310829-006A**	**Soil Gas/DISS.**	**10/24/2013 10:13**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
13.78	**27.46**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.019**	0.0060	1.2	10/29/2013 13:56

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-12	**1310829-007A**	**Soil Gas/DISS.**	**10/24/2013 11:12**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
13.69	**27.28**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.072**	0.0050	1	10/29/2013 14:08

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13	**1310829-008A**	**Soil Gas/DISS.**	**10/24/2013 13:15**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
13.13	**26.16**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.037**	0.0050	1	10/29/2013 15:02

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-14	**1310829-009A**	**Soil Gas/DISS.**	**10/24/2013 14:19**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
13.48	**26.89**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.013**	0.0050	1	10/29/2013 15:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-15	**1310829-010A**	**Soil Gas/DISS.**	**10/24/2013 13:28**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.21	**24.33**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.038**	0.0050	1	10/29/2013 15:29

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13 DUP	**1310829-011A**	**Soil Gas/DISS.**	**10/24/2013 13:35**	**GC26**	**83464**

Initial Pressure (psia)	Final Pressure (psia)
12.93	**25.76**

Analytes	Result	RL	DF	Date Analyzed
Helium	**0.0091**	0.0050	1	10/29/2013 15:44

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method:**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13-10/30/13	**Unit:**	µL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-3	**1310829-001A**	**Soil Gas/DISS.**	**10/24/2013 11:41**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.06	**24.02**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**2300**	630	13	10/30/2013 11:22
Methane	ND	1.3	1.3	10/30/2013 16:59
Oxygen	**160,000**	13,000	3.1	10/30/2013 11:22

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-4	**1310829-002A**	**Soil Gas/DISS.**	**10/24/2013 12:03**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.61	**25.13**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**2500**	600	12	10/30/2013 11:45
Methane	ND	1.2	1.2	10/30/2013 17:25
Oxygen	**160,000**	12,000	3	10/30/2013 11:45

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-6	**1310829-003A**	**Soil Gas/DISS.**	**10/24/2013 11:19**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
14.05	**28.00**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**17,000**	500	10	10/30/2013 12:10
Methane	ND	1.0	1	10/30/2013 17:50
Oxygen	**150,000**	10,000	2.5	10/30/2013 12:10

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method:**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13-10/30/13	**Unit:**	µL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-7	**1310829-004A**	**Soil Gas/DISS.**	**10/24/2013 10:28**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.98	**25.88**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**12,000**	660	13	10/30/2013 12:33
Methane	ND	1.3	1.3	10/30/2013 18:14
Oxygen	**160,000**	13,000	3.3	10/30/2013 12:33

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-8	**1310829-005A**	**Soil Gas/DISS.**	**10/24/2013 09:06**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.28	**24.46**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**29,000**	610	12	10/29/2013 20:50
Methane	ND	1.2	1.2	10/30/2013 18:41
Oxygen	**130,000**	12,000	3	10/29/2013 20:50

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-9	**1310829-006A**	**Soil Gas/DISS.**	**10/24/2013 10:13**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
13.78	**27.46**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**7300**	600	12	10/29/2013 21:11
Methane	ND	1.2	1.2	10/30/2013 19:05
Oxygen	**170,000**	12,000	3	10/29/2013 21:11

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method:**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13-10/30/13	**Unit:**	µL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-12	**1310829-007A**	**Soil Gas/DISS.**	**10/24/2013 11:12**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
13.69	**27.28**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**29,000**	500	10	10/29/2013 21:32
Methane	ND	1.0	1	10/30/2013 19:30
Oxygen	**150,000**	10,000	2.5	10/29/2013 21:32

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13	**1310829-008A**	**Soil Gas/DISS.**	**10/24/2013 13:15**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
13.13	**26.16**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**18,000**	500	10	10/29/2013 19:26
Methane	**2.2**	1.0	1	10/30/2013 15:15
Oxygen	**150,000**	10,000	2.5	10/29/2013 19:26

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-14	**1310829-009A**	**Soil Gas/DISS.**	**10/24/2013 14:19**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
13.48	**26.89**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**3000**	500	10	10/29/2013 19:47
Methane	**1.5**	1.0	1	10/30/2013 15:41
Oxygen	**150,000**	10,000	2.5	10/29/2013 19:47

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method:**	ASTM D 1946-90
Date Received:	10/24/13 20:18	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	10/29/13-10/30/13	**Unit:**	µL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-15	**1310829-010A**	**Soil Gas/DISS.**	**10/24/2013 13:28**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.21	**24.33**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**8500**	500	10	10/29/2013 20:08
Methane	ND	1.0	1	10/30/2013 16:08
Oxygen	**140,000**	10,000	2.5	10/29/2013 20:08

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13 DUP	**1310829-011A**	**Soil Gas/DISS.**	**10/24/2013 13:35**	**GC26**	**83465**

Initial Pressure (psia)	Final Pressure (psia)
12.93	**25.76**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**18,000**	500	10	10/29/2013 20:29
Methane	**2.2**	1.0	1	10/30/2013 16:34
Oxygen	**140,000**	10,000	2.5	10/29/2013 20:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-3	**1310829-001A**	**Soil Gas**	**10/24/2013 11:41**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.06	**24.02**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 03:31
Acrolein	ND	0.23	1	10/26/2013 03:31
Acrylonitrile	ND	1.1	1	10/26/2013 03:31
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 03:31
Benzene	ND	1.6	1	10/26/2013 03:31
Benzyl chloride	ND	2.6	1	10/26/2013 03:31
Bromodichloromethane	ND	3.5	1	10/26/2013 03:31
Bromoform	ND	5.2	1	10/26/2013 03:31
Bromomethane	ND	2.0	1	10/26/2013 03:31
1,3-Butadiene	ND	1.1	1	10/26/2013 03:31
2-Butanone (MEK)	ND	75	1	10/26/2013 03:31
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 03:31
Carbon Disulfide	ND	1.6	1	10/26/2013 03:31
Carbon Tetrachloride	ND	3.2	1	10/26/2013 03:31
Chlorobenzene	ND	2.4	1	10/26/2013 03:31
Chloroethane	ND	1.3	1	10/26/2013 03:31
Chloroform	ND	2.4	1	10/26/2013 03:31
Chloromethane	ND	1.0	1	10/26/2013 03:31
Cyclohexane	ND	18	1	10/26/2013 03:31
Dibromochloromethane	ND	4.4	1	10/26/2013 03:31
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 03:31
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 03:31
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 03:31
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 03:31
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 03:31
Dichlorodifluoromethane	**2.6**	2.5	1	10/26/2013 03:31
1,1-Dichloroethane	ND	2.0	1	10/26/2013 03:31
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 03:31
1,1-Dichloroethene	ND	2.0	1	10/26/2013 03:31
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 03:31
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 03:31
1,2-Dichloropropane	ND	2.4	1	10/26/2013 03:31
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 03:31
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 03:31

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-3	1310829-001A	Soil Gas	10/24/2013 11:41	GC24	83426

Initial Pressure (psia)	Final Pressure (psia)
12.06	24.02

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 03:31
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 03:31
1,4-Dioxane	ND	1.8	1	10/26/2013 03:31
Ethanol	ND	96	1	10/26/2013 03:31
Ethyl acetate	ND	1.8	1	10/26/2013 03:31
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 03:31
Ethylbenzene	ND	2.2	1	10/26/2013 03:31
4-Ethyltoluene	ND	2.5	1	10/26/2013 03:31
Freon 113	ND	3.9	1	10/26/2013 03:31
Heptane	ND	21	1	10/26/2013 03:31
Hexachlorobutadiene	ND	5.4	1	10/26/2013 03:31
Hexane	ND	18	1	10/26/2013 03:31
2-Hexanone	ND	2.1	1	10/26/2013 03:31
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 03:31
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 03:31
Methylene chloride	ND	1.8	1	10/26/2013 03:31
Methyl methacrylate	ND	0.42	1	10/26/2013 03:31
Naphthalene	ND	5.3	1	10/26/2013 03:31
Propene	ND	88	1	10/26/2013 03:31
Styrene	ND	2.2	1	10/26/2013 03:31
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 03:31
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 03:31
Tetrachloroethene	**57**	3.4	1	10/26/2013 03:31
Tetrahydrofuran	**3.5**	1.5	1	10/26/2013 03:31
Toluene	ND	1.9	1	10/26/2013 03:31
TPH(g)	ND	720	1	10/28/2013 21:12
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 03:31
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 03:31
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 03:31
Trichloroethene	ND	2.8	1	10/26/2013 03:31
Trichlorofluoromethane	ND	2.8	1	10/26/2013 03:31
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 03:31
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 03:31
Vinyl Acetate	ND	1.8	1	10/26/2013 03:31

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-3	**1310829-001A**	**Soil Gas**	**10/24/2013 11:41**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.06	**24.02**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 03:31
Xylenes, Total	ND	6.6	1	10/26/2013 03:31

Surrogates	REC (%)	Limits	
1,2-DCA-d4	89	70-130	10/26/2013 03:31
Toluene-d8	86	70-130	10/26/2013 03:31
4-BFB	86	70-130	10/26/2013 03:31

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CDPH ELAP 1644 ♦ NELAP 12283CA BB Analyst's Initial Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-4	**1310829-002A**	**Soil Gas**	**10/24/2013 12:03**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.61	**25.13**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 04:14
Acrolein	ND	0.23	1	10/26/2013 04:14
Acrylonitrile	ND	1.1	1	10/26/2013 04:14
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 04:14
Benzene	ND	1.6	1	10/26/2013 04:14
Benzyl chloride	ND	2.6	1	10/26/2013 04:14
Bromodichloromethane	ND	3.5	1	10/26/2013 04:14
Bromoform	ND	5.2	1	10/26/2013 04:14
Bromomethane	ND	2.0	1	10/26/2013 04:14
1,3-Butadiene	ND	1.1	1	10/26/2013 04:14
2-Butanone (MEK)	ND	75	1	10/26/2013 04:14
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 04:14
Carbon Disulfide	ND	1.6	1	10/26/2013 04:14
Carbon Tetrachloride	ND	3.2	1	10/26/2013 04:14
Chlorobenzene	ND	2.4	1	10/26/2013 04:14
Chloroethane	ND	1.3	1	10/26/2013 04:14
Chloroform	ND	2.4	1	10/26/2013 04:14
Chloromethane	ND	1.0	1	10/26/2013 04:14
Cyclohexane	ND	18	1	10/26/2013 04:14
Dibromochloromethane	ND	4.4	1	10/26/2013 04:14
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 04:14
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 04:14
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 04:14
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 04:14
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 04:14
Dichlorodifluoromethane	**2.5**	2.5	1	10/26/2013 04:14
1,1-Dichloroethane	ND	2.0	1	10/26/2013 04:14
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 04:14
1,1-Dichloroethene	ND	2.0	1	10/26/2013 04:14
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 04:14
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 04:14
1,2-Dichloropropane	ND	2.4	1	10/26/2013 04:14
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 04:14
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 04:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-4	1310829-002A	Soil Gas	10/24/2013 12:03	GC24	83426

Initial Pressure (psia)	Final Pressure (psia)
12.61	25.13

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 04:14
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 04:14
1,4-Dioxane	ND	1.8	1	10/26/2013 04:14
Ethanol	ND	96	1	10/26/2013 04:14
Ethyl acetate	ND	1.8	1	10/26/2013 04:14
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 04:14
Ethylbenzene	ND	2.2	1	10/26/2013 04:14
4-Ethyltoluene	ND	2.5	1	10/26/2013 04:14
Freon 113	ND	3.9	1	10/26/2013 04:14
Heptane	ND	21	1	10/26/2013 04:14
Hexachlorobutadiene	ND	5.4	1	10/26/2013 04:14
Hexane	ND	18	1	10/26/2013 04:14
2-Hexanone	ND	2.1	1	10/26/2013 04:14
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 04:14
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 04:14
Methylene chloride	ND	1.8	1	10/26/2013 04:14
Methyl methacrylate	ND	0.42	1	10/26/2013 04:14
Naphthalene	ND	5.3	1	10/26/2013 04:14
Propene	ND	88	1	10/26/2013 04:14
Styrene	ND	2.2	1	10/26/2013 04:14
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 04:14
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 04:14
Tetrachloroethene	**500**	3.4	1	10/26/2013 04:14
Tetrahydrofuran	**2.1**	1.5	1	10/26/2013 04:14
Toluene	ND	1.9	1	10/26/2013 04:14
TPH(g)	ND	720	1	10/28/2013 21:55
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 04:14
1,1,1-Trichloroethane	**8.2**	2.8	1	10/26/2013 04:14
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 04:14
Trichloroethene	ND	2.8	1	10/26/2013 04:14
Trichlorofluoromethane	ND	2.8	1	10/26/2013 04:14
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 04:14
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 04:14
Vinyl Acetate	ND	1.8	1	10/26/2013 04:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-4	**1310829-002A**	**Soil Gas**	**10/24/2013 12:03**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.61	**25.13**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 04:14
Xylenes, Total	ND	6.6	1	10/26/2013 04:14

Surrogates	REC (%)	Limits	
1,2-DCA-d4	90	70-130	10/26/2013 04:14
Toluene-d8	89	70-130	10/26/2013 04:14
4-BFB	87	70-130	10/26/2013 04:14

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-6	**1310829-003A**	**Soil Gas**	**10/24/2013 11:19**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
14.05	**28.00**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 04:58
Acrolein	ND	0.23	1	10/26/2013 04:58
Acrylonitrile	ND	1.1	1	10/26/2013 04:58
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 04:58
Benzene	ND	1.6	1	10/26/2013 04:58
Benzyl chloride	ND	2.6	1	10/26/2013 04:58
Bromodichloromethane	ND	3.5	1	10/26/2013 04:58
Bromoform	ND	5.2	1	10/26/2013 04:58
Bromomethane	ND	2.0	1	10/26/2013 04:58
1,3-Butadiene	ND	1.1	1	10/26/2013 04:58
2-Butanone (MEK)	ND	75	1	10/26/2013 04:58
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 04:58
Carbon Disulfide	ND	1.6	1	10/26/2013 04:58
Carbon Tetrachloride	ND	3.2	1	10/26/2013 04:58
Chlorobenzene	ND	2.4	1	10/26/2013 04:58
Chloroethane	ND	1.3	1	10/26/2013 04:58
Chloroform	ND	2.4	1	10/26/2013 04:58
Chloromethane	ND	1.0	1	10/26/2013 04:58
Cyclohexane	ND	18	1	10/26/2013 04:58
Dibromochloromethane	ND	4.4	1	10/26/2013 04:58
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 04:58
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 04:58
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 04:58
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 04:58
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 04:58
Dichlorodifluoromethane	ND	2.5	1	10/26/2013 04:58
1,1-Dichloroethane	ND	2.0	1	10/26/2013 04:58
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 04:58
1,1-Dichloroethene	ND	2.0	1	10/26/2013 04:58
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 04:58
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 04:58
1,2-Dichloropropane	ND	2.4	1	10/26/2013 04:58
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 04:58
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 04:58

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-6	**1310829-003A**	**Soil Gas**	**10/24/2013 11:19**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
14.05	**28.00**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 04:58
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 04:58
1,4-Dioxane	ND	1.8	1	10/26/2013 04:58
Ethanol	ND	96	1	10/26/2013 04:58
Ethyl acetate	**6.5**	1.8	1	10/26/2013 04:58
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 04:58
Ethylbenzene	ND	2.2	1	10/26/2013 04:58
4-Ethyltoluene	ND	2.5	1	10/26/2013 04:58
Freon 113	ND	3.9	1	10/26/2013 04:58
Heptane	ND	21	1	10/26/2013 04:58
Hexachlorobutadiene	ND	5.4	1	10/26/2013 04:58
Hexane	ND	18	1	10/26/2013 04:58
2-Hexanone	**6.5**	2.1	1	10/26/2013 04:58
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 04:58
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 04:58
Methylene chloride	ND	1.8	1	10/26/2013 04:58
Methyl methacrylate	ND	0.42	1	10/26/2013 04:58
Naphthalene	ND	5.3	1	10/26/2013 04:58
Propene	ND	88	1	10/26/2013 04:58
Styrene	ND	2.2	1	10/26/2013 04:58
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 04:58
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 04:58
Tetrachloroethene	**46**	3.4	1	10/26/2013 04:58
Tetrahydrofuran	**5.3**	1.5	1	10/26/2013 04:58
Toluene	ND	1.9	1	10/26/2013 04:58
TPH(g)	**880**	720	1	10/28/2013 20:29
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 04:58
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 04:58
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 04:58
Trichloroethene	**29**	2.8	1	10/26/2013 04:58
Trichlorofluoromethane	ND	2.8	1	10/26/2013 04:58
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 04:58
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 04:58
Vinyl Acetate	ND	1.8	1	10/26/2013 04:58

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Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-6	**1310829-003A**	**Soil Gas**	**10/24/2013 11:19**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
14.05	**28.00**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 04:58
Xylenes, Total	ND	6.6	1	10/26/2013 04:58

Surrogates	REC (%)	Limits	
1,2-DCA-d4	88	70-130	10/26/2013 04:58
Toluene-d8	87	70-130	10/26/2013 04:58
4-BFB	88	70-130	10/26/2013 04:58

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-7	**1310829-004A**	**Soil Gas**	**10/24/2013 10:28**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.98	**25.88**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 05:41
Acrolein	ND	0.23	1	10/26/2013 05:41
Acrylonitrile	ND	1.1	1	10/26/2013 05:41
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 05:41
Benzene	ND	1.6	1	10/26/2013 05:41
Benzyl chloride	ND	2.6	1	10/26/2013 05:41
Bromodichloromethane	ND	3.5	1	10/26/2013 05:41
Bromoform	ND	5.2	1	10/26/2013 05:41
Bromomethane	ND	2.0	1	10/26/2013 05:41
1,3-Butadiene	ND	1.1	1	10/26/2013 05:41
2-Butanone (MEK)	ND	75	1	10/26/2013 05:41
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 05:41
Carbon Disulfide	ND	1.6	1	10/26/2013 05:41
Carbon Tetrachloride	ND	3.2	1	10/26/2013 05:41
Chlorobenzene	ND	2.4	1	10/26/2013 05:41
Chloroethane	ND	1.3	1	10/26/2013 05:41
Chloroform	ND	2.4	1	10/26/2013 05:41
Chloromethane	ND	1.0	1	10/26/2013 05:41
Cyclohexane	ND	18	1	10/26/2013 05:41
Dibromochloromethane	ND	4.4	1	10/26/2013 05:41
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 05:41
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 05:41
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 05:41
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 05:41
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 05:41
Dichlorodifluoromethane	ND	2.5	1	10/26/2013 05:41
1,1-Dichloroethane	ND	2.0	1	10/26/2013 05:41
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 05:41
1,1-Dichloroethene	ND	2.0	1	10/26/2013 05:41
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 05:41
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 05:41
1,2-Dichloropropane	ND	2.4	1	10/26/2013 05:41
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 05:41
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 05:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-7	**1310829-004A**	**Soil Gas**	**10/24/2013 10:28**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.98	**25.88**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 05:41
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 05:41
1,4-Dioxane	ND	1.8	1	10/26/2013 05:41
Ethanol	ND	96	1	10/26/2013 05:41
Ethyl acetate	**2.3**	1.8	1	10/26/2013 05:41
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 05:41
Ethylbenzene	ND	2.2	1	10/26/2013 05:41
4-Ethyltoluene	ND	2.5	1	10/26/2013 05:41
Freon 113	ND	3.9	1	10/26/2013 05:41
Heptane	ND	21	1	10/26/2013 05:41
Hexachlorobutadiene	ND	5.4	1	10/26/2013 05:41
Hexane	ND	18	1	10/26/2013 05:41
2-Hexanone	ND	2.1	1	10/26/2013 05:41
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 05:41
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 05:41
Methylene chloride	ND	1.8	1	10/26/2013 05:41
Methyl methacrylate	ND	0.42	1	10/26/2013 05:41
Naphthalene	ND	5.3	1	10/26/2013 05:41
Propene	ND	88	1	10/26/2013 05:41
Styrene	ND	2.2	1	10/26/2013 05:41
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 05:41
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 05:41
Tetrachloroethene	ND	3.4	1	10/26/2013 05:41
Tetrahydrofuran	**16**	1.5	1	10/26/2013 05:41
Toluene	ND	1.9	1	10/26/2013 05:41
TPH(g)	ND	720	1	10/28/2013 17:39
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 05:41
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 05:41
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 05:41
Trichloroethene	ND	2.8	1	10/26/2013 05:41
Trichlorofluoromethane	ND	2.8	1	10/26/2013 05:41
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 05:41
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 05:41
Vinyl Acetate	ND	1.8	1	10/26/2013 05:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-7	**1310829-004A**	**Soil Gas**	**10/24/2013 10:28**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.98	**25.88**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 05:41
Xylenes, Total	ND	6.6	1	10/26/2013 05:41

Surrogates	REC (%)	Limits	
1,2-DCA-d4	87	70-130	10/26/2013 05:41
Toluene-d8	86	70-130	10/26/2013 05:41
4-BFB	85	70-130	10/26/2013 05:41

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-8	**1310829-005A**	**Soil Gas**	**10/24/2013 09:06**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.28	**24.46**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 06:25
Acrolein	ND	0.23	1	10/26/2013 06:25
Acrylonitrile	ND	1.1	1	10/26/2013 06:25
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 06:25
Benzene	ND	1.6	1	10/26/2013 06:25
Benzyl chloride	ND	2.6	1	10/26/2013 06:25
Bromodichloromethane	ND	3.5	1	10/26/2013 06:25
Bromoform	ND	5.2	1	10/26/2013 06:25
Bromomethane	ND	2.0	1	10/26/2013 06:25
1,3-Butadiene	ND	1.1	1	10/26/2013 06:25
2-Butanone (MEK)	ND	75	1	10/26/2013 06:25
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 06:25
Carbon Disulfide	ND	1.6	1	10/26/2013 06:25
Carbon Tetrachloride	ND	3.2	1	10/26/2013 06:25
Chlorobenzene	ND	2.4	1	10/26/2013 06:25
Chloroethane	ND	1.3	1	10/26/2013 06:25
Chloroform	ND	2.4	1	10/26/2013 06:25
Chloromethane	ND	1.0	1	10/26/2013 06:25
Cyclohexane	ND	18	1	10/26/2013 06:25
Dibromochloromethane	ND	4.4	1	10/26/2013 06:25
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 06:25
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 06:25
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 06:25
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 06:25
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 06:25
Dichlorodifluoromethane	ND	2.5	1	10/26/2013 06:25
1,1-Dichloroethane	ND	2.0	1	10/26/2013 06:25
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 06:25
1,1-Dichloroethene	ND	2.0	1	10/26/2013 06:25
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 06:25
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 06:25
1,2-Dichloropropane	ND	2.4	1	10/26/2013 06:25
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 06:25
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 06:25

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-8	**1310829-005A**	**Soil Gas**	**10/24/2013 09:06**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.28	**24.46**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 06:25
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 06:25
1,4-Dioxane	ND	1.8	1	10/26/2013 06:25
Ethanol	ND	96	1	10/26/2013 06:25
Ethyl acetate	ND	1.8	1	10/26/2013 06:25
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 06:25
Ethylbenzene	ND	2.2	1	10/26/2013 06:25
4-Ethyltoluene	ND	2.5	1	10/26/2013 06:25
Freon 113	ND	3.9	1	10/26/2013 06:25
Heptane	ND	21	1	10/26/2013 06:25
Hexachlorobutadiene	ND	5.4	1	10/26/2013 06:25
Hexane	ND	18	1	10/26/2013 06:25
2-Hexanone	ND	2.1	1	10/26/2013 06:25
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 06:25
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 06:25
Methylene chloride	ND	1.8	1	10/26/2013 06:25
Methyl methacrylate	ND	0.42	1	10/26/2013 06:25
Naphthalene	ND	5.3	1	10/26/2013 06:25
Propene	ND	88	1	10/26/2013 06:25
Styrene	ND	2.2	1	10/26/2013 06:25
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 06:25
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 06:25
Tetrachloroethene	**5.2**	3.4	1	10/26/2013 06:25
Tetrahydrofuran	ND	1.5	1	10/26/2013 06:25
Toluene	ND	1.9	1	10/26/2013 06:25
TPH(g)	ND	720	1	10/28/2013 18:20
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 06:25
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 06:25
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 06:25
Trichloroethene	ND	2.8	1	10/26/2013 06:25
Trichlorofluoromethane	ND	2.8	1	10/26/2013 06:25
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 06:25
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 06:25
Vinyl Acetate	ND	1.8	1	10/26/2013 06:25

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-8	**1310829-005A**	**Soil Gas**	**10/24/2013 09:06**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
12.28	**24.46**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 06:25
Xylenes, Total	ND	6.6	1	10/26/2013 06:25

Surrogates	REC (%)	Limits	
1,2-DCA-d4	90	70-130	10/26/2013 06:25
Toluene-d8	88	70-130	10/26/2013 06:25
4-BFB	84	70-130	10/26/2013 06:25

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-9	**1310829-006A**	**Soil Gas**	**10/24/2013 10:13**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.78	**27.46**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 07:07
Acrolein	ND	0.23	1	10/26/2013 07:07
Acrylonitrile	ND	1.1	1	10/26/2013 07:07
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 07:07
Benzene	ND	1.6	1	10/26/2013 07:07
Benzyl chloride	ND	2.6	1	10/26/2013 07:07
Bromodichloromethane	ND	3.5	1	10/26/2013 07:07
Bromoform	ND	5.2	1	10/26/2013 07:07
Bromomethane	ND	2.0	1	10/26/2013 07:07
1,3-Butadiene	ND	1.1	1	10/26/2013 07:07
2-Butanone (MEK)	ND	75	1	10/26/2013 07:07
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 07:07
Carbon Disulfide	ND	1.6	1	10/26/2013 07:07
Carbon Tetrachloride	ND	3.2	1	10/26/2013 07:07
Chlorobenzene	ND	2.4	1	10/26/2013 07:07
Chloroethane	ND	1.3	1	10/26/2013 07:07
Chloroform	ND	2.4	1	10/26/2013 07:07
Chloromethane	ND	1.0	1	10/26/2013 07:07
Cyclohexane	ND	18	1	10/26/2013 07:07
Dibromochloromethane	ND	4.4	1	10/26/2013 07:07
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 07:07
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 07:07
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 07:07
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 07:07
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 07:07
Dichlorodifluoromethane	ND	2.5	1	10/26/2013 07:07
1,1-Dichloroethane	ND	2.0	1	10/26/2013 07:07
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 07:07
1,1-Dichloroethene	ND	2.0	1	10/26/2013 07:07
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 07:07
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 07:07
1,2-Dichloropropane	ND	2.4	1	10/26/2013 07:07
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 07:07
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 07:07

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Analytical Report

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Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-9	**1310829-006A**	**Soil Gas**	**10/24/2013 10:13**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.78	**27.46**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 07:07
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 07:07
1,4-Dioxane	ND	1.8	1	10/26/2013 07:07
Ethanol	ND	96	1	10/26/2013 07:07
Ethyl acetate	ND	1.8	1	10/26/2013 07:07
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 07:07
Ethylbenzene	ND	2.2	1	10/26/2013 07:07
4-Ethyltoluene	ND	2.5	1	10/26/2013 07:07
Freon 113	ND	3.9	1	10/26/2013 07:07
Heptane	ND	21	1	10/26/2013 07:07
Hexachlorobutadiene	ND	5.4	1	10/26/2013 07:07
Hexane	ND	18	1	10/26/2013 07:07
2-Hexanone	ND	2.1	1	10/26/2013 07:07
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 07:07
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 07:07
Methylene chloride	ND	1.8	1	10/26/2013 07:07
Methyl methacrylate	ND	0.42	1	10/26/2013 07:07
Naphthalene	ND	5.3	1	10/26/2013 07:07
Propene	ND	88	1	10/26/2013 07:07
Styrene	ND	2.2	1	10/26/2013 07:07
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 07:07
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 07:07
Tetrachloroethene	**5.4**	3.4	1	10/26/2013 07:07
Tetrahydrofuran	ND	1.5	1	10/26/2013 07:07
Toluene	ND	1.9	1	10/26/2013 07:07
TPH(g)	ND	720	1	10/28/2013 19:03
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 07:07
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 07:07
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 07:07
Trichloroethene	ND	2.8	1	10/26/2013 07:07
Trichlorofluoromethane	ND	2.8	1	10/26/2013 07:07
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 07:07
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 07:07
Vinyl Acetate	ND	1.8	1	10/26/2013 07:07

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Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-9	**1310829-006A**	**Soil Gas**	**10/24/2013 10:13**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.78	**27.46**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 07:07
Xylenes, Total	ND	6.6	1	10/26/2013 07:07

Surrogates	REC (%)	Limits	
1,2-DCA-d4	91	70-130	10/26/2013 07:07
Toluene-d8	88	70-130	10/26/2013 07:07
4-BFB	86	70-130	10/26/2013 07:07

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-12	**1310829-007A**	**Soil Gas**	**10/24/2013 11:12**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.69	**27.28**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/26/2013 07:53
Acrolein	ND	3.0	1	10/26/2013 07:53
Acrylonitrile	ND	1.1	1	10/26/2013 07:53
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/26/2013 07:53
Benzene	ND	1.6	1	10/26/2013 07:53
Benzyl chloride	ND	2.6	1	10/26/2013 07:53
Bromodichloromethane	ND	3.5	1	10/26/2013 07:53
Bromoform	ND	5.2	1	10/26/2013 07:53
Bromomethane	ND	2.0	1	10/26/2013 07:53
1,3-Butadiene	ND	1.1	1	10/26/2013 07:53
2-Butanone (MEK)	ND	75	1	10/26/2013 07:53
t-Butyl alcohol (TBA)	ND	31	1	10/26/2013 07:53
Carbon Disulfide	**2.5**	1.6	1	10/26/2013 07:53
Carbon Tetrachloride	ND	3.2	1	10/26/2013 07:53
Chlorobenzene	ND	2.4	1	10/26/2013 07:53
Chloroethane	ND	1.3	1	10/26/2013 07:53
Chloroform	ND	2.4	1	10/26/2013 07:53
Chloromethane	ND	1.0	1	10/26/2013 07:53
Cyclohexane	ND	18	1	10/26/2013 07:53
Dibromochloromethane	ND	4.4	1	10/26/2013 07:53
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/26/2013 07:53
1,2-Dibromoethane (EDB)	ND	3.9	1	10/26/2013 07:53
1,2-Dichlorobenzene	ND	3.0	1	10/26/2013 07:53
1,3-Dichlorobenzene	ND	3.0	1	10/26/2013 07:53
1,4-Dichlorobenzene	ND	3.0	1	10/26/2013 07:53
Dichlorodifluoromethane	**2.5**	2.5	1	10/26/2013 07:53
1,1-Dichloroethane	ND	2.0	1	10/26/2013 07:53
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/26/2013 07:53
1,1-Dichloroethene	ND	2.0	1	10/26/2013 07:53
cis-1,2-Dichloroethene	ND	2.0	1	10/26/2013 07:53
trans-1,2-Dichloroethene	ND	2.0	1	10/26/2013 07:53
1,2-Dichloropropane	ND	2.4	1	10/26/2013 07:53
cis-1,3-Dichloropropene	ND	2.3	1	10/26/2013 07:53
trans-1,3-Dichloropropene	ND	2.3	1	10/26/2013 07:53

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-12	**1310829-007A**	**Soil Gas**	**10/24/2013 11:12**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.69	**27.28**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/26/2013 07:53
Diisopropyl ether (DIPE)	ND	2.1	1	10/26/2013 07:53
1,4-Dioxane	ND	1.8	1	10/26/2013 07:53
Ethanol	ND	96	1	10/26/2013 07:53
Ethyl acetate	ND	1.8	1	10/26/2013 07:53
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/26/2013 07:53
Ethylbenzene	ND	2.2	1	10/26/2013 07:53
4-Ethyltoluene	ND	2.5	1	10/26/2013 07:53
Freon 113	ND	3.9	1	10/26/2013 07:53
Heptane	ND	21	1	10/26/2013 07:53
Hexachlorobutadiene	ND	5.4	1	10/26/2013 07:53
Hexane	ND	18	1	10/26/2013 07:53
2-Hexanone	ND	2.1	1	10/26/2013 07:53
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/26/2013 07:53
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/26/2013 07:53
Methylene chloride	ND	1.8	1	10/26/2013 07:53
Methyl methacrylate	ND	0.42	1	10/26/2013 07:53
Naphthalene	ND	5.3	1	10/26/2013 07:53
Propene	ND	88	1	10/26/2013 07:53
Styrene	ND	2.2	1	10/26/2013 07:53
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/26/2013 07:53
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/26/2013 07:53
Tetrachloroethene	**40**	3.4	1	10/26/2013 07:53
Tetrahydrofuran	ND	1.5	1	10/26/2013 07:53
Toluene	ND	1.9	1	10/26/2013 07:53
TPH(g)	ND	720	1	10/28/2013 19:46
1,2,4-Trichlorobenzene	ND	3.8	1	10/26/2013 07:53
1,1,1-Trichloroethane	ND	2.8	1	10/26/2013 07:53
1,1,2-Trichloroethane	ND	2.8	1	10/26/2013 07:53
Trichloroethene	ND	2.8	1	10/26/2013 07:53
Trichlorofluoromethane	ND	2.8	1	10/26/2013 07:53
1,2,4-Trimethylbenzene	ND	2.5	1	10/26/2013 07:53
1,3,5-Trimethylbenzene	ND	2.5	1	10/26/2013 07:53
Vinyl Acetate	ND	1.8	1	10/26/2013 07:53

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-12	**1310829-007A**	**Soil Gas**	**10/24/2013 11:12**	**GC24**	**83426**

Initial Pressure (psia)	Final Pressure (psia)
13.69	**27.28**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/26/2013 07:53
Xylenes, Total	ND	6.6	1	10/26/2013 07:53

Surrogates	REC (%)	Limits	Analytical Comments: j1	
1,2-DCA-d4	89	70-130		10/26/2013 07:53
Toluene-d8	85	70-130		10/26/2013 07:53
4-BFB	85	70-130		10/26/2013 07:53

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CDPH ELAP 1644 ♦ NELAP 12283CA BB Analyst's Initial Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13	**1310829-008A**	**Soil Gas**	**10/24/2013 13:15**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.13	**26.16**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**100**	60	1	10/30/2013 20:44
Acrolein	ND	0.23	1	10/30/2013 20:44
Acrylonitrile	ND	1.1	1	10/30/2013 20:44
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/30/2013 20:44
Benzene	**190**	1.6	1	10/30/2013 20:44
Benzyl chloride	ND	2.6	1	10/30/2013 20:44
Bromodichloromethane	ND	3.5	1	10/30/2013 20:44
Bromoform	ND	5.2	1	10/30/2013 20:44
Bromomethane	**9.5**	2.0	1	10/30/2013 20:44
1,3-Butadiene	ND	1.1	1	10/30/2013 20:44
2-Butanone (MEK)	ND	75	1	10/30/2013 20:44
t-Butyl alcohol (TBA)	ND	31	1	10/30/2013 20:44
Carbon Disulfide	**14**	1.6	1	10/30/2013 20:44
Carbon Tetrachloride	ND	3.2	1	10/30/2013 20:44
Chlorobenzene	ND	2.4	1	10/30/2013 20:44
Chloroethane	ND	1.3	1	10/30/2013 20:44
Chloroform	ND	2.4	1	10/30/2013 20:44
Chloromethane	ND	1.0	1	10/30/2013 20:44
Cyclohexane	**110**	18	1	10/30/2013 20:44
Dibromochloromethane	ND	4.4	1	10/30/2013 20:44
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/30/2013 20:44
1,2-Dibromoethane (EDB)	ND	3.9	1	10/30/2013 20:44
1,2-Dichlorobenzene	ND	3.0	1	10/30/2013 20:44
1,3-Dichlorobenzene	ND	3.0	1	10/30/2013 20:44
1,4-Dichlorobenzene	ND	3.0	1	10/30/2013 20:44
Dichlorodifluoromethane	ND	2.5	1	10/30/2013 20:44
1,1-Dichloroethane	ND	2.0	1	10/30/2013 20:44
1,2-Dichloroethane (1,2-DCA)	**4.0**	2.0	1	10/30/2013 20:44
1,1-Dichloroethene	ND	2.0	1	10/30/2013 20:44
cis-1,2-Dichloroethene	ND	2.0	1	10/30/2013 20:44
trans-1,2-Dichloroethene	ND	2.0	1	10/30/2013 20:44
1,2-Dichloropropane	ND	2.4	1	10/30/2013 20:44
cis-1,3-Dichloropropene	ND	2.3	1	10/30/2013 20:44
trans-1,3-Dichloropropene	ND	2.3	1	10/30/2013 20:44

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13	1310829-008A	Soil Gas	10/24/2013 13:15	GC24	83427

Initial Pressure (psia)	Final Pressure (psia)
13.13	26.16

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/30/2013 20:44
Diisopropyl ether (DIPE)	ND	2.1	1	10/30/2013 20:44
1,4-Dioxane	ND	1.8	1	10/30/2013 20:44
Ethanol	ND	96	1	10/30/2013 20:44
Ethyl acetate	**4.2**	1.8	1	10/30/2013 20:44
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/30/2013 20:44
Ethylbenzene	**37**	2.2	1	10/30/2013 20:44
4-Ethyltoluene	**30**	2.5	1	10/30/2013 20:44
Freon 113	ND	3.9	1	10/30/2013 20:44
Heptane	**57**	21	1	10/30/2013 20:44
Hexachlorobutadiene	ND	5.4	1	10/30/2013 20:44
Hexane	**69**	18	1	10/30/2013 20:44
2-Hexanone	ND	2.1	1	10/30/2013 20:44
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/30/2013 20:44
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/30/2013 20:44
Methylene chloride	**3.5**	1.8	1	10/30/2013 20:44
Methyl methacrylate	ND	0.42	1	10/30/2013 20:44
Naphthalene	ND	5.3	1	10/30/2013 20:44
Propene	ND	88	1	10/30/2013 20:44
Styrene	ND	2.2	1	10/30/2013 20:44
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/30/2013 20:44
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/30/2013 20:44
Tetrachloroethene	**390**	3.4	1	10/30/2013 20:44
Tetrahydrofuran	ND	1.5	1	10/30/2013 20:44
Toluene	**220**	1.9	1	10/30/2013 20:44
TPH(g)	**9000**	720	1	10/29/2013 02:34
1,2,4-Trichlorobenzene	ND	3.8	1	10/30/2013 20:44
1,1,1-Trichloroethane	**4.2**	2.8	1	10/30/2013 20:44
1,1,2-Trichloroethane	ND	2.8	1	10/30/2013 20:44
Trichloroethene	**5.3**	2.8	1	10/30/2013 20:44
Trichlorofluoromethane	ND	2.8	1	10/30/2013 20:44
1,2,4-Trimethylbenzene	**87**	2.5	1	10/30/2013 20:44
1,3,5-Trimethylbenzene	**69**	2.5	1	10/30/2013 20:44
Vinyl Acetate	ND	1.8	1	10/30/2013 20:44

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13	**1310829-008A**	**Soil Gas**	**10/24/2013 13:15**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.13	**26.16**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/30/2013 20:44
Xylenes, Total	**390**	6.6	1	10/30/2013 20:44

Surrogates	REC (%)	Limits	
1,2-DCA-d4	94	70-130	10/30/2013 20:44
Toluene-d8	93	70-130	10/30/2013 20:44
4-BFB	91	70-130	10/30/2013 20:44

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-14	**1310829-009A**	**Soil Gas**	**10/24/2013 14:19**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.48	**26.89**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/30/2013 21:27
Acrolein	ND	0.23	1	10/30/2013 21:27
Acrylonitrile	ND	1.1	1	10/30/2013 21:27
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/30/2013 21:27
Benzene	**30**	1.6	1	10/30/2013 21:27
Benzyl chloride	ND	2.6	1	10/30/2013 21:27
Bromodichloromethane	ND	3.5	1	10/30/2013 21:27
Bromoform	ND	5.2	1	10/30/2013 21:27
Bromomethane	ND	2.0	1	10/30/2013 21:27
1,3-Butadiene	ND	1.1	1	10/30/2013 21:27
2-Butanone (MEK)	ND	75	1	10/30/2013 21:27
t-Butyl alcohol (TBA)	ND	31	1	10/30/2013 21:27
Carbon Disulfide	**6.7**	1.6	1	10/30/2013 21:27
Carbon Tetrachloride	ND	3.2	1	10/30/2013 21:27
Chlorobenzene	ND	2.4	1	10/30/2013 21:27
Chloroethane	ND	1.3	1	10/30/2013 21:27
Chloroform	**3.9**	2.4	1	10/30/2013 21:27
Chloromethane	ND	1.0	1	10/30/2013 21:27
Cyclohexane	**93**	18	1	10/30/2013 21:27
Dibromochloromethane	ND	4.4	1	10/30/2013 21:27
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/30/2013 21:27
1,2-Dibromoethane (EDB)	ND	3.9	1	10/30/2013 21:27
1,2-Dichlorobenzene	ND	3.0	1	10/30/2013 21:27
1,3-Dichlorobenzene	ND	3.0	1	10/30/2013 21:27
1,4-Dichlorobenzene	ND	3.0	1	10/30/2013 21:27
Dichlorodifluoromethane	ND	2.5	1	10/30/2013 21:27
1,1-Dichloroethane	ND	2.0	1	10/30/2013 21:27
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/30/2013 21:27
1,1-Dichloroethene	ND	2.0	1	10/30/2013 21:27
cis-1,2-Dichloroethene	ND	2.0	1	10/30/2013 21:27
trans-1,2-Dichloroethene	ND	2.0	1	10/30/2013 21:27
1,2-Dichloropropane	ND	2.4	1	10/30/2013 21:27
cis-1,3-Dichloropropene	ND	2.3	1	10/30/2013 21:27
trans-1,3-Dichloropropene	ND	2.3	1	10/30/2013 21:27

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-14	**1310829-009A**	**Soil Gas**	**10/24/2013 14:19**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.48	**26.89**

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/30/2013 21:27
Diisopropyl ether (DIPE)	ND	2.1	1	10/30/2013 21:27
1,4-Dioxane	ND	1.8	1	10/30/2013 21:27
Ethanol	ND	96	1	10/30/2013 21:27
Ethyl acetate	ND	1.8	1	10/30/2013 21:27
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/30/2013 21:27
Ethylbenzene	**9.9**	2.2	1	10/30/2013 21:27
4-Ethyltoluene	**9.0**	2.5	1	10/30/2013 21:27
Freon 113	ND	3.9	1	10/30/2013 21:27
Heptane	ND	21	1	10/30/2013 21:27
Hexachlorobutadiene	ND	5.4	1	10/30/2013 21:27
Hexane	**24**	18	1	10/30/2013 21:27
2-Hexanone	ND	2.1	1	10/30/2013 21:27
4-Methyl-2-pentanone (MIBK)	**4.8**	2.1	1	10/30/2013 21:27
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/30/2013 21:27
Methylene chloride	ND	1.8	1	10/30/2013 21:27
Methyl methacrylate	ND	0.42	1	10/30/2013 21:27
Naphthalene	ND	5.3	1	10/30/2013 21:27
Propene	ND	88	1	10/30/2013 21:27
Styrene	**3.9**	2.2	1	10/30/2013 21:27
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/30/2013 21:27
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/30/2013 21:27
Tetrachloroethene	**79**	3.4	1	10/30/2013 21:27
Tetrahydrofuran	ND	1.5	1	10/30/2013 21:27
Toluene	**38**	1.9	1	10/30/2013 21:27
TPH(g)	**2400**	720	1	10/29/2013 03:15
1,2,4-Trichlorobenzene	ND	3.8	1	10/30/2013 21:27
1,1,1-Trichloroethane	ND	2.8	1	10/30/2013 21:27
1,1,2-Trichloroethane	ND	2.8	1	10/30/2013 21:27
Trichloroethene	ND	2.8	1	10/30/2013 21:27
Trichlorofluoromethane	ND	2.8	1	10/30/2013 21:27
1,2,4-Trimethylbenzene	**4.9**	2.5	1	10/30/2013 21:27
1,3,5-Trimethylbenzene	**5.5**	2.5	1	10/30/2013 21:27
Vinyl Acetate	ND	1.8	1	10/30/2013 21:27

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-14	**1310829-009A**	**Soil Gas**	**10/24/2013 14:19**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.48	**26.89**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/30/2013 21:27
Xylenes, Total	**32**	6.6	1	10/30/2013 21:27

Surrogates	REC (%)	Limits	
1,2-DCA-d4	96	70-130	10/30/2013 21:27
Toluene-d8	92	70-130	10/30/2013 21:27
4-BFB	94	70-130	10/30/2013 21:27

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-15	**1310829-010A**	**Soil Gas**	**10/24/2013 13:28**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
12.21	**24.33**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	10/30/2013 22:11
Acrolein	ND	0.23	1	10/30/2013 22:11
Acrylonitrile	ND	1.1	1	10/30/2013 22:11
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/30/2013 22:11
Benzene	**3.8**	1.6	1	10/30/2013 22:11
Benzyl chloride	ND	2.6	1	10/30/2013 22:11
Bromodichloromethane	ND	3.5	1	10/30/2013 22:11
Bromoform	ND	5.2	1	10/30/2013 22:11
Bromomethane	ND	2.0	1	10/30/2013 22:11
1,3-Butadiene	ND	1.1	1	10/30/2013 22:11
2-Butanone (MEK)	ND	75	1	10/30/2013 22:11
t-Butyl alcohol (TBA)	ND	31	1	10/30/2013 22:11
Carbon Disulfide	**2.3**	1.6	1	10/30/2013 22:11
Carbon Tetrachloride	ND	3.2	1	10/30/2013 22:11
Chlorobenzene	ND	2.4	1	10/30/2013 22:11
Chloroethane	ND	1.3	1	10/30/2013 22:11
Chloroform	ND	2.4	1	10/30/2013 22:11
Chloromethane	ND	1.0	1	10/30/2013 22:11
Cyclohexane	ND	18	1	10/30/2013 22:11
Dibromochloromethane	ND	4.4	1	10/30/2013 22:11
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/30/2013 22:11
1,2-Dibromoethane (EDB)	ND	3.9	1	10/30/2013 22:11
1,2-Dichlorobenzene	ND	3.0	1	10/30/2013 22:11
1,3-Dichlorobenzene	ND	3.0	1	10/30/2013 22:11
1,4-Dichlorobenzene	ND	3.0	1	10/30/2013 22:11
Dichlorodifluoromethane	**2.9**	2.5	1	10/30/2013 22:11
1,1-Dichloroethane	ND	2.0	1	10/30/2013 22:11
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	10/30/2013 22:11
1,1-Dichloroethene	ND	2.0	1	10/30/2013 22:11
cis-1,2-Dichloroethene	ND	2.0	1	10/30/2013 22:11
trans-1,2-Dichloroethene	ND	2.0	1	10/30/2013 22:11
1,2-Dichloropropane	ND	2.4	1	10/30/2013 22:11
cis-1,3-Dichloropropene	ND	2.3	1	10/30/2013 22:11
trans-1,3-Dichloropropene	ND	2.3	1	10/30/2013 22:11

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-15	1310829-010A	Soil Gas	10/24/2013 13:28	GC24	83427

Initial Pressure (psia)	Final Pressure (psia)
12.21	24.33

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/30/2013 22:11
Diisopropyl ether (DIPE)	ND	2.1	1	10/30/2013 22:11
1,4-Dioxane	ND	1.8	1	10/30/2013 22:11
Ethanol	ND	96	1	10/30/2013 22:11
Ethyl acetate	ND	1.8	1	10/30/2013 22:11
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/30/2013 22:11
Ethylbenzene	**2.4**	2.2	1	10/30/2013 22:11
4-Ethyltoluene	ND	2.5	1	10/30/2013 22:11
Freon 113	ND	3.9	1	10/30/2013 22:11
Heptane	ND	21	1	10/30/2013 22:11
Hexachlorobutadiene	ND	5.4	1	10/30/2013 22:11
Hexane	ND	18	1	10/30/2013 22:11
2-Hexanone	ND	2.1	1	10/30/2013 22:11
4-Methyl-2-pentanone (MIBK)	**3.1**	2.1	1	10/30/2013 22:11
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/30/2013 22:11
Methylene chloride	ND	1.8	1	10/30/2013 22:11
Methyl methacrylate	ND	0.42	1	10/30/2013 22:11
Naphthalene	ND	5.3	1	10/30/2013 22:11
Propene	ND	88	1	10/30/2013 22:11
Styrene	ND	2.2	1	10/30/2013 22:11
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/30/2013 22:11
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/30/2013 22:11
Tetrachloroethene	**75**	3.4	1	10/30/2013 22:11
Tetrahydrofuran	ND	1.5	1	10/30/2013 22:11
Toluene	**6.0**	1.9	1	10/30/2013 22:11
TPH(g)	ND	720	1	10/29/2013 03:58
1,2,4-Trichlorobenzene	ND	3.8	1	10/30/2013 22:11
1,1,1-Trichloroethane	ND	2.8	1	10/30/2013 22:11
1,1,2-Trichloroethane	ND	2.8	1	10/30/2013 22:11
Trichloroethene	ND	2.8	1	10/30/2013 22:11
Trichlorofluoromethane	ND	2.8	1	10/30/2013 22:11
1,2,4-Trimethylbenzene	**3.2**	2.5	1	10/30/2013 22:11
1,3,5-Trimethylbenzene	ND	2.5	1	10/30/2013 22:11
Vinyl Acetate	ND	1.8	1	10/30/2013 22:11

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-15	**1310829-010A**	**Soil Gas**	**10/24/2013 13:28**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
12.21	**24.33**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/30/2013 22:11
Xylenes, Total	**10**	6.6	1	10/30/2013 22:11

Surrogates	REC (%)	Limits	
1,2-DCA-d4	97	70-130	10/30/2013 22:11
Toluene-d8	93	70-130	10/30/2013 22:11
4-BFB	93	70-130	10/30/2013 22:11

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13 DUP	**1310829-011A**	**Soil Gas**	**10/24/2013 13:35**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.93	**25.76**

Analytes	Result	RL	DF	Date Analyzed
Acetone	**82**	60	1	10/30/2013 22:54
Acrolein	ND	0.23	1	10/30/2013 22:54
Acrylonitrile	ND	1.1	1	10/30/2013 22:54
tert-Amyl methyl ether (TAME)	ND	2.1	1	10/30/2013 22:54
Benzene	**190**	1.6	1	10/30/2013 22:54
Benzyl chloride	ND	2.6	1	10/30/2013 22:54
Bromodichloromethane	ND	3.5	1	10/30/2013 22:54
Bromoform	ND	5.2	1	10/30/2013 22:54
Bromomethane	**10**	2.0	1	10/30/2013 22:54
1,3-Butadiene	ND	1.1	1	10/30/2013 22:54
2-Butanone (MEK)	ND	75	1	10/30/2013 22:54
t-Butyl alcohol (TBA)	ND	31	1	10/30/2013 22:54
Carbon Disulfide	**12**	1.6	1	10/30/2013 22:54
Carbon Tetrachloride	ND	3.2	1	10/30/2013 22:54
Chlorobenzene	ND	2.4	1	10/30/2013 22:54
Chloroethane	ND	1.3	1	10/30/2013 22:54
Chloroform	ND	2.4	1	10/30/2013 22:54
Chloromethane	ND	1.0	1	10/30/2013 22:54
Cyclohexane	**110**	18	1	10/30/2013 22:54
Dibromochloromethane	ND	4.4	1	10/30/2013 22:54
1,2-Dibromo-3-chloropropane	ND	0.12	1	10/30/2013 22:54
1,2-Dibromoethane (EDB)	ND	3.9	1	10/30/2013 22:54
1,2-Dichlorobenzene	ND	3.0	1	10/30/2013 22:54
1,3-Dichlorobenzene	ND	3.0	1	10/30/2013 22:54
1,4-Dichlorobenzene	ND	3.0	1	10/30/2013 22:54
Dichlorodifluoromethane	ND	2.5	1	10/30/2013 22:54
1,1-Dichloroethane	ND	2.0	1	10/30/2013 22:54
1,2-Dichloroethane (1,2-DCA)	**3.7**	2.0	1	10/30/2013 22:54
1,1-Dichloroethene	ND	2.0	1	10/30/2013 22:54
cis-1,2-Dichloroethene	ND	2.0	1	10/30/2013 22:54
trans-1,2-Dichloroethene	ND	2.0	1	10/30/2013 22:54
1,2-Dichloropropane	ND	2.4	1	10/30/2013 22:54
cis-1,3-Dichloropropene	ND	2.3	1	10/30/2013 22:54
trans-1,3-Dichloropropene	ND	2.3	1	10/30/2013 22:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13 DUP	1310829-011A	Soil Gas	10/24/2013 13:35	GC24	83427

Initial Pressure (psia)	Final Pressure (psia)
13.93	25.76

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	10/30/2013 22:54
Diisopropyl ether (DIPE)	ND	2.1	1	10/30/2013 22:54
1,4-Dioxane	ND	1.8	1	10/30/2013 22:54
Ethanol	ND	96	1	10/30/2013 22:54
Ethyl acetate	**5.8**	1.8	1	10/30/2013 22:54
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	10/30/2013 22:54
Ethylbenzene	**35**	2.2	1	10/30/2013 22:54
4-Ethyltoluene	**29**	2.5	1	10/30/2013 22:54
Freon 113	ND	3.9	1	10/30/2013 22:54
Heptane	**55**	21	1	10/30/2013 22:54
Hexachlorobutadiene	ND	5.4	1	10/30/2013 22:54
Hexane	**65**	18	1	10/30/2013 22:54
2-Hexanone	ND	2.1	1	10/30/2013 22:54
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	10/30/2013 22:54
Methyl-t-butyl ether (MTBE)	ND	1.8	1	10/30/2013 22:54
Methylene chloride	**3.6**	1.8	1	10/30/2013 22:54
Methyl methacrylate	ND	0.42	1	10/30/2013 22:54
Naphthalene	ND	5.3	1	10/30/2013 22:54
Propene	ND	88	1	10/30/2013 22:54
Styrene	ND	2.2	1	10/30/2013 22:54
1,1,1,2-Tetrachloroethane	ND	3.5	1	10/30/2013 22:54
1,1,2,2-Tetrachloroethane	ND	3.5	1	10/30/2013 22:54
Tetrachloroethene	**360**	3.4	1	10/30/2013 22:54
Tetrahydrofuran	ND	1.5	1	10/30/2013 22:54
Toluene	**200**	1.9	1	10/30/2013 22:54
TPH(g)	**9300**	720	1	10/29/2013 04:42
1,2,4-Trichlorobenzene	ND	3.8	1	10/30/2013 22:54
1,1,1-Trichloroethane	**5.0**	2.8	1	10/30/2013 22:54
1,1,2-Trichloroethane	ND	2.8	1	10/30/2013 22:54
Trichloroethene	**5.3**	2.8	1	10/30/2013 22:54
Trichlorofluoromethane	ND	2.8	1	10/30/2013 22:54
1,2,4-Trimethylbenzene	**79**	2.5	1	10/30/2013 22:54
1,3,5-Trimethylbenzene	**66**	2.5	1	10/30/2013 22:54
Vinyl Acetate	ND	1.8	1	10/30/2013 22:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Project:	#298931; FSI	**Extraction Method**	TO15
Date Received:	10/24/13 20:18	**Analytical Method:**	TO15
Date Prepared:	10/26/13-10/30/13	**Unit:**	µg/m³

TPH gas + Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SV-13 DUP	**1310829-011A**	**Soil Gas**	**10/24/2013 13:35**	**GC24**	**83427**

Initial Pressure (psia)	Final Pressure (psia)
13.93	**25.76**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	1.3	1	10/30/2013 22:54
Xylenes, Total	**370**	6.6	1	10/30/2013 22:54

Surrogates	REC (%)	Limits	
1,2-DCA-d4	101	70-130	10/30/2013 22:54
Toluene-d8	92	70-130	10/30/2013 22:54
4-BFB	92	70-130	10/30/2013 22:54

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/29/13	**BatchID:**	83464
Date Analyzed:	10/29/13	**Extraction Method**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	Soilgas	**Unit:**	%
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83464

QC SUMMARY REPORT FOR ASTM D 1946-90

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Helium	ND	0.01165	0.0050	0.010	-	116	60-140

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/29/13	**BatchID:**	83465
Date Analyzed:	10/29/13	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	SoilGas	**Unit:**	uL/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83465

QC SUMMARY REPORT FOR ASTM D 1946-90

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Carbon Dioxide	ND	105.6	50	100	-	106	70-130
Methane	ND	94.62	1.0	100	-	94.6	70-130
Oxygen	ND	2416	4000	2800	-	86.3	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/25/13	**BatchID:**	83426
Date Analyzed:	10/25/13	**Extraction Method**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83426

QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	25	-	-	-	-
Acrylonitrile	ND	28.36	0.50	25	-	113	60-140
tert-Amyl methyl ether (TAME)	ND	28.17	0.50	25	-	113	60-140
Benzene	ND	26.68	0.50	25	-	107	60-140
Benzyl chloride	ND	27.26	0.50	25	-	109	60-140
Bromodichloromethane	ND	24.25	0.50	25	-	97	60-140
Bromoform	ND	28.04	0.50	25	-	112	60-140
Bromomethane	ND	-	0.50	-	-	-	-
1,3-Butadiene	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	25	-	-	-	-
t-Butyl alcohol (TBA)	ND	29.86	10	25	-	119	60-140
Carbon Disulfide	ND	27.06	0.50	25	-	108	60-140
Carbon Tetrachloride	ND	29.26	0.50	25	-	117	60-140
Chlorobenzene	ND	25.29	0.50	25	-	101	60-140
Chloroethane	ND	25.91	0.50	25	-	104	60-140
Chloroform	ND	22.31	0.50	25	-	89.3	60-140
Chloromethane	ND	25.2	0.50	25	-	101	60-140
Cyclohexane	ND	-	5.0	-	-	-	-
Dibromochloromethane	ND	31.68	0.50	25	-	127	60-140
1,2-Dibromo-3-chloropropane	ND	33.01	0.012	25	-	132	60-140
1,2-Dibromoethane (EDB)	ND	24.83	0.50	25	-	99.3	60-140
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	25.76	0.50	25	-	103	60-140
1,4-Dichlorobenzene	ND	22.42	0.50	25	-	89.7	60-140
Dichlorodifluoromethane	ND	24.55	0.50	25	-	98.2	60-140
1,1-Dichloroethane	ND	26	0.50	25	-	104	60-140
1,2-Dichloroethane (1,2-DCA)	ND	22.47	0.50	25	-	89.9	60-140
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	27.16	0.50	25	-	109	60-140
trans-1,2-Dichloroethene	ND	27.59	0.50	25	-	110	60-140
1,2-Dichloropropane	ND	22.6	0.50	25	-	90.4	60-140
cis-1,3-Dichloropropene	ND	29.55	0.50	25	-	118	60-140
trans-1,3-Dichloropropene	ND	27.35	0.50	25	-	109	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	24.09	0.50	25	-	96.3	60-140
Diisopropyl ether (DIPE)	ND	30.74	0.50	25	-	123	60-140
1,4-Dioxane	ND	25.98	0.50	25	-	104	60-140
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	27.05	0.50	25	-	108	60-140
Ethyl tert-butyl ether (ETBE)	ND	28.16	0.50	25	-	113	60-140
Ethylbenzene	ND	26.26	0.50	25	-	105	60-140

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/25/13	**BatchID:**	83426
Date Analyzed:	10/25/13	**Extraction Method**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83426

QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
4-Ethyltoluene	ND	-	0.50	-	-	-	-
Freon 113	ND	25.53	0.50	25	-	102	60-140
Heptane	ND	-	5.0	-	-	-	-
Hexachlorobutadiene	ND	27.3	0.50	25	-	109	60-140
Hexane	ND	-	5.0	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	30.6	0.50	25	-	122	60-140
Methyl-t-butyl ether (MTBE)	ND	28.22	0.50	25	-	113	60-140
Methylene chloride	ND	23.24	0.50	25	-	93	60-140
Naphthalene	ND	53.21	1.0	50	-	106	60-140
Propene	ND	-	50	-	-	-	-
Styrene	ND	27.27	0.50	25	-	109	60-140
1,1,1,2-Tetrachloroethane	ND	29.34	0.50	25	-	117	60-140
1,1,2,2-Tetrachloroethane	ND	21.51	0.50	25	-	86	60-140
Tetrachloroethene	ND	25.68	0.50	25	-	103	60-140
Tetrahydrofuran	ND	21.62	0.50	25	-	86.5	60-140
Toluene	ND	24.69	0.50	25	-	98.8	60-140
1,2,4-Trichlorobenzene	ND	27.18	0.50	25	-	109	60-140
1,1,1-Trichloroethane	ND	29.02	0.50	25	-	116	60-140
1,1,2-Trichloroethane	ND	23.41	0.50	25	-	93.6	60-140
Trichloroethene	ND	21.1	0.50	25	-	84.4	60-140
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	25.31	0.50	25	-	101	60-140
1,3,5-Trimethylbenzene	ND	25.54	0.50	25	-	102	60-140
Vinyl Acetate	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	20.04	0.50	25	-	80.2	60-140
Xylenes, Total	ND	78.26	1.5	75	-	104	60-140
Surrogate Recovery							
1,2-DCA-d4	447.6	536.1		500	90	107	60-140
Toluene-d8	445.9	444.4		500	89	89	60-140
4-BFB	425.7	409		500	85	82	60-140

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CDPH ELAP 1644 ♦ NELAP 12283CA

QA/QC Officer

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/29/13	**BatchID:**	83427
Date Analyzed:	10/30/13	**Extraction Method**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83427

QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	25	-	-	-	-
Acrylonitrile	ND	29.37	0.50	25	-	117	60-140
tert-Amyl methyl ether (TAME)	ND	29.42	0.50	25	-	118	60-140
Benzene	ND	28.34	0.50	25	-	113	60-140
Benzyl chloride	ND	30.26	0.50	25	-	121	60-140
Bromodichloromethane	ND	25.44	0.50	25	-	102	60-140
Bromoform	ND	28.66	0.50	25	-	115	60-140
Bromomethane	ND	-	0.50	-	-	-	-
1,3-Butadiene	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	25	-	-	-	-
t-Butyl alcohol (TBA)	ND	26.35	10	25	-	105	60-140
Carbon Disulfide	ND	28.09	0.50	25	-	112	60-140
Carbon Tetrachloride	ND	30.43	0.50	25	-	122	60-140
Chlorobenzene	ND	26	0.50	25	-	104	60-140
Chloroethane	ND	30.35	0.50	25	-	121	60-140
Chloroform	ND	23.44	0.50	25	-	93.8	60-140
Chloromethane	ND	29.53	0.50	25	-	118	60-140
Cyclohexane	ND	-	5.0	-	-	-	-
Dibromochloromethane	ND	32.41	0.50	25	-	130	60-140
1,2-Dibromo-3-chloropropane	ND	35.41	0.012	25	-	142, F2	60-140
1,2-Dibromoethane (EDB)	ND	25.63	0.50	25	-	103	60-140
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	27.45	0.50	25	-	110	60-140
1,4-Dichlorobenzene	ND	24.02	0.50	25	-	96.1	60-140
Dichlorodifluoromethane	ND	24.71	0.50	25	-	98.8	60-140
1,1-Dichloroethane	ND	27.52	0.50	25	-	110	60-140
1,2-Dichloroethane (1,2-DCA)	ND	23.69	0.50	25	-	94.8	60-140
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	27.76	0.50	25	-	111	60-140
trans-1,2-Dichloroethene	ND	28.23	0.50	25	-	113	60-140
1,2-Dichloropropane	ND	24.08	0.50	25	-	96.3	60-140
cis-1,3-Dichloropropene	ND	31.15	0.50	25	-	125	60-140
trans-1,3-Dichloropropene	ND	28.81	0.50	25	-	115	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	25.24	0.50	25	-	101	60-140
Diisopropyl ether (DIPE)	ND	36.44	0.50	25	-	146, F2	60-140
1,4-Dioxane	ND	27.17	0.50	25	-	109	60-140
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	29.18	0.50	25	-	117	60-140
Ethyl tert-butyl ether (ETBE)	ND	30.09	0.50	25	-	120	60-140
Ethylbenzene	ND	27.32	0.50	25	-	109	60-140

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1310829
Date Prepared:	10/29/13	**BatchID:**	83427
Date Analyzed:	10/30/13	**Extraction Method**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	#298931; FSI	**Sample ID:**	MB/LCS-83427

QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
4-Ethyltoluene	ND	-	0.50	-	-	-	-
Freon 113	ND	25.71	0.50	25	-	103	60-140
Heptane	ND	-	5.0	-	-	-	-
Hexachlorobutadiene	ND	27.14	0.50	25	-	109	60-140
Hexane	ND	-	5.0	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	32.95	0.50	25	-	132	60-140
Methyl-t-butyl ether (MTBE)	ND	29.54	0.50	25	-	118	60-140
Methylene chloride	ND	23.6	0.50	25	-	94.4	60-140
Naphthalene	ND	55.35	1.0	50	-	111	60-140
Propene	ND	-	50	-	-	-	-
Styrene	ND	28.67	0.50	25	-	115	60-140
1,1,1,2-Tetrachloroethane	ND	30.19	0.50	25	-	121	60-140
1,1,2,2-Tetrachloroethane	ND	23.13	0.50	25	-	92.5	60-140
Tetrachloroethene	ND	25.86	0.50	25	-	103	60-140
Tetrahydrofuran	ND	25.72	0.50	25	-	103	60-140
Toluene	ND	25.41	0.50	25	-	102	60-140
1,2,4-Trichlorobenzene	ND	28.31	0.50	25	-	113	60-140
1,1,1-Trichloroethane	ND	30.01	0.50	25	-	120	60-140
1,1,2-Trichloroethane	ND	24.29	0.50	25	-	97.2	60-140
Trichloroethene	ND	21.57	0.50	25	-	86.3	60-140
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	27.48	0.50	25	-	110	60-140
1,3,5-Trimethylbenzene	ND	27.29	0.50	25	-	109	60-140
Vinyl Acetate	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	20.02	0.50	25	-	80.1	60-140
Xylenes, Total	ND	81.79	1.5	75	-	109	60-140
Surrogate Recovery							
1,2-DCA-d4	480.6	481.2		500	96	96	60-140
Toluene-d8	467.4	463.4		500	93	93	60-140
4-BFB	447.2	473		500	89	95	60-140

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310829 **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:
PO: #WC084430
ProjectNo: #298931; FSI

Bill to:
Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.co

Requested TAT: 5 days

Date Received: **10/24/2013**
Date Printed: **10/25/2013**

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
1310829-001	SV-3	Soil Gas	10/24/2013 11:41	☐	A	A	A		A							
1310829-002	SV-4	Soil Gas	10/24/2013 12:03	☐	A				A							
1310829-003	SV-6	Soil Gas	10/24/2013 11:19	☐	A				A							
1310829-004	SV-7	Soil Gas	10/24/2013 10:28	☐	A				A							
1310829-005	SV-8	Soil Gas	10/24/2013 9:06	☐	A				A							
1310829-006	SV-9	Soil Gas	10/24/2013 10:13	☐	A				A							
1310829-007	SV-12	Soil Gas	10/24/2013 11:12	☐	A				A							
1310829-008	SV-13	Soil Gas	10/24/2013 13:15	☐	A				A							
1310829-009	SV-14	Soil Gas	10/24/2013 14:19	☐	A				A							
1310829-010	SV-15	Soil Gas	10/24/2013 13:28	☐	A				A							
1310829-011	SV-13 DUP	Soil Gas	10/24/2013 13:35	☐	A				A							
1310829-012	Unused Summa 1	Soil Gas	10/24/2013	☐				A								
1310829-013	Unused Summa 2	Soil Gas	10/24/2013	☐				A								
1310829-014	Unused Summa 3	Soil Gas	10/24/2013	☐				A								

Test Legend:

1	LG_SUMMA_SOILGAS	2	PREDF REPORT	3	PRHELIUM SHROUD	4	PRUNUSEDSUMMA	5	5+GAS_Scan-SIM_SOIL(UG
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A 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.

1310829

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565-1701
www.main@mccampbell.com
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? ☐ No ■ Yes

Report To: Jeremy Smith	Bill To: PO# WC084430
Company: AEI Consultants	
2500 Camino Diablo, Walnut Creek, California 94597	
E-Mail: jasmith@aeiconsultants.com	
Tele: (925) 746-6000	Fax: (925) 746-6099
Project #: 298931	Project Name: FSI
Project Location: 1630 Park St., Alameda, California	
Sampler Signature:	

Lab Use Only

Pressurized By	Date	Pressurization Gas	
		N2	He

Notes: Helium leak check

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
SV-3	10-24-13	1141	6166	316T-994	TPH(g)/VOCs by TO-15, Fix Gas ASTM1946		X	-27	-4		
SV-4		1203	6306	316-728			X	-30	-5		
SV-6		1119	6168	316-718			X	-30	-5		
SV-7		1028	6169	316-667			X	-29.5	-5		
SV-8		906	6174	316-T994			X	-28	-5		
SV-9		1013	7531	316-771			X	-30	-5		
SV-12		1112	6203	316-1222			X	-29.5	-1		
SV-13		135	7519	316-1216			X	-30	-5		
SV-14		1419	05809	316-1217			X	-30	-5		
SV-15		1328	6307	316-1218			X	-30	-5		
SV-17-Dup		135	6412	316-T216			X	-30	-5		

Relinquished By:	Date:	Time:	Received By:
	10/24	340	
Relinquished By:	Date:	Time:	Received By:
	10/24	1620	

Temp (°C) : _____ Work Order #: _____

Condition: _____

Custody Seals Intact?: Yes _____ No _____ None _____

Shipped Via: _____

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: **10/24/2013 8:18:47 PM**

Project Name: **#298931; FSI**
LogIn Reviewed by: Jena Alfaro

WorkOrder N°: **1310829** Matrix: Soil Gas
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 ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

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

Comments: