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SUBJECT: Perjury Statement

To Whom It May Concern:

I declare, under penalty of perjury, that the information and/or recommendations contained in the requested attached reports in your letter dated August 8, 2011 are true and correct to the best of my knowledge.

Signed: Jane Anne Allen

JANE A. ALLEN

March 31, 2010

GROUNDWATER MONITORING REPORT
First Quarter 2010

325 Martin Luther King Jr. Way
Oakland, California

Project No. 277915

Prepared For

Jane and Kimball Allen
2 Lone Tree Avenue
Mill Valley, CA 94941

Prepared By

AEI Consultants
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AEI

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March 31, 2010

Jane and Kimball Allen
2 Lone Tree Avenue
Mill Valley, California 94941

Subject: **Quarterly Groundwater Monitoring Report**
First Quarter 2010
325 Martin Luther King Jr. Way
Oakland, California
AEI Project No. 270308

Dear Mr. and Mrs. Allen:

AEI Consultants (AEI) has prepared this report on behalf of Jane and Kimball Allen to document the ongoing groundwater investigation at the above referenced site (Figure 1, Site Location Map). The groundwater investigation is being performed in accordance with the requirements of the Alameda County Environmental Health (ACEH). The purpose of these activities is to monitor groundwater quality in the vicinity of the identified release of fuel products at the site. This report presents the findings of the third Quarter 2009 episode of groundwater monitoring and sampling conducted on March 16, 2010 at the site and includes progress monitoring of the H^2O^2 infusion pilot test.

I Background

The subject property is located on the western corner of the intersection of Martin Luther King Jr. Way and 4th Street in a mixed commercial and industrial area of Oakland. The property measures approximately 100 feet along Martin Luther King and approximately 150 feet along 4th Street with the property building covering essentially 100% of the land area. The northwestern portion of the building along 4th Street has also had the address 671 4th Street. The building is currently vacant, but was previously occupied by Pucci Enterprises as warehouse space and cold storage freezers.

A Phase I Environmental Site Assessment (ESA) of the property dated November 1, 1993 identified a 10,000-gallon former fuel UST that currently exists below the north side of the building. The fuel UST was used to provide fuel for the Pucci Enterprises truck fleet.

On October 20, 1993, the tank decommissioned by steam cleaning the tank, pumping remaining sludge out of the tank, and filling the tank with concrete slurry. At the time of the UST closure, the eastern section of the building had not yet been built. The tank could not be removed because of its proximity to the footing of the 671 4th Street

building. After tank closure, the eastern portion of the building (325 Martin Luther King) was constructed. Although records show that the UST was abandoned following proper procedures applicable at that time, no documentation was available of sampling around the tank prior to abandonment.

A number of site investigations were performed by several environmental consultants during 2005 and 2006.

In May 2005, AEI performed a Phase II Subsurface Investigation. Soil borings SB-1 and SB-3 encountered refusal at 4 feet bgs, possibly the top of the concrete filled UST. Soil borings SB-2 and SB-4 were advanced into the groundwater. Total petroleum hydrocarbons as gasoline (TPH-g), as diesel (TPH-d), and benzene were reported in groundwater from boring SB-2 at concentrations up to 780 micrograms per liter (µg/L), 420 µg/L, and 53 µg/L, respectively.

In September 2005, an additional investigation was performed by Terra Firma. Groundwater samples were collected from four (4) soil borings (labeled 50901-1 to 50901-4). Analysis of groundwater reported the highest concentrations of from the two borings to the south of the UST, where TPH-g, TPH-d, and benzene were reported in boring 50901-3 at concentrations of 20,000 µg/l, 3600 µg/l, and 990 µg/l, respectively.

In June 2006, Ceres Associated performed another subsurface investigation. The project included the analyses of soil and groundwater from five soil borings (SB-5 thru SB-9). The highest concentrations of hydrocarbons were reported in boring SB-7, located southeast of the UST. Maximum concentrations of TPH-g, TPH-d, and benzene were reported in sample SB-7-10 at concentrations of 20,000 mg/kg, 3,300 mg/kg, 200 mg/kg, respectively. Analysis of groundwater samples from SB-7 reported TPH-g, TPH-d, and benzene at concentrations of 110,000 µg/l, 110,000 µg/l, and 3,300 µg/l, respectively.

LRM Consulting prepared release notification documentation and a workplan for the ACEH in August 2006. The workplan included additional file and data base research into possible additional source locations (dispenser, piping, offsite releases, etc) and installing three (3) 2-inch diameter monitoring wells a screened interval of 5 to 20 feet bgs.

Following ACEH comments relating to the work plan and previous investigations, AEI was retained to prepare a comprehensive workplan. The *Site Characterization Workplan*, dated March 31, 2007, outlined the scope of work for installation of 12 additional soil borings and three groundwater monitoring wells to further characterize the release.

In May of 2007, AEI performed a soil and groundwater investigation which included of drilling additional twelve (12) soil borings at the property. Low to moderate concentrations of petroleum hydrocarbons were detected in the soil adjacent to the abandoned UST and in groundwater. Contaminant distributions in groundwater indicate

that the release of hydrocarbons is limited to the 325 Martin Luther King Jr. Way unit. On August 10, 2007, AEI installed three (3) groundwater monitoring wells (MW-1 thru MW-3) down gradient of the abandoned in place UST. Significant concentrations of petroleum hydrocarbons were reported in well MW-3, which is located immediately down gradient of abandoned UST. A site map and well construction details are contained in AEI's *Monitoring Well Installation Report,* dated September 21, 2008.

A *Corrective Action Pilot Test Workplan*, dated April 7, 2008, for a pilot-scale evaluation of in-situ chemical oxidation as a potential method of remediating the site was prepared fro the ACEH. The workplan proposed five injection points in the immediate area of source well MW-3, targeting the saturated zone as well as the lower vadose zone using the product RegenOx™ manufactured by Regenesis, Inc. The workplan was approved by the ACEH in a letter dated May 13, 2008. On July 17 and 18, 2008, 720 lbs of RegenOx™ was injected in five locations (IP-1 through IP-5) at spacing approximately five feet away from well MW-3.

Following the pilot test, groundwater samples collected on August 4, 2008 from well MW-3 reported an increase in TPH-g from pre-pilot concentration of 20,000 µg/L to 110,000 µg/L. Follow up sampling on August 20, 2008 reported TPH-g at a concentration of 120,000 µg/L. At the time of the present monitoring event TPG-g in well MW-3 was reported at a concentration of 83,000 µg/L. This increase is believed to be due to the release of hydrocarbons previously bound to clay and sand particles in the smear zone and below the top the groundwater.

The marked increase in dissolved hydrocarbons concentrations appears to be the result of hydrocarbons bonded to sediments in the capillary fringe saturated zone that were desorbed from the soil as a result of treatment with RegenOx™. This data and review of past soil analytical indicate that the residual source area around the abandoned in place UST is significantly greater than had been anticipated and that several rounds of injection would be required to remediate the site. Based on the relative high cost of multiple direct push infusions using RegenOx™, installation of permanent injection points and alternate remedial approaches were evaluated. Following evaluation of the pilot test data, AEI selected H_2O_2 infusion through permanently installed wells as a lower cost approach to remediation. A *Hydrogen Peroxide Infusion Pilot Test Workplan*, dated August 12, 2009, was completed for the site and approved in a letter from the ACEH dated August 21, 2009.

II Summary of Activities since 3rd Quarter 2009 Monitoring Event.

On October 10, 2009, AEI installed three (3) 2-inch diameter injection/infusion wells, IW-1 located at the north end of the abandoned UST, IW-2 located on the west side of the abandoned UST, and IW-3 located at the south end of the abandoned UST.

On October 30, 2009, AEI performed an injection/infusion test using clear water to determine the rate of fluid acceptance. Fluid acceptance ranged from 1.0 (IW-2) to 5.0 (IW-3) gallons per minute at 5.0 psi and 0.5 to 3 gallons per minute at 0.0 psi.

On November 5, 2009, AEI performed fluid acceptance test using 2.0 %, 1.0 % and 0.5 % H^2O^2 solution. Significant back pressure due to bubble block occurred at concentrations of 1.0% and 2.0 % H^2O^2 solution. Fluid acceptance of 0.5% H^2O^2 ranged from 0.5 – 2.5 gallons per minute.

Between December 29, 2009, and January 29, 2009, 8,000 gallons of 0.5% H^2O^2 was infused in injection wells IW-1 through IW-3. Initial infusion total rate was 2 gallons per minute. The infusion rate decreased to approximately 0.125 gallons per minute as the infusion progressed and oxygen levels increased to above saturation and bubbles created back pressure which impeded the movement of H^2O^2 through the fine grained sand.

II Summary of Groundwater Sampling Activities

On October 30, 2009, following installation of wells IW-1 through IW-3 and prior to the infusion testing, infusion wells IW-1 through IW-3 and monitoring well MW-3 were sampled. The well caps were removed from well MW-3 and IW-1 through IW-3. The wells were allowed to equilibrate with the atmosphere for a minimum of 15 minutes. The depth from the top of the well casing to static groundwater was measured with an electric water level indicator to ± 0.01 ft. A peristaltic pump, with a drop tube set at a depth of 10 feet bgs, was used to purge all wells on site. During purging, groundwater parameters of temperature, pH, specific conductivity, dissolved oxygen (DO), and oxidation- reduction potential (ORP) were measured during purging. A visual evaluation of turbidity was made and noted. Groundwater measurements recorded in the field are reported on the field sampling forms included in Appendix A. The depth to water measurements from this and previous quarterly monitoring events are summarized on Tables 3 and 3a.

When groundwater parameters of the purged water stabilized, water samples were collected using the peristaltic pump. Samples for TPH-g, MBTEX, and fuel oxygenates were collected in hydrochloric acid (HCl) preserved 40-milliliter (ml) volatile organic analysis vials (VOAs). All samples were labeled with at minimum, project number, sample number, time, date, and sampler's name.

The samples were then entered on an appropriate chain-of-custody form and placed on water ice in a cooler pending same day transportation under chain of custody protocols to McCampbell Analytical, Inc. of Pittsburg, California (Department of Health Services Certification # 1644).

The samples were analyzed for TPH-g; methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA methods 8021B/8015Cm; TPH-d by EPA method 8015C; and MTBE, 1,2-Dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B.

On November 5, 2009, prior to H^2O^2 infusion testing, well IW-3 was sampled following purging 3 liters of water with a peristaltic pump as described above. Well IW-3 was re-sampled on November 23, 2009. These samples were analyzed for TPH-g and MBTEX by EPA Method 8021B/8015Cm.

On February 8 and 23, 2010 following the infusion of 8,000 gallons of 0.5% H^2O^2 solution wells MW-3, IW-2, and IW-3 were sampled as described above to determine the effects of the h2o2 infusion. These samples were analyzed for TPH-g and MBTEX by EPA Method 8021B/8015Cm.

On March 16, 2010, prior to initiating AEI conducted the regularly scheduled groundwater-monitoring event at the site. The well caps were removed from each well (MW-1 through MW-3 and IW-1 through IW-3). The wells were allowed to equilibrate with the atmosphere for a minimum of 15 minutes, then the wells were purge and sampled as described above.

Three (3) samples were analyzed for TPH-g; methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA methods 8021B/8015Cm; TPH-d by EPA method 8015C; and 5 fuel oxygenates and lead scavengers by EPA Method 8260B.

III Field Results

Groundwater elevations for the First Quarter 2010 groundwater monitoring event ranged from 7.07 (MW-1) to 7.55 (IW-2) feet above mean sea level (amsl). Based on these measurements, groundwater flows in a southwesterly direction at a gradient of approximately 0.007 ft/ft. The flow direction and hydraulic gradient are consistent with previous monitoring events.

Groundwater elevation data, flow direction, and hydraulic gradient are summarized in Table 2: Groundwater Elevation Data. The water table elevations and the estimated groundwater flow direction are presented on Figures 3: Water Table Elevations. Please refer to Appendix A for the Groundwater Monitoring Well Field Sampling Forms, which include water quality data and other parameters collected during well purging.

IV Groundwater Quality

October 30, 2009
TPH-g and BTEX in MW-3 were essentially unchanged from the Third Quarter 2009 at concentrations of at 59,000 µg/L, 10,000 µg/L, 7,100 µg/L, 1,200 µg/L, and 3,900 µg/L, respectively. EBD and 1,2-DCA were reported in well MW-3 at concentrations of 96 µg/L and 470 µg/L, respectively.

No hydrocarbons, MBTEX, EDB, or 1,2-DCA was reported in well IW-1 at standard laboratory reporting limits.

In well IW-2, TPH-g, and BTEX were reported at concentrations of 15,000 µg/L, 1,100 µg/L, 2,100 µg/L, 630 µg/L, and 2,400 µg/L, respectively. EBD and 1,2-DCA were reported in well IW-2 at concentrations of 13 µg/L and 51 µg/L, respectively.

In well IW-3, TPH-g, and BTEX were reported at concentrations of 61,000 µg/L, 10,000 µg/L, 14,000 µg/L, 1,400 µg/L, and 9,800 µg/L, respectively. EBD and 1,2-DCA were reported in well IW-3 at concentrations of 220 µg/L and 480 µg/L, respectively.

November 5 and 23, 2009

On November 5, 2009, TPH-g, and BTEX were reported in IW-3 at concentrations of 64,000 µg/L, 4,000 µg/L, 7,500 µg/L, 1,100 µg/L, and 7,400 µg/L, respectively. On November 23, 2009, following the preliminary infusion tests, well IW-3 was sampled. TPH-g and BTEX concentration increased to 77,000 µg/L. BTEX was reported at concentrations of 6,700 µg/L, 11,000 µg/L, 430 µg/L, and 11,000 µg/L, respectively.

February 8, 2010

On February 8, 2010, following infusion of 8,000 gallons of hydrogen peroxide, TPH-g and BTEX in MW-3 decreased significantly to concentrations to 13,000 µg/L, 840 µg/L, 1,500 µg/L, 120 µg/L, and 1,700 µg/L, respectively. EBD and 1,2-DCA were reported in well MW-3 at concentrations of 42 µg/L and 42 µg/L, respectively.

In well IW-2 TPH-g and BTEX decreased significantly to concentrations to 630 µg/L, 4.4 µg/L, 17 µg/L, 3.7 µg/L, and 78 µg/L, respectively. EBD and 1,2-DCA were reported in well IW-2 at concentrations of 5.1 µg/L and 3.9 µg/L, respectively.

In well IW-3 TPH-g and BTEX were reported at concentrations of 18,000 µg/L, 790 µg/L, 910 µg/L, 38 µg/L, and 2,600 µg/L, respectively. EBD and 1,2-DCA were reported in well IW-3 at concentrations of 94 µg/L and 82 µg/L, respectively.

February 24, 2010

On February 24, 2010, TPH-g and BTEX in MW-3 rebounded to 16,000 µg/L, 1,200 µg/L, 1,700 µg/L, 200 µg/L, and 1,900 µg/L, respectively.
In well IW-2, TPH-g and BTEX rebounded to 3,500 µg/L, 22 µg/L, 220 µg/L, 57 µg/L, and 590 µg/L, respectively.

In well IW-3, TPH-g and BTEX were reported at concentrations of 36,000 µg/L, 2,400 µg/L, 4,300 µg/L, 320 µg/L, and 460 µg/L, respectively.

March 16, 2010

No TPH-g or BTEX was reported in wells MW-1, MW-2, or IW-1 at standard laboratory reporting limits

TPH-g in MW-3 rebounded to slightly over 50% of the pre-infusion level to a concentration of to 34,000 µg/L. BTEX concentrations increased significantly, but remained well below pre-infusion levels, at 3,000 µg/L, 4,100 µg/L, 580 µg/L, and 4,100 µg/L, respectively. Xylenes increased to approximately the same as pre-infusion levels. EBD remained essentially constant at 110 µg/L while 1,2-DCA decreased significantly to 130 µg/L. TBA was reported at 430 µg/L.

In well IW-2 TPH-g, and xylenes increased relative to pre-infusion levels to 20,000 µg/L and 4,000 µg/L, respectively. Toluene rebounded to its pre-infusion concentration, while benzene and xylenes rebounded to levels of 320 µg/L, and 4,000 µg/L, respectively. EBD and 1,2-DCA were reported in well IW-2 at concentrations of 20µg/L and 15 µg/L, respectively. TBA was reported at 70 µg/L.

In well IW-3, TPH-g and BTEX were reported at concentrations of 44,000 µg/L, 3,200 µg/L, 6,000 µg/L, 650 µg/L, and 5,400 µg/L, respectively. EBD and 1,2-DCA were reported in well MW-3 at concentrations of 230 µg/L and 220 µg/L, respectively. TBA was reported at 120 µg/L.

V Summary

This report documents the findings of the First Quarter 2010 groundwater monitoring event and infusion progress monitoring at the site. Overall hydrocarbon concentrations at the site have decreased following the first phase of hydrogen peroxide infusion, as shown on Figure 5: MW-5 Hydrocarbons vs. Time.

Preliminary infusion tests indicated that IW-2 has significantly less permeability that wells IW-1 and IW-3. As a consequence significantly less hydrogen peroxide was infused into IW-2. The increase in hydrocarbon concentrations in IW-2 appears to be similar to that seen in MW-3 following the initial injections in 2008, where the injection of chemical oxidants resulted in desorption of hydrocarbons from soil particles which resulted in significantly increased concentrations of dissolved hydrocarbons. It is expected that additional infusions will liberate additional adsorbed material into dissolved-phase, which will continue to be destroyed via hydrogen peroxide infusions.

VI Report Limitations

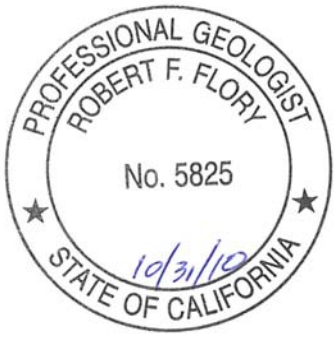
This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact either of the undersigned at (925) 746-6000.

Sincerely,
AEI Consultants

Adrian M. Angel
Project Geologist



Robert F. Flory, PG
Senior Geologist

Figures

Tables

Previous Documentation

AEI Consultants, *Phase II Subsurface Investigation Report*, May 18, 2005

AEI Consultants, *Site Characterization Workplan*, March 8, 2007

AEI Consultants, *Soil and Groundwater Investigation Report*, September 21, 2007

AEI Consultants, *Corrective Action Pilot Test Workplan*, April 7, 2008

AEI Consultants, Hydrogen Peroxide Infusion Pilot Test Workplan, August 12, 2009

Ceres Associates, *Soil and Groundwater Investigation Report*, June 8, 2006

Helley, E.J., et al, *Quaternary Geology of Alameda County and Surrounding Areas, California*, 1997

LRM Consulting, Inc., *Notice of Unauthorized Release* and *Supplemental Investigation Workplan*, August 29, 2006

Norfleet Consultants, *Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, CA*, June 19, 1998

Terra Firma, *Findings of Environmental Subsurface Investigation*, September 16, 2005

Touchstone Developments, *Phase I Investigation*, November 1, 1993

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Attn: Mr. Jerry Wickham
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

GeoTracker (electronic)

FIGURES

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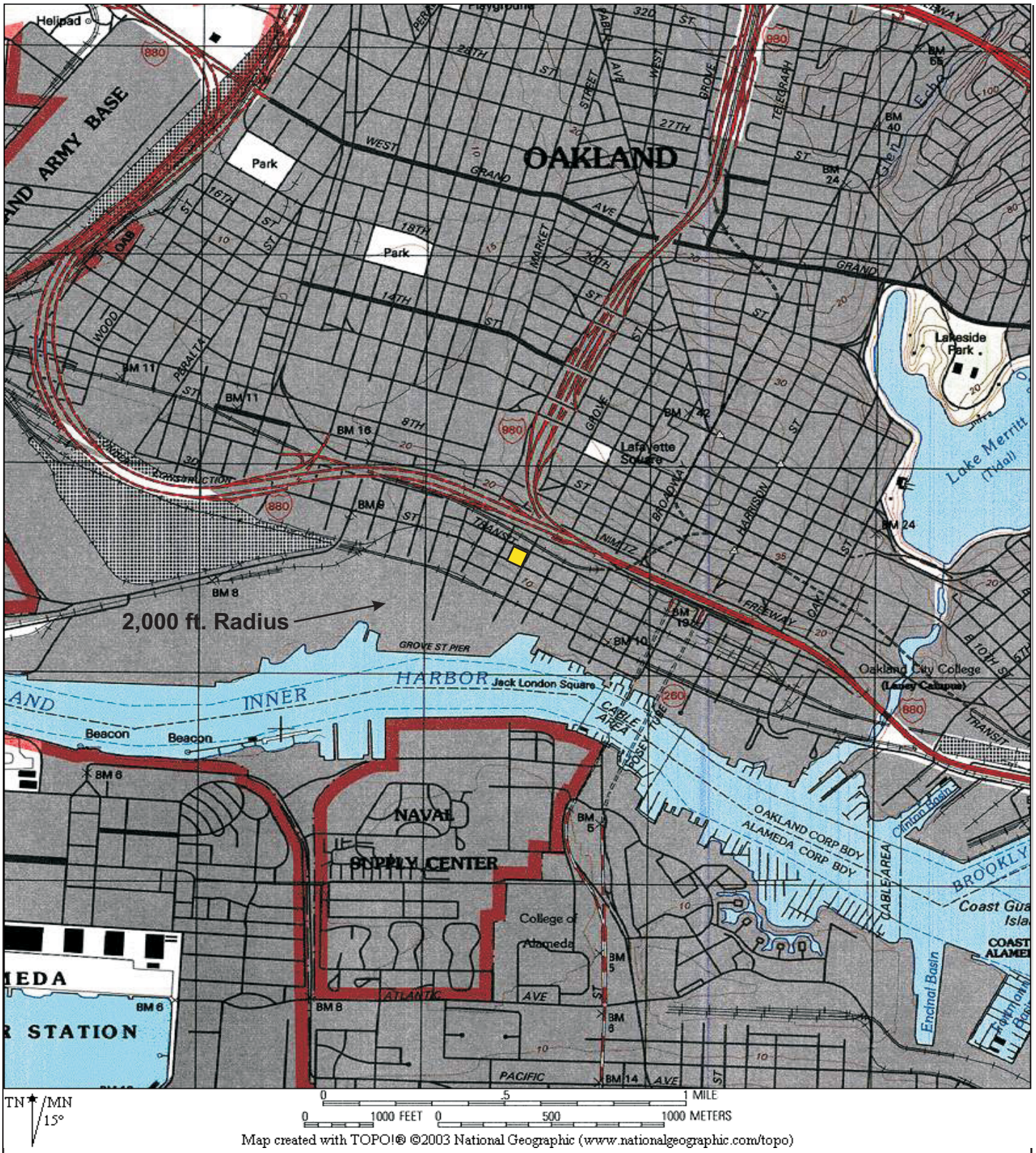

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

LEGEND

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SITE LOCATION

AEI CONSULTANTS
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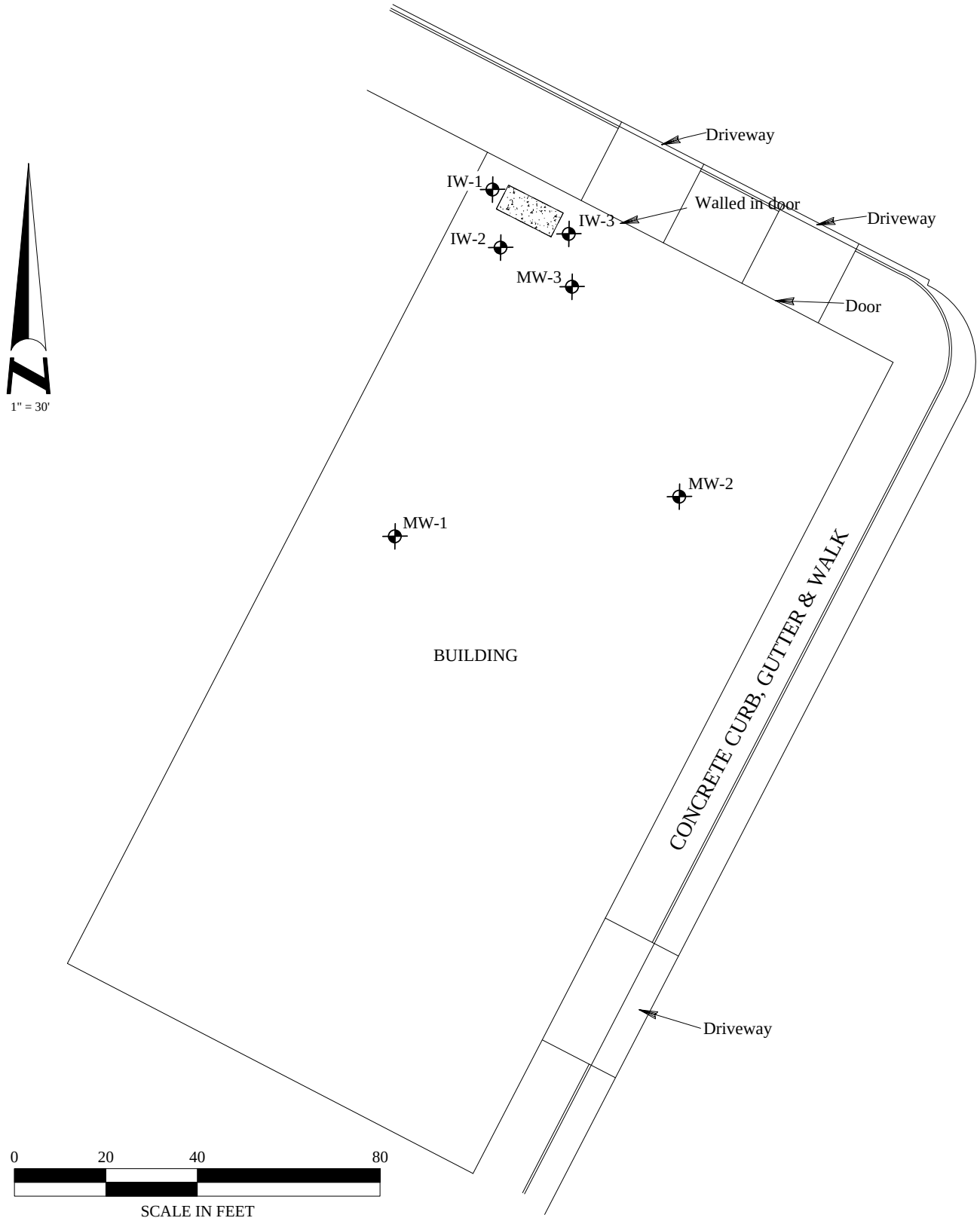
Well Survey

325 Martin Luther King Jr. Way
Oakland, CA 94607

FIGURE 1
Job No: 270308



2" Monitoring / Infusion Well

Abandoned in place UST

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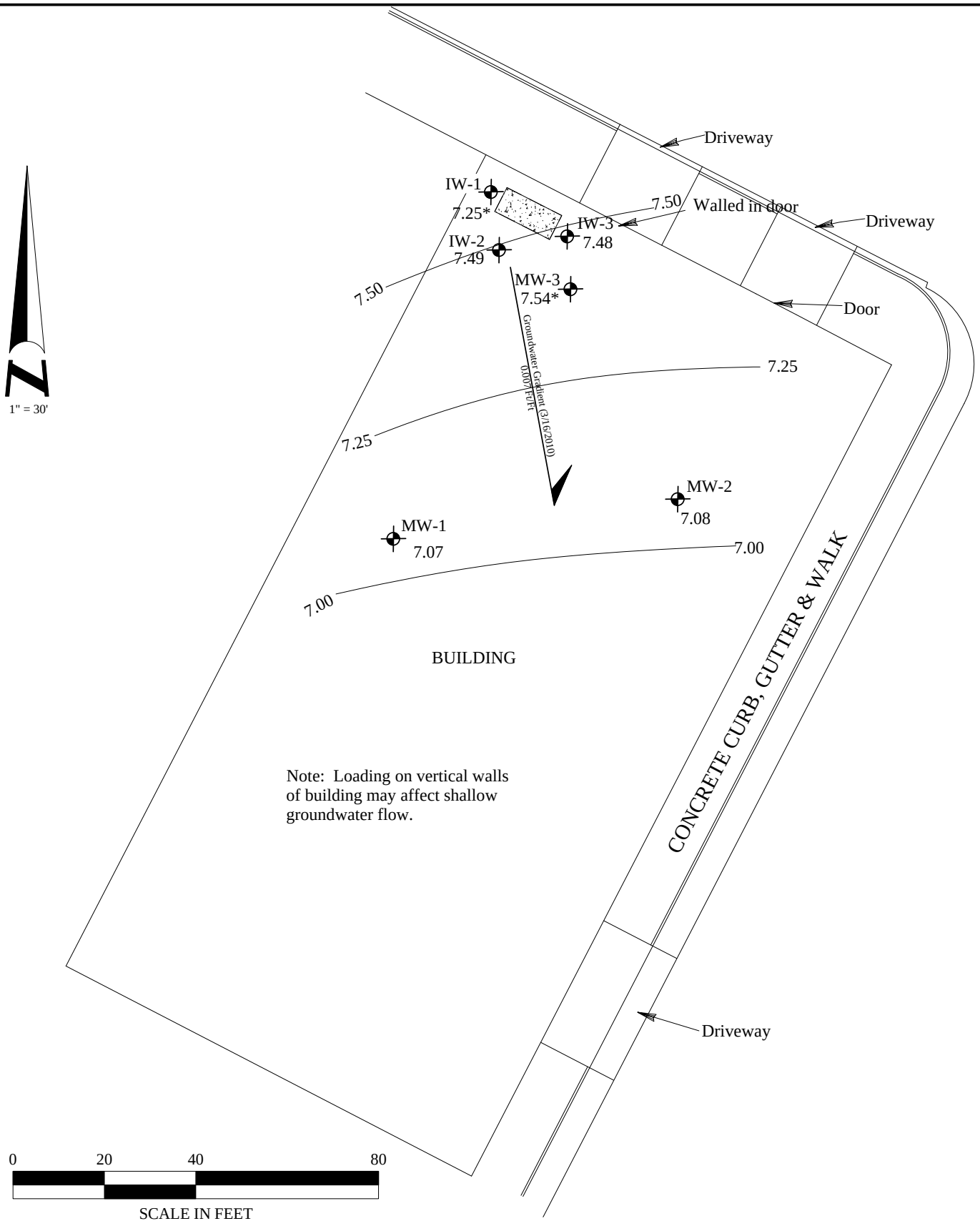
2500 Camino Diablo, Walnut Creek, CA

Site Plan

325 Martin Luther king Jr. Way
Oakland, California

FIGURE 2
AEI Project # 277915



MW-3 7.48 — 2" Monitoring / Infusion Well

7.54* — Elevation not used for contouring

Abandoned in place UST

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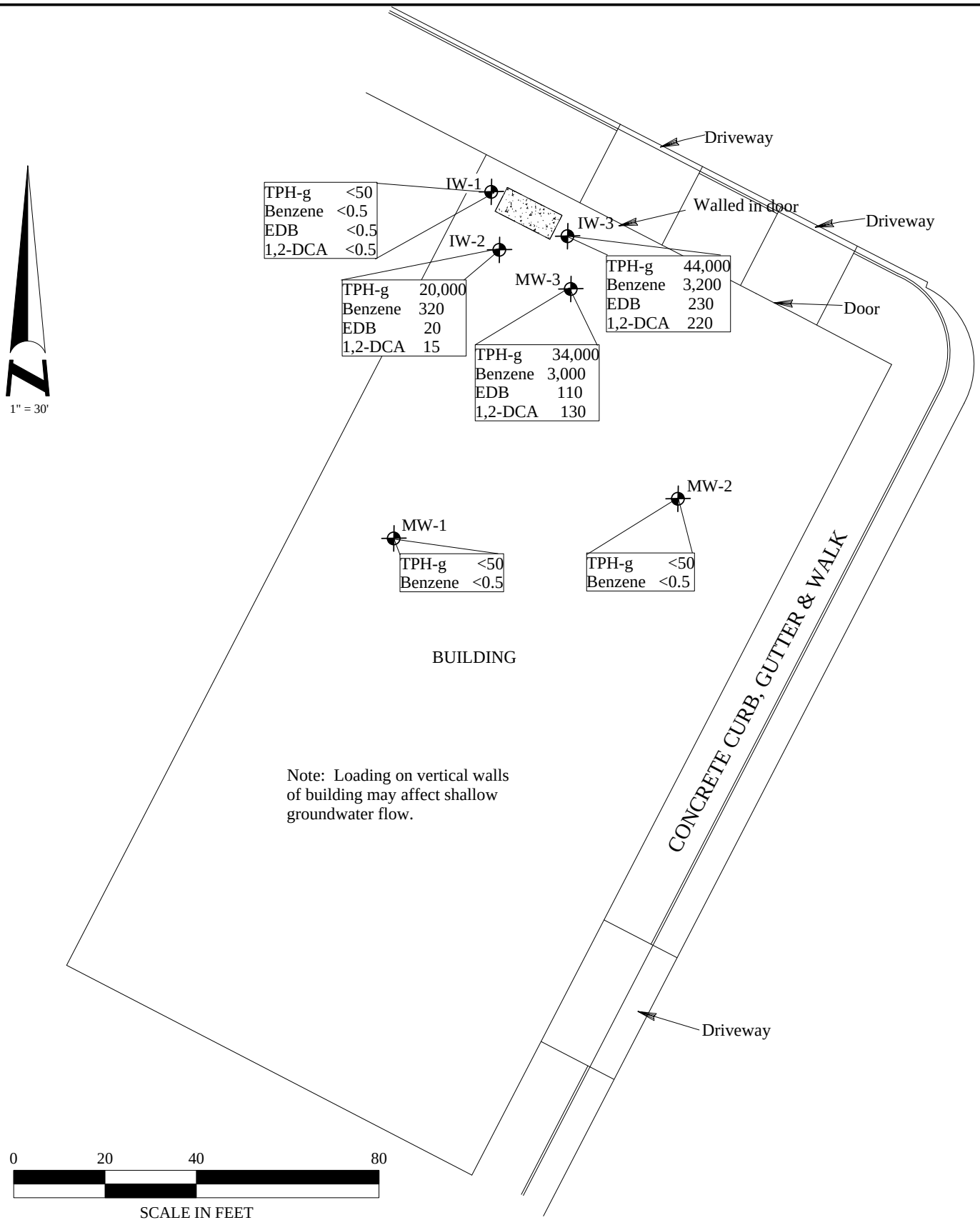
2500 Camino Diablo, Walnut Creek, CA

Groundwater Gradient (3/16/2010)

325 Martin Luther king Jr. Way
Oakland, California

FIGURE 3
AEI Project # 277915



MW-3 2" Monitoring / Infusion Well

TPH-g TPH as gasoline
Benzene Benzene
EDB 1,2-dibromoethane
1,2-DCA 1,2-dichloroethane
all units micrograms per liter

Abandoned in place UST

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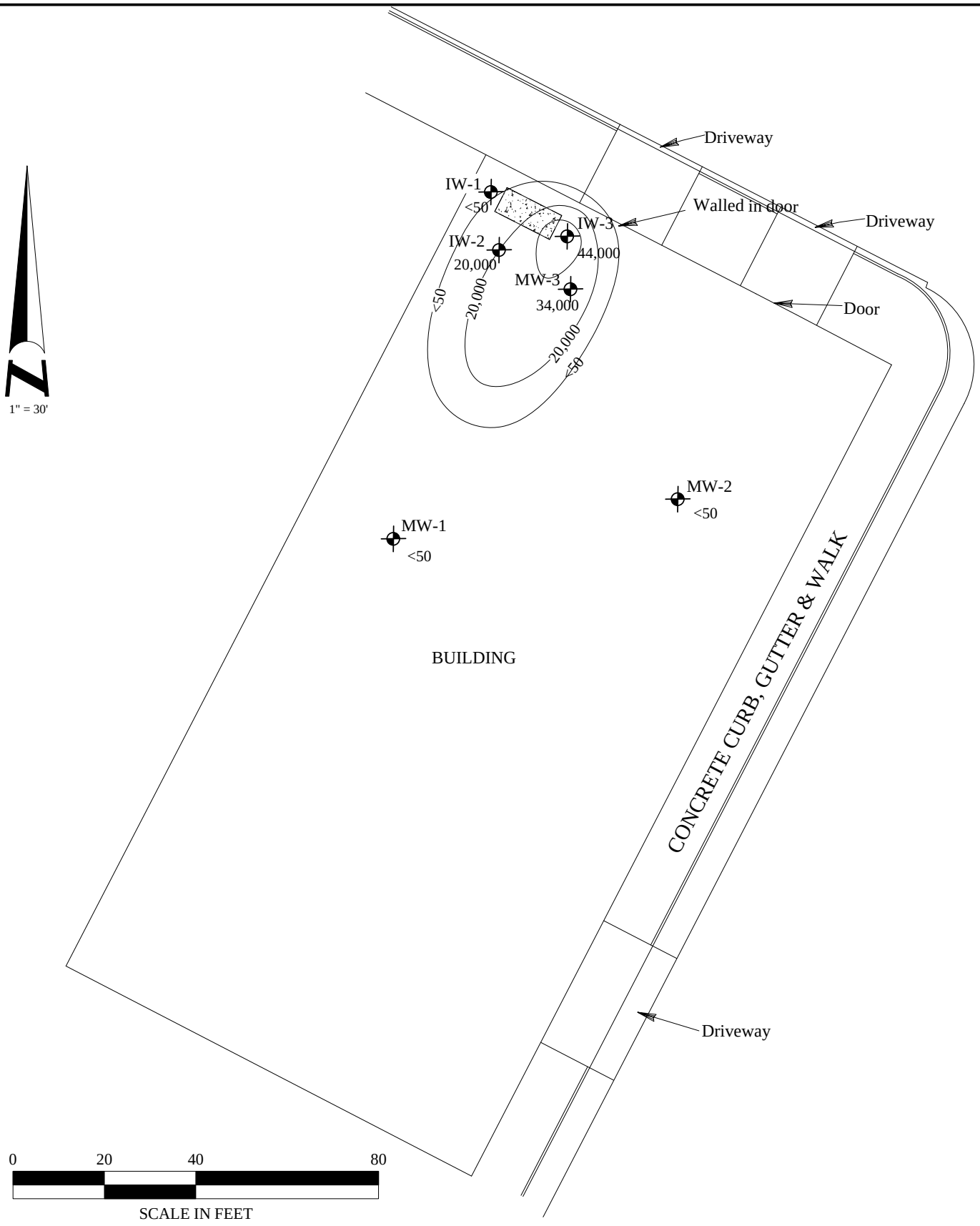
2500 Camino Diablo, Walnut Creek, CA

Groundwater Analytical Data (3/16/2010)

325 Martin Luther king Jr. Way
Oakland, California

FIGURE 4
AEI Project # 277915



MW-3
44,000
2" Monitoring / Infusion Well

Abandoned in place UST

AEI CONSULTANTS

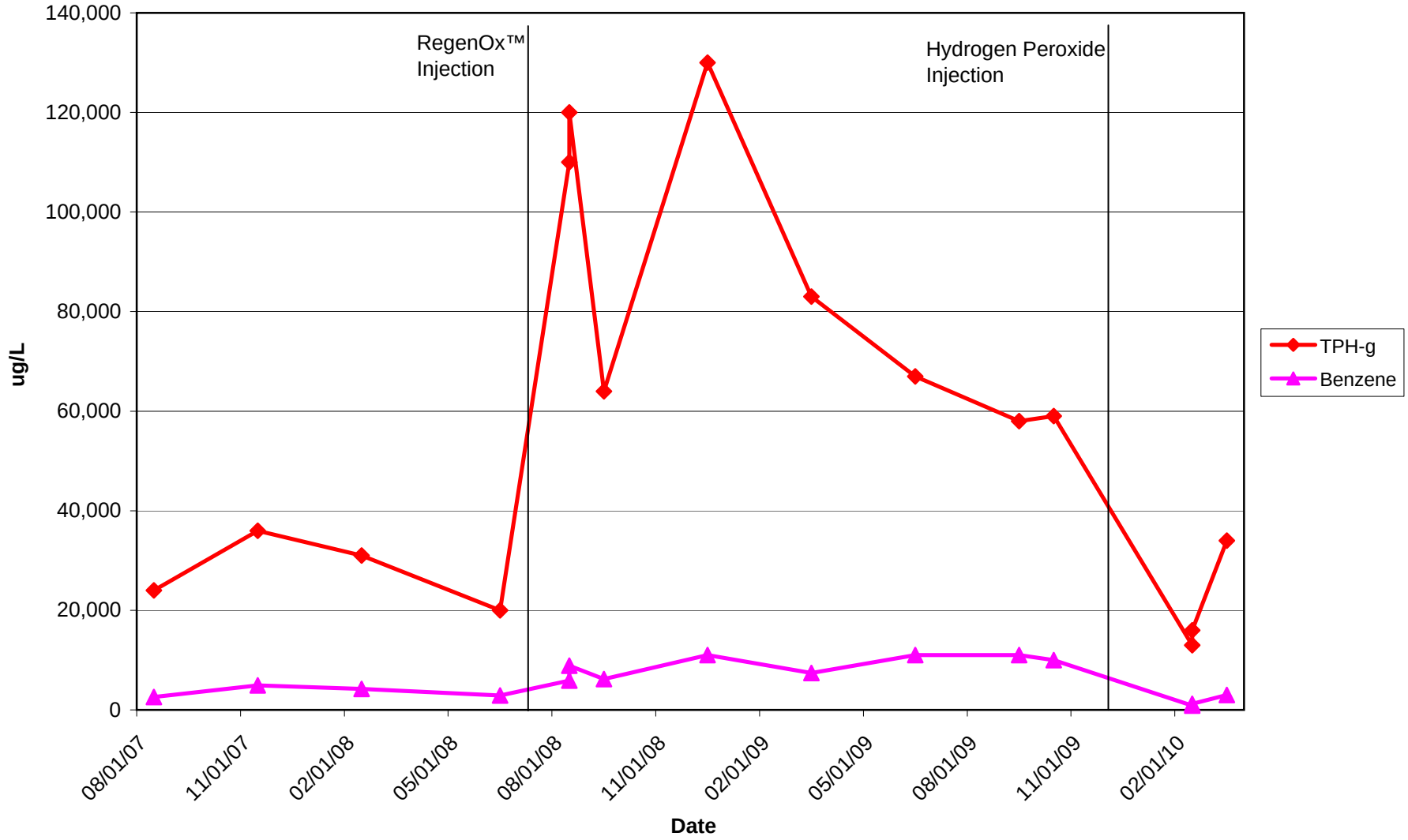
2500 Camino Diablo, Walnut Creek, CA

TPH-g Concentrations (3/16/2010)

325 Martin Luther king Jr. Way
Oakland, California

FIGURE 5
AEI Project # 277915

Figure 6 - MW-3 Hydrocarbons vs Time



TABLES

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Table 1 - Monitoring Well Construction Details
AEI Project # 277915

Well ID	Date Installed	Top of Casing Elevation (ft amsl)	Well Depth (ft)	Slotted Casing (ft)	Slot Size (in)	Sand Interval (ft)	Sand Size	Bentonite Interval (ft)	Grout Interval (ft)
MW-1	08/10/07	14.87*	18	8 - 18	0.010	7 - 18	# 2/12	7 - 8	0.75 - 7
MW-2	08/10/07	15.27	17	7 - 17	0.010	6 - 17	# 2/12	6 - 7	0.75 - 6
MW-3	08/10/07	15.11*	18	8 - 18	0.010	7 - 18	# 2/12	7 - 8	0.75 - 7
IW-1	10/13/09	15.23	15	5 - 15	0.010	4 - 15	# 2/12	3 - 4	.75 - 3
IW-2	10/13/09	15.06	15	5 - 15	0.010	4 - 15	# 2/12	3 - 4	.75 - 3
IW-3	10/13/09	15.3	15	5 - 15	0.010	4 - 15	# 2/12	3 - 4	.75 - 3

Notes:
ft amsl = feet above mean sea level
15.11* = resurveyed elevations

Table 2 - Groundwater Elevation Data

AEI Project # 277915

Well ID (Screen Interval)	Date Collected	Well Elevation *(ft amsl)*	Depth to Water *(ft)*	Groundwater Elevation *(ft amsl)*	Elevation Change *(ft)*
MW-1	8/21/2007	14.92	8.38	6.54	----
(8 - 18)	11/21/2007	14.92	8.37	6.55	0.01
	2/26/2008	14.92	7.98	6.94	0.39
	6/18/2008	14.92	8.41	6.51	-0.43
	9/19/2008	14.92	8.56	6.36	-0.15
	12/29/2008	14.92	8.66	6.26	-0.10
	3/17/2009	14.92	7.84	7.08	0.82
	6/15/2009	14.92	8.31	6.61	-0.47
	9/18/2009	14.92	8.59	6.33	-0.28
	3/16/2010*	**14.87**	**7.80**	**7.07**	**----**
MW-2	8/21/2007	15.27	8.78	6.49	----
(7 - 17)	11/21/2007	15.27	8.72	6.55	0.06
	2/26/2008	15.27	8.37	6.90	0.35
	6/18/2008	15.27	8.82	6.45	-0.45
	9/19/2008	15.27	8.92	6.35	-0.10
	12/29/2008	15.27	8.87	6.40	0.05
	3/17/2009	15.27	8.27	7.00	0.60
	6/15/2009	15.27	8.71	6.56	-0.44
	9/18/2009	15.27	8.98	6.29	-0.27
	3/16/2010	**15.27**	**8.19**	**7.08**	**0.79**
MW-3	8/21/2007	15.26	8.59	6.67	----
(8 - 18)	11/21/2007	15.26	8.55	6.71	0.04
	2/26/2008	15.26	8.11	7.15	0.44
	6/18/2008	15.26	8.62	6.64	-0.51
	8/4/2008	15.26	8.65	6.61	-0.03
	8/20/2008	15.26	8.68	6.58	-0.03
	9/19/2008	15.26	8.74	6.52	-0.06
	12/29/2008	15.26	8.67	6.59	0.07
	3/17/2009	15.26	7.96	7.30	0.71
	6/15/2009	15.26	8.47	6.79	-0.51
	9/18/2009	15.26	8.78	6.48	-0.31
	10/30/2009	15.26	8.62	6.64	-0.15
	3/16/2010	**15.11**	**7.57**	7.54	**----**
IW-1	10/30/2009	15.23	8.53	6.70	**----**
	3/16/2010	**15.23**	**7.68**	**7.55**	**0.85**
IW-2	10/30/2009	15.06	8.37	6.69	----
	3/16/2010	**15.06**	**7.57**	**7.49**	**0.80**
IW-3	10/30/2009	15.30	8.68	6.62	----
	3/16/2010	**15.30**	**7.82**	**7.48**	**0.86**

Event #	Date	Average Water Table Elevation (ft amsl)	Change from Previous Episode (ft)	Flow Direction (gradient) (ft/ft)
1	8/21/2007	6.57	NA	S (0.003)
2	11/21/2007	6.60	0.04	S (0.005)
3	2/26/2008	7.00	0.39	S (0.005)
4	6/18/2008	6.53	-0.46	SSE (0.004)
5	9/19/2008	6.41	-0.12	S (0.003)
6	12/29/2008	6.42	0.01	SSW (0.005)
7	3/17/2009	7.13	0.71	SW (0.006)
8	6/15/2009	6.65	-0.47	SW 0.004)
9	9/18/2009	6.37	-0.29	SW (0.006)
10**	**3/16/2010**	7.24	----	SW (0.006)

ft amsl = feet above mean sea level
All water level depths are measured from the top of casing
** Average calculated for all wells with 2/9/10 re-survey elevations

Table 3 - Groundwater Analytical Data
AEI Project # 277915

Sample ID	Date	Depth to Water	TPHg	TPHd	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes
			Method 8015		Method 8021B				
			µg/L						
MW-1	8/21/2007	8.38	<50	<50	15	<0.5	<0.5	<0.5	<0.5
	11/21/2007	8.37	<50	<50	12	<0.5	<0.5	<0.5	<0.5
	2/26/2008	7.98	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/18/2008	8.41	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	9/19/2008	8.56	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	12/29/2008	8.66	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	3/17/2009	7.84	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/15/2009	8.31	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	9/18/2009	8.59	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	3/16/2010	**7.80**	**<50**	-	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-2	8/21/2007	8.78	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/21/2007	8.72	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	2/26/2008	8.37	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/18/2008	53.00	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	9/19/2008	8.92	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	12/29/2008	8.87	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	3/17/2009	8.27	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/15/2009	8.71	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	9/18/2009	8.98	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	3/16/2010	**8.19**	**<50**	-	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-3	8/21/2007	8.59	24,000	2,100	<180	2,600	3,500	450	2,400
	11/21/2007	8.55	36,000	3,800	<500	4,900	1,200	230	2,700
	2/26/2008	8.11	31,000	5,400	-	4,200	1,900	590	2,200
	6/18/2008	8.62	20,000	3,000	-	2,900	1,100	390	990
	8/4/2008	8.65	110,000	27,000	-	5,900	9,000	76	8,100
	8/20/2008	8.68	120,000	6,500	-	8,900	18,000	930	12,000
	9/19/2008	8.74	64,000	4,500	-	6,200	9,200	660	6,600
	12/29/2008	8.67	130,000	7,900	-	11,000	19,000	1,800	11,000

Table 3 - Groundwater Analytical Data
AEI Project # 277915

Sample ID	Date	Depth to Water	TPHg	TPHd	MTBE	Benzene	Toluene	Ethyl benzene	Xylenes	
			Method 8015		Method 8021B					
			µg/L							
MW-3 continued	3/17/2009	7.96	83,000	8,000	-	7,400	10,000	1,100	8,500	
	6/15/2009	8.47	67,000	21,000	-	11,000	9,100	1,200	6,80	
	9/18/2009	8.78	58,000	16,000	-	11,000	7,000	1,400	4,700	
	10/30/2009	6.64	59,000	-	-	10,000	7,100	1,200	3,900	
	2/8/2010	7.74	13,000	-	<50	840	1,500	120	1,700	
	2/24/2010	8.03	16,000	-	<50	1,200	1,700	200	1,900	
	3/16/2010	**7.75**	**34,000**	-	**<250**	**3,000**	**4,100**	**580**	**4,100**	
IW-1	10/30/2009	8.53	<50	-	**<5.0**	<0.5	<0.5	<0.5	<0.5	
	3/16/2010	**7.68**	**<50**	-	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
IW-2	10/30/2009	8.37	15,000	-	-	1,100	2,100	630	2,400	
	2/8/2010	7.70	630	-	<5.0	4.4	17	3.7	78	
	2/24/2010	-	3,500	-	<50	22	220	57.0	590	
	3/16/2010	**7.57**	**20,000**	-	**<100**	**320**	**2,100**	**450**	**4,000**	
IW-3	10/30/2009	8.68	61,000	-	<1,000	10,000	14,000	1,400	9,800	
	11/5/2009	8.60	64,000	-	<150	4,000	7,500	1,100	7,400	after 20 gallons 0.16%
	11/23/2009	-	77,000	-	<250	6,700	11,000	430	11,000	30 gallons 0.5%
	2/8/2010	7.74	18,000	-	<50	790	910	38	2,600	After 8,000 0.5%
	2/24/2010	8.50	36,000	-	<250	2,400	4,300	320	4,600	
	3/16/2010	**7.82**	**44,000**	-	**<500**	**3,200**	**6,000**	**650**	**5,400**	

Notes:
TPHg = total petroleum hydrocarbons as gasoline (C6-C12)
TPHd = total petroleum hydrocarbons as diesel (C10-C23)
Benzene, toluene, ethylbenzene, and xylenes using EPA Method 8021B
MTBE = methyl-tertiary butyl ether
µg/L= micrograms per liter
ND<50 = non detect at respective reporting limit

Table 4 - Groundwater Analytical Data - Fuel Additives
AEI Project # 277915

Sample ID	Date	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	DIPE µg/L	ETBE µg/L	MTBE µg/L
MW-1	8/21/2007	<0.5	<5.0	<0.5	5.2	<0.5	<0.5	18
	11/21/2007	-	-	-	-	-	-	-
	2/26/2008	-	-	<0.5	6.9	-	-	16
	6/18/2008	-	-	<0.5	5.4	-	-	15
	9/19/2008	-	-	<0.5	6.8	-	-	4.2
	12/29/2008	-	-	<0.5	6.8	-	-	0.62
	3/17/2009	-	-	<0.5	4.6	-	-	11
	6/15/2009	-	-	<0.5	5.8	-	-	8.1
	9/18/2009	-	-	<0.5	5.2	-	-	0.7
MW-2	8/21/2007	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	11/21/2007	-	-	-	-	-	-	-
	2/26/2008	-	-	<0.5	<0.5	-	-	<0.5
	6/18/2008	-	-	<0.5	<0.5	-	-	<0.5
	9/19/2008	-	-	<0.5	<0.5	-	-	<0.5
	12/29/2008	-	-	<0.5	<0.5	-	-	<0.5
	3/17/2009	-	-	<0.5	<0.5	-	-	<0.5
	6/15/2009	-	-	<0.5	<0.5	-	-	<0.5
	9/18/2009	-	-	<0.5	<0.5	-	-	<0.5
MW-3	8/21/2007	<5.0	<50	34	140	<5.0	<5.0	<5.0
	11/21/2007	-	-	-	-	-	-	-
	2/26/2008	-	-	31	220	-	-	<12
	6/18/2008	-	-	21	190	-	-	<5.0
	8/4/2008	-	-	220	410	-	-	<50
	8/20/2008	-	-	330	410	-	-	<50
	9/19/2008	-	-	160	320	-	-	<17
	12/29/2008	-	-	200	440	-	-	<50
	3/17/2009	-	-	98	370	-	-	<25
	6/15/2009	-	-	87	490	-	-	<50
	9/18/2009	-	-	110	500	-	-	<17
	10/30/2009	-	-	96	470	-	-	<50
	2/8/2010	-	-	42	42	-	-	-
	3/16/2010	**<25**	**430**	**110**	**130**	**<25**	**<25**	**<25**
IW-1	10/30/2009	-	-	<0.5	<0.5	-	-	<0.5
	3/16/2010	**<0.5**	**<2.0**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
IW-2	10/30/2009	-	-	13	51	-	-	<10
	2/8/2010	-	-	5.1	3.9	-	-	-
	3/16/2010	**<10**	**70**	**20**	**15**	**<10**	**<10**	**<10**
IW-3	10/30/2009	-	-	220	480	-	-	<10
	2/8/2010	-	-	94	82	-	-	-
	3/16/2010	**<25**	**120**	**230**	**220**	**<25**	**<25**	**<25**

Notes:
µg/L= micrograms per liter
ND<50 = non detect at respective reporting limit
MTBE - methyl tertiary butyl ether
TAME - tert-amyl methyl ether
TBA - tert-butyl alcohol
DIPE - diisopropyl ether
ETBE - ethyl tert-butyl ether

APPENDIX A

MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-1

Project Name:	ALLEN	Date of Sampling:	3/16/2010
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	14.92		
Depth of Well	18.00		
Depth to Water (from top of casing)	7.80		
Water Elevation (feet above msl)	7.12		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	3.5		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.05	6.04	10	6.13	-37.2	Clear
	1.0	16.32	5.73	914	3.11	-0.3	Clear
	1.5	16.33	5.69	915	2.54	-33.4	Clear
	2.0	16.33	5.63	915	2.32	-32.0	Clear
	2.5	16.32	5.62	915	2.19	-30.4	Clear
	3.0	16.31	5.59	915	2.09	-28.4	Clear
	3.5	16.30	5.59	915	1.94	-27.0	Clear

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear with no odors

Purge line @ 10.0 ft b gs

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	ALLEN	Date of Sampling:	3/16/2010
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	15.27		
Depth of Well	17.00		
Depth to Water (from top of casing)	8.19		
Water Elevation (feet above msl)	7.08		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	3.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.68	6.04	772	4.06	-23.5	Clear
	1.0	16.70	5.73	771	3.20	-24.7	Clear
	1.5	16.70	5.69	769	2.80	-24.7	Clear
	2.0	16.68	5.63	768	2.65	-24.3	Clear
	2.5	16.66	5.62	768	2.63	-23.2	Clear
	3.5	16.66	5.59	768	2.61	-22.4	Clear

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear with no odors

Purge line @ 10.0 ft b gs

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	ALLEN	Date of Sampling:	2/24/10.
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	15.26		
Depth of Well	18.00		
Depth to Water (from top of casing)	8.78		
Water Elevation (feet above msl)	6.48		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	4.0		
Appearance of Purge Water	light yellow		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.50	6.52	3,966	2.03	-142.8	Light yellow
	1.0	16.46	6.62	3,912	1.70	-153.8	Light yellow
	1.5	16.41	6.65	3,865	0.95	-157.9	Light yellow
	2.0	16.38	6.67	3,836	0.84	-160.8	Light yellow
	3.0	16.36	6.69	3,825	0.67	-160.9	Light yellow
	4.0	16.36	6.69	3,830	0.65	-169.0	Light yellow

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Light yellow with strong hydrocarbon odor

Purge line @ 10.0 ft b gs

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: IW-1

Project Name:	ALLEN	Date of Sampling:	3/16/2010
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	15.26		
Depth of Well	18.00		
Depth to Water (from top of casing)	7.68		
Water Elevation (feet above msl)	7.58		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	5.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.17	5.13	1,429	14.74	-39.0	Clear
	1.0	16.21	4.90	1,437	16.53	-35.8	Clear
	1.5	16.19	4.84	1,439	17.05	-33.5	Clear
	2.0	16.17	4.83	1,438	17.07	-32.2	Clear
	3.0	16.11	4.80	1,432	16.50	-29.0	Clear
	4.0	16.08	4.80	1,426	16.36	-27.5	Clear
	5.0	16.09	4.80	1,420	16.66	-25.1	Clear

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear, no odor

Purge line @ 10.0 ft b gs

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: IW-2

Project Name:	ALLEN	Date of Sampling:	3/16/2010
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	15.26		
Depth of Well	18.00		
Depth to Water (from top of casing)	7.57		
Water Elevation (feet above msl)	7.69		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	4.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.39	5.20	1,069	2.30	-56.0	Clear
	1.0	16.42	5.36	1,075	0.91	-56.4	Clear
	1.5	16.38	5.42	1,073	0.68	-56.1	Clear
	2.0	16.37	5.40	1,077	0.67	-56.0	Clear
	3.0	16.37	5.39	1,072	0.64	-55.7	Clear
	4.0	16.34	5.43	1,070	0.63	-55.5	Clear

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear, with slight hydrocarbon odor

Purge line @ 10.0 ft bgs

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: IW-3

Project Name:	ALLEN	Date of Sampling:	3/16/2010
Job Number:	270308	Name of Sampler:	A. Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2"		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	15.26		
Depth of Well	18.00		
Depth to Water (from top of casing)	7.82		
Water Elevation (feet above msl)	7.44		
Well Volumes Purged	Micropurged with peristaltic pump		
Actual Volume Purged (liters)	4.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	----

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Volume Removed (liters)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	0.5	16.53	5.49	844	5.70	-104.2	Clear
	1.0	16.58	5.51	781	0.63	-90.6	Clear
	1.5	16.56	5.52	771	0.56	-88.4	Clear
	2.0	16.52	5.53	736	0.45	-78.1	Clear
	3.0	16.51	5.50	736	0.45	-76.3	Clear
	4.0	16.53	5.51	738	0.40	-74.7	Clear

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Clear, strong hydrocarbon odor

Purge line @ 10.0 ft b gs

APPENDIX B

LABORATORY ANALYTICAL AND CHAIN OF CUSTODY DOCUMENTATION

AEI CONSULTANTS

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 10/30/09
2500 Camino Diablo, Ste. #200		Date Received: 10/30/09
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Reported: 11/06/09
	Client P.O.: #WC082073	Date Completed: 11/06/09

WorkOrder: 0910938

November 06, 2009

Dear Robert:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#277901; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0910938

McCampbell Analytical, Inc.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

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

Report To: Robert Flory Bill To: Same
Company: AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597 E-Mail: rflory@aeiconsultants.com
Tel: (925) 746-6000 Fax: (925) 746-6099
Project #: 277901 PO: WC082073 Project Name: Allen
Project Location: 325 Martin Luther King, Jr. Way, Oakland
Sampler Signature:

SAMPLE ID	LOCATION (Field Point Name)	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
MW-3	MW-3	10/30/09	1035	3	VOAs	X					X	X		
IW-1	IW-1	"	1000	"	"	X					X	X		
IW-2	IW-2	"	945	"	"	X					X	X		
IW-3	IW-3	"	1015	"	"	X					X	X		

Analysis Request

BTEX & TPH as Gas (602/8021B + 8015)/MTBE	TPH- multirange (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 – 8010 basic list	MTBE, EDB, 1,2 DCA only (epa 602 / 8020)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	EPA 624 / 8260 VOCs	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)
X					X								
X					X								
X					X								
X					X								

Other

Comments: Filter Samples for Metals Analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	10/30/09	1915	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 10.5
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB

PRESERVATION APPROPRIATE CONTAINERS PERSERVED IN LAB

VOAS	O&G	METALS	OTHER

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0910938 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO: #WC082073
ProjectNo: #277901; Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **10/30/2009**
Date Printed: **10/30/2009**

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
0910938-001	MW-3	Water	10/30/2009 10:35	☐	B	A	A									
0910938-002	IW-1	Water	10/30/2009 10:00	☐	B	A										
0910938-003	IW-2	Water	10/30/2009 9:45	☐	B	A										
0910938-004	IW-3	Water	10/30/2009 10:15	☐	B	A										

Test Legend:

1	8260VOC_W	2	G-MBTEX_W	3	PREDF REPORT	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **10/30/2009 7:56:26 PM**

Project Name: **#277901; Allen**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0910938** Matrix Water

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: 10.4°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.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 10/30/09
		Date Received: 10/30/09
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 11/02/09-11/03/09
Walnut Creek, CA 94597	Client P.O.: #WC082073	Date Analyzed 11/02/09-11/03/09

Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0910938

Lab ID	0910938-001B	0910938-002B	0910938-003B	0910938-004B	Reporting Limit for DF =1	
Client ID	MW-3	IW-1	IW-2	IW-3		
Matrix	W	W	W	W		
DF	100	1	20	20	S	W
Compound	**Concentration**				ug/kg	µg/L
1,2-Dibromoethane (EDB)	96	ND	13	220	NA	0.5
1,2-Dichloroethane (1,2-DCA)	470	ND	51	480	NA	0.5
Methyl-t-butyl ether (MTBE)	ND<50	ND	ND<10	ND<10	NA	0.5
Surrogate Recoveries (%)						
%SS1:	97	96	94	96		
%SS2:	106	108	107	105		
%SS3:	107	104	103	110		
Comments	a3					

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

a3) sample diluted due to high organic content.

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 10/30/09
		Date Received: 10/30/09
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 11/03/09-11/06/09
Walnut Creek, CA 94597	Client P.O.: #WC082073	Date Analyzed: 11/03/09-11/06/09

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0910938

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-3	W	59,000	ND<900	10,000	7100	1200	3900	50	99	d1
002A	IW-1	W	ND	ND	ND	ND	ND	ND	1	100	b1
003A	IW-2	W	15,000	ND<100	1100	2100	630	2400	20	107	d1
004A	IW-3	W	61,000	ND<1000	10,000	14,000	1400	9800	200	107	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46864 WorkOrder: 0910938

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0910938-002B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	82.6	86.9	5.09	83.5	83.7	0.229	70 - 130	30	70 - 130	30
Benzene	ND	10	102	103	1.02	100	99.1	1.10	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	75.9	83.7	9.75	74.7	76.5	2.41	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	90.8	94	3.54	99.4	99.5	0.0727	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	86	93.8	8.73	104	103	1.26	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	88.2	99.6	11.7	90.9	89.3	1.77	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	120	122	2.27	109	107	2.33	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	102	105	3.21	98	98.2	0.164	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	93.6	98.7	5.36	92	91	1.17	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	92.7	99.1	6.75	92.2	91.5	0.819	70 - 130	30	70 - 130	30
Toluene	ND	10	96.1	99.1	3.14	106	107	0.143	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	114	115	1.10	119	117	1.51	70 - 130	30	70 - 130	30
%SS1:	96	25	99	102	3.07	96	95	0.562	70 - 130	30	70 - 130	30
%SS2:	108	25	103	103	0	103	104	0.309	70 - 130	30	70 - 130	30
%SS3:	104	2.5	93	96	3.12	107	105	2.07	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46864 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910938-001B	10/30/09 10:35 AM	11/02/09	11/02/09 11:43 PM	0910938-002B	10/30/09 10:00 AM	11/03/09	11/03/09 12:27 AM
0910938-003B	10/30/09 9:45 AM	11/03/09	11/03/09 3:58 PM	0910938-004B	10/30/09 10:15 AM	11/03/09	11/03/09 4:42 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46863 WorkOrder: 0910938

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0911027-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	113	116	2.33	116	115	0.856	70 - 130	20	70 - 130	20
MTBE	ND	10	106	110	3.83	108	110	1.63	70 - 130	20	70 - 130	20
Benzene	ND	10	96.1	96.3	0.236	99.2	104	4.79	70 - 130	20	70 - 130	20
Toluene	ND	10	93.3	93.6	0.317	87.9	92.9	5.56	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	93.6	94.3	0.827	88.4	92.2	4.18	70 - 130	20	70 - 130	20
Xylenes	ND	30	96	97	0.964	102	106	3.71	70 - 130	20	70 - 130	20
%SS:	100	10	97	97	0	97	99	2.83	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46863 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910938-001A	10/30/09 10:35 AM	11/03/09	11/03/09 1:41 AM	0910938-002A	10/30/09 10:00 AM	11/06/09	11/06/09 3:36 PM
0910938-003A	10/30/09 9:45 AM	11/03/09	11/03/09 3:38 AM	0910938-004A	10/30/09 10:15 AM	11/04/09	11/04/09 12:10 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 11/05/09
2500 Camino Diablo, Ste. #200		Date Received: 11/05/09
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Reported: 11/10/09
	Client P.O.: #WC082086	Date Completed: 11/09/09

WorkOrder: 0911152

November 10, 2009

Dear Robert:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#277901; Allen,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0911152

McCampbell Analytical, Inc.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

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

Report To: Robert Flory	**Bill To:** Same
Company: AEI Consultants	PO # WC082086
2500 Camino Diablo	
Walnut Creek, CA 94597	**E-Mail:** rflory@aeiconsultants.com
Tel: (925) 746-6000	**Fax:** (925) 746-6099
Project #: 277901 **PO:** WC082086	**Project Name:** Allen
Project Location: 325 Martin Luther King, Jr. Way, Oakland	
Sampler 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	Analysis Request: BTEX & TPH as Gas (602/8021B + 8015)/MTBE	Analysis Request: TPH- multirange (8015)	Analysis Request: Total Petroleum Oil & Grease (5520 E&F/B&F)	Analysis Request: Total Petroleum Hydrocarbons (418.1)	Analysis Request: HVOCs EPA 8260 – 8010 basic list	Analysis Request: MTBE, EDB, 1,2 DCA only (epa 602 / 8020)	Analysis Request: Pesticides EPA 608 / 8080	Analysis Request: PCBs EPA 608 / 8080	Analysis Request: EPA 624 / 8260 VOCs	Analysis Request: EPA 625 / 8270	Analysis Request: PAH's / PNA's by EPA 625 / 8270 / 8310	Analysis Request: CAM-17 Metals	Analysis Request: LUFT 5 Metals	Analysis Request: Lead (7240/7421/239.2/6010)	Other	Comments
		11/5/09																											
IW-3	IW-3	~~IW-3~~	~~0935~~	2	VOAs	X					X	X			X														Filter Samples for Metals Analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	11/5/09	530	11/5/09 5:30pm
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
PRESERVATION				

ICE/t° 9.5 YES ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PERSERVED IN LAB N/A

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0911152 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO: #WC082086
ProjectNo: #277901; Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **11/05/2009**
Date Printed: **11/05/2009**

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
0911152-001	IW-3	Water	11/5/2009 9:35	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

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

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Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **11/5/2009 6:52:07 PM**

Project Name: **#277901; Allen**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0911152** Matrix Water

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: 9.4°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.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 11/05/09
		Date Received: 11/05/09
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 11/06/09
Walnut Creek, CA 94597	Client P.O.: #WC082086	Date Analyzed: 11/06/09

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0911152

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	IW-3	W	64,000	ND<150	4000	7500	1100	7400	20	102	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46925 WorkOrder: 0911152

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0911141-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	116	117	1.67	113	120	6.26	70 - 130	20	70 - 130	20
MTBE	ND	10	110	114	3.64	114	113	1.15	70 - 130	20	70 - 130	20
Benzene	ND	10	101	105	3.53	104	97.2	6.63	70 - 130	20	70 - 130	20
Toluene	ND	10	90.4	93	2.86	101	95.1	6.13	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	90.7	93.9	3.48	99.6	95.1	4.64	70 - 130	20	70 - 130	20
Xylenes	ND	30	106	109	2.98	100	95.7	4.75	70 - 130	20	70 - 130	20
%SS:	103	10	97	97	0	100	94	6.26	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46925 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911152-001A	11/05/09 9:35 AM	11/06/09	11/06/09 8:29 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: Allen	Date Sampled: 11/23/09
2500 Camino Diablo, Ste. #200		Date Received: 11/23/09
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Reported: 11/30/09
	Client P.O.: #WC082121	Date Completed: 11/30/09

WorkOrder: 0911564

November 30, 2009

Dear Robert:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **Allen,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0911564

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

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

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

Report To: Robert Flory Bill To: same

Company: AEI consultants

PO# WC082121 E-Mail:

Tele: 925 944-2899 Fax: 925 944-2895

Project #: Project Name: ALLEN

Project Location: Martin luther king Jr Oakland Cal

Sampler 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 8260 (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 515.3 / 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 (200.8 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Other	Other	Other	Comments
+ IW-3	IW-3	11/23/09	1335	2	voas	X					X	X			X																				Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	11/23/09	1610	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 3.6

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓		pH<2	

COMMENTS:

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0911564 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO: #WC082121
ProjectNo: Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **11/23/2009**
Date Printed: **11/23/2009**

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
0911564-001	IW-3	Water	11/23/2009 13:35	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

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

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **11/23/2009 5:00:05 PM**

Project Name: **Allen**
Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0911564** Matrix Water
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: 3.6°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.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: Allen	Date Sampled: 11/23/09
		Date Received: 11/23/09
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 11/24/09
Walnut Creek, CA 94597	Client P.O.: #WC082121	Date Analyzed: 11/24/09

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 0911564

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	IW-3	W	77,000	ND<250	6700	11,000	430	11,000	50	107	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 47259 WorkOrder: 0911564

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0911582-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	111	114	2.91	93.1	112	18.2	70 - 130	20	70 - 130	20
MTBE	ND	10	123	121	1.93	120	119	0.459	70 - 130	20	70 - 130	20
Benzene	ND	10	112	114	1.63	113	112	0.757	70 - 130	20	70 - 130	20
Toluene	ND	10	99.7	101	1.22	100	99.6	0.418	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	98.3	100	1.84	99.1	99.2	0.0499	70 - 130	20	70 - 130	20
Xylenes	ND	30	112	114	2.05	113	112	0.395	70 - 130	20	70 - 130	20
%SS:	107	10	103	102	0.136	104	103	1.07	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47259 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911564-001A	11/23/09 1:35 PM	11/24/09	11/24/09 4:51 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 02/08/10
		Date Received: 02/08/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Reported: 02/11/10
Walnut Creek, CA 94597	Client P.O.: #WC082231	Date Completed: 02/11/10

WorkOrder: 1002179

February 11, 2010

Dear Robert:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#277901; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

102179

McCampbell Analytical, Inc.
1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

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

Report To: Robert Flory **Bill To:** Same

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

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

Project #: 277901 **PO:** WC082231 **Project Name:** Allen

Project Location: 325 Martin Luther King, Jr. Way, Oakland

Sampler Signature: Robert Flory

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
+ MW-3	MW-3	2/8/10	0935	3	VOA	X					X			
+ IW-2	IW-2		0900	3	VOA	X					X			
+ IW-3	IW-3		0920	3	VOA	X					X			

Analysis Request

BTEX & TPH as Gas (602/8021B + 8015)/MTBE	TPH- multirange (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 – 8010 basic list	MTBE, EDB, 1,2 DCA only (epa 602 / 8020)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	EPA 624 / 8260 VOCs	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)
X													
X													
X													

Other

Comments
Filter Samples for Metals Analysis:
Yes / No

Relinquished By:	Date:	Time:	Received By:
	2/8/10	1715	
Relinquished By:	Date:	Time:	Received By:
	2/9/10	5:30	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.4c
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB _____

PRESERVATION APPROPRIATE	VOAS ✓	O&G	METALS	OTHER
CONTAINERS ✓				

PERSERVED IN LAB _____

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002179 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO: #WC082231
ProjectNo: #277901; Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **02/08/2010**
Date Printed: **02/08/2010**

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
1002179-001	MW-3	Water	2/8/2010 9:35	☐	A	A										
1002179-002	IW-2	Water	2/8/2010 9:00	☐	A											
1002179-003	IW-3	Water	2/8/2010 9:20	☐	A											

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

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

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Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **2/8/2010 7:20:23 PM**

Project Name: **#277901; Allen**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **1002179** Matrix Water

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.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 02/08/10
		Date Received: 02/08/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 02/09/10-02/10/10
Walnut Creek, CA 94597	Client P.O.: #WC082231	Date Analyzed: 02/09/10-02/10/10

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1002179

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-3	W	13,000	ND<50	840	1500	120	1700	10	104	d1
002A	IW-2	W	630	ND	4.4	17	3.7	78	1	106	d1,d7
003A	IW-3	W	18,000	ND<50	790	910	38	2600	10	101	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 48563 WorkOrder 1002179

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1002196-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	118	116	1.21	113	117	3.97	70 - 130	20	70 - 130	20
MTBE	ND	10	114	115	0.918	115	114	0.978	70 - 130	20	70 - 130	20
Benzene	ND	10	105	105	0	107	106	0.615	70 - 130	20	70 - 130	20
Toluene	ND	10	93.9	93.7	0.226	95.5	93.6	1.96	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	93.5	94.5	1.07	95.4	92.6	3.01	70 - 130	20	70 - 130	20
Xylenes	ND	30	106	108	1.17	109	106	2.72	70 - 130	20	70 - 130	20
%SS:	99	10	102	100	1.23	100	103	2.70	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48563 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002179-001A	02/08/10 9:35 AM	02/09/10	02/09/10 5:17 PM	1002179-002A	02/08/10 9:00 AM	02/10/10	02/10/10 9:46 PM
1002179-003A	02/08/10 9:20 AM	02/09/10	02/09/10 6:23 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 02/08/10
		Date Received: 02/08/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Reported: 02/11/10
Walnut Creek, CA 94597	Client P.O.: #WC082231	Date Completed: 02/18/10

WorkOrder: 1002179

February 23, 2010

Dear Robert:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#277901; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1002179

McCampbell Analytical, Inc.
1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

GeoTracker EDF ☒ **PDF** ☒ **Excel** ☐ **Write On (DW)** ☐

Report To: Robert Flory **Bill To:** Same
Company: AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597 **E-Mail:** rflory@aeiconsultants.com
Tel: (925) 746-6000 **Fax:** (925) 746-6099
Project #: 277901 **PO:** WC082231 **Project Name:** Allen
Project Location: 325 Martin Luther King, Jr. Way, Oakland
Sampler Signature: Robert Flory

SAMPLE ID	LOCATION (Field Point Name)	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other
MW-3	MW-3	2/8/10	0935	3	VOA	X					X			
IW-2	IW-2	"	0900	3	VOA	X					X			
IW-3	IW-3	"	0920	3	VOA	X					X			

Analysis Request

BTEX & TPH as Gas (602/8021B + 8015)/MTBE	TPH- multirange (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 – 8010 basic list	MTBE, EDB, 1,2 DCA only (epa 602 / 8020)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	EPA 624 / 8260 VOCs	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)
X				X	X								
X				X	X								
X				X	X								

Other: 1,2-DCA + EDB added per RF 2/16/10

Comments: Filter Samples for Metals Analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	2/8/10	4:15	
	2/9/10	5:30	

ICE/t° 5.4C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB _____

PRESERVATION	VOAS ✓	O&G	METALS	OTHER
APPROPRIATE CONTAINERS ✓				

PERSERVED IN LAB _____

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 100217 A **ClientCode: AEL**

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

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

Email: rflory@aeiconsultants.com
cc:
PO: #WC082231
ProjectNo: #277901; Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days
Date Received: **02/08/2010**
Date Add-On: **02/16/2010**
Date Printed: **02/16/2010**

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
1002179-001	MW-3	Water	2/8/2010 9:35	☐	A											
1002179-002	IW-2	Water	2/8/2010 9:00	☐	A											
1002179-003	IW-3	Water	2/8/2010 9:20	☐	A											

Test Legend:

1	8260VOC_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: 1,2-DCA & EDB 5-day added per RF 02/16/10

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

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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277901; Allen	Date Sampled: 02/08/10
		Date Received: 02/08/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 02/18/10-02/22/10
Walnut Creek, CA 94597	Client P.O.: #WC082231	Date Analyzed: 02/18/10-02/22/10

Volatile Organics by P&T and GC/MS*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 1002179

Lab ID	Client ID	Matrix	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (1,2-DCA)	DF	% SS	Comments
001A	MW-3	W	42	42	10	117	
002A	IW-2	W	5.1	3.9	1	115	
003A	IW-3	W	94	82	10	121	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.5	0.5	µg/L
	S	NA	NA	NA

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 48675 WorkOrder 1002179

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1002353-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	95.3	97.5	2.30	82.4	86.9	5.25	70 - 130	30	70 - 130	30
Benzene	ND	10	111	109	1.75	101	102	0.624	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	94.3	100	6.12	72.2	80	10.2	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	115	113	1.80	107	105	1.90	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	113	113	0	99.4	102	2.83	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	109	108	0.445	93.8	96.1	2.34	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	121	117	3.12	113	112	0.560	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	118	117	0.176	102	105	3.25	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	103	104	0.803	89.7	92.7	3.29	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	109	109	0	90.9	94	3.35	70 - 130	30	70 - 130	30
Toluene	ND	10	107	104	2.57	99.5	97.5	2.05	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	123	119	3.78	113	112	0.887	70 - 130	30	70 - 130	30
%SS1:	108	25	110	108	1.02	106	105	0.174	70 - 130	30	70 - 130	30
%SS2:	113	25	113	113	0	115	114	0.684	70 - 130	30	70 - 130	30
%SS3:	86	2.5	89	90	0.645	93	91	2.27	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48675 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002179-001A	02/08/10 9:35 AM	02/18/10	02/18/10 3:44 AM	1002179-002A	02/08/10 9:00 AM	02/22/10	02/22/10 7:54 PM
1002179-003A	02/08/10 9:20 AM	02/18/10	02/18/10 5:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277925; Allen	Date Sampled: 02/24/10
		Date Received: 02/24/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Reported: 03/01/10
Walnut Creek, CA 94597	Client P.O.:	Date Completed: 02/26/10

WorkOrder: 1002602

March 01, 2010

Dear Robert:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#277925; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

1002602

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

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

EDF Required? ☐ Yes ☐ No Email PDF Report: YES

Report To: Robert Flory Bill To: Same
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: rflory@aeiconsultants.com
Tel: (925) 746-6000 Fax: (925) 946-6099
Project #:277925 PO WC082260 Project Name: Allen
Project Location: 325 Martin Luther King Jr. Way
Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015) w/ silica gel cleanup	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 (8010 list)	BTEX ONLY (EPA 602 / 8020)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	VOCs EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	Diss Hexachrome (E218.6)	Other: Arsenic, Barium, Cadmium, Total Chromium, Copper, total Iron, Lead, Selenium (E200.8)	Other: MTBE, EDB, and 1,2-DCA (8260)	Other: TPH-g (TO-3) + MBTEX (TO-15)	Other: 2-propanol (TO-15)	Comments
MW-3		2/24/10	940	3	VOAs	X					X	X			X																			
IW-2		"	925	1	"	X					X	X			X																			
IW-3		"	900	1	"	X					X	X			X																			

Relinquished By:	Date:	Time:	Received By:
	2/24/10	1534	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° Yes 2.9°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB NA

	VOAS	O&G	METALS	OTHER
PRESERVATION				
APPROPRIATE CONTAINERS	✓			
PERSERVED IN LAB	NA			

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002602 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO:
ProjectNo: #277925; Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **02/24/2010**
Date Printed: **02/24/2010**

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
1002602-001	MW-3	Water	2/24/2010 8:40	☐	A											
1002602-002	IW-2	Water	2/24/2010 9:25	☐	A											
1002602-003	IW-3	Water	2/24/2010 9:00	☐	A											

Test Legend:

1	G-MBTEX_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

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

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **2/24/2010 6:51:49 PM**

Project Name: **#277925; Allen**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **1002602** Matrix Water

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: 2.9°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.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277925; Allen	Date Sampled: 02/24/10
		Date Received: 02/24/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 02/25/10
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed: 02/25/10

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1002602

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-3	W	16,000	ND<50	1200	1700	200	1900	10	109	d1
002A	IW-2	W	3500	ND<50	22	220	57	590	10	100	d1
003A	IW-3	W	36,000	ND<250	2400	4300	320	4600	20	114	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 48894 WorkOrder 1002602

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1002589-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	93.5	92	1.54	99.9	97	3.02	70 - 130	20	70 - 130	20
MTBE	ND	10	108	101	6.75	112	114	2.03	70 - 130	20	70 - 130	20
Benzene	ND	10	92.9	91.2	1.89	95.8	96.2	0.427	70 - 130	20	70 - 130	20
Toluene	ND	10	90.6	89.2	1.56	93.9	94	0.108	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	90	88.7	1.54	93.4	94.1	0.774	70 - 130	20	70 - 130	20
Xylenes	ND	30	90.6	89.3	1.49	94.5	94.7	0.205	70 - 130	20	70 - 130	20
%SS:	98	10	102	101	0.753	98	102	3.29	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48894 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002602-001A	02/24/10 8:40 AM	02/25/10	02/25/10 10:56 PM	1002602-002A	02/24/10 9:25 AM	02/25/10	02/25/10 11:27 PM
1002602-003A	02/24/10 9:00 AM	02/25/10	02/25/10 11:59 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 03/16/10
		Date Received: 03/16/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Reported: 03/23/10
Walnut Creek, CA 94597	Client P.O.: #WC082304	Date Completed: 03/23/10

WorkOrder: 1003477

March 23, 2010

Dear Robert:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#277915; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701 1003477
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

GeoTracker EDF ☒ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

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

Report To: AEI **Bill To:** Same

Company: Robert Flory

E-Mail: rflory@aeiconsultants.com

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

Project #: **Project Name:** Allen

Project Location: Martin Luther King Rd. Oakland

Sampler 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
(+) MW-1		3/16/10	905	3	VOAs	X								
(+) MW-2			920			X								
+ MW-3			930			X								
+ EW-1			1000			X								
+ EW-2			950			X								
+ EW-3		↓	940	↓	↓	✓								

Analysis Request	Other	Comments
BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE		Filter Samples for Metals analysis: Yes / No
TPH as Diesel (8015)		
Total Petroleum Oil & Grease (1664 / 5520 E/B&F)		
Total Petroleum Hydrocarbons (418.1)		
EPA 8260 (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 515.3 / 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 (200.8 / 6020) 10 X Rule		
LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)		
Lead (200.7 / 200.8 / 6010 / 6020)		
X		
X		
X		
X		
X		
X		

Relinquished By:	Date:	Time:	Received By:
	3/16/10	7:50pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° YES 8.2°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A ✓
APPROPRIATE CONTAINERS
PRESERVED IN LAB N/A

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1003477 **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121
Email: rflory@aeiconsultants.com
cc:
PO:
ProjectNo: Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **03/16/2010**
Date Printed: **03/16/2010**

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
1003477-001	MW-1	Water	3/16/2010 9:05	☐	A	A										
1003477-002	MW-2	Water	3/16/2010 9:20	☐	A											
1003477-003	MW-3	Water	3/16/2010 9:30	☐	A											
1003477-004	IW-1	Water	3/16/2010 10:00	☐	A											
1003477-005	IW-2	Water	3/16/2010 9:50	☐	A											
1003477-006	IW-3	Water	3/16/2010 9:40	☐	A											

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

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

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **3/16/2010 9:03:29 PM**

Project Name: **Allen**
Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **1003477** Matrix Water
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.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 03/16/10
		Date Received: 03/16/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 03/17/10-03/18/10
Walnut Creek, CA 94597	Client P.O.: #WC082304	Date Analyzed: 03/17/10-03/18/10

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1003477

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	105	
002A	MW-2	W	ND	ND	ND	ND	ND	ND	1	104	
003A	MW-3	W	34,000	ND<250	3000	4100	580	4100	50	101	d1
004A	IW-1	W	ND	ND	ND	ND	ND	ND	1	101	
005A	IW-2	W	20,000	ND<100	320	2100	450	4000	20	100	d1
006A	IW-3	W	44,000	ND<500	3200	6000	650	5400	100	105	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 49301 WorkOrder 1003477

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1003477-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	110	111	0.763	95.7	97.7	1.99	70 - 130	20	70 - 130	20
MTBE	ND	10	107	106	0.167	93	98.7	5.92	70 - 130	20	70 - 130	20
Benzene	ND	10	96.1	94.2	1.92	97	95.3	1.70	70 - 130	20	70 - 130	20
Toluene	ND	10	94.5	92.9	1.72	96.5	93.9	2.80	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	95.5	93.9	1.66	95.3	95	0.334	70 - 130	20	70 - 130	20
Xylenes	ND	30	98.6	96.9	1.72	98.2	98	0.214	70 - 130	20	70 - 130	20
%SS:	104	10	97	96	0.846	100	98	1.85	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 49301 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1003477-001A	03/16/10 9:05 AM	03/18/10	03/18/10 2:53 AM	1003477-002A	03/16/10 9:20 AM	03/18/10	03/18/10 2:23 AM
1003477-003A	03/16/10 9:30 AM	03/17/10	03/17/10 4:36 PM	1003477-004A	03/16/10 10:00 AM	03/18/10	03/18/10 1:24 AM
1003477-005A	03/16/10 9:50 AM	03/17/10	03/17/10 5:09 PM	1003477-006A	03/16/10 9:40 AM	03/17/10	03/17/10 5:43 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or 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, or inconsistency in sample containers.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 03/16/10
		Date Received: 03/16/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Reported: 03/23/10
Walnut Creek, CA 94597	Client P.O.: #WC082304	Date Completed: 03/23/10

WorkOrder: 1003477

March 23, 2010

Dear Robert:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#277915; Allen,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
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1003477

CHAIN OF CUSTODY RECORD

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

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

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

Report To: AEI Bill To: Same
Company: Robert Flory
E-Mail: rflory@aeiconsultants.com
Tele: (925) 746-6000 Fax: ( ) 746-6099
Project #: Project Name: Allen
Project Location: Martin Luther King Rd, Oakland
Sampler Signature: [signature]

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	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 8260 (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 515.3 / 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 (200.8 / 6020) 10 X Rule	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: ~~Fuel oxygenates~~ TPD scan 3/17/10 Std. TAT	Other	Comments: Filter Samples for Metals analysis: Yes / No
(+) MW-1		3/16/10	905	3	voas	X									X																		
(+) MW-2		↓	920	↓	↓	X									X																~~X~~		
+ MW-3		↓	930	↓	↓	X									X																~~X~~		
+ EW-1		↓	1000	↓	↓	X									X																~~X~~		
+ EW-2		↓	950	↓	↓	X									X																~~X~~		
+ EW-3		↓	940	↓	↓	✓									X																~~X~~		

Relinquished By:	Date:	Time:	Received By:
[signature]	3/16/10	7:50pm	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° yes 8.2°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB NA
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB NA

COMMENTS:

PRESERVATION VOAS O&G METALS OTHER
pH<2

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 100347 A **ClientCode: AEL**

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

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX (925) 283-6121

Email: rflory@aeiconsultants.com
cc:
PO:
ProjectNo: Allen

Bill to:
Denise Mockel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
dmockel@aeiconsultants.com

Requested TAT: 5 days
Date Received: **03/16/2010**
Date Add-On: **03/17/2010**
Date Printed: **03/18/2010**

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
1003477-003	MW-3	Water	3/16/2010 9:30	☐	A											
1003477-004	IW-1	Water	3/16/2010 10:00	☐	A											
1003477-005	IW-2	Water	3/16/2010 9:50	☐	A											
1003477-006	IW-3	Water	3/16/2010 9:40	☐	A											

Test Legend:

1	5-OXYS+PBSCV_W	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments: Fuel Oxys+Pb Scavs added 3/17/10 Std TAT

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

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 03/16/10
		Date Received: 03/16/10
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 03/20/10-03/22/10
Walnut Creek, CA 94597	Client P.O.: #WC082304	Date Analyzed: 03/20/10-03/22/10

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1003477

Lab ID	1003477-003A	1003477-004A	1003477-005A	1003477-006A	Reporting Limit for DF =1	
Client ID	MW-3	IW-1	IW-2	IW-3		
Matrix	W	W	W	W		
DF	50	1	20	50	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<25	ND	ND<10	ND<25	NA	0.5
t-Butyl alcohol (TBA)	430	ND	70	120	NA	2.0
1,2-Dibromoethane (EDB)	110	ND	20	230	NA	0.5
1,2-Dichloroethane (1,2-DCA)	130	ND	15	220	NA	0.5
Diisopropyl ether (DIPE)	ND<25	ND	ND<10	ND<25	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<25	ND	ND<10	ND<25	NA	0.5
Methyl-t-butyl ether (MTBE)	ND<25	ND	ND<10	ND<25	NA	0.5
Surrogate Recoveries (%)						
%SS1:	120	126	115	120		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 49320 WorkOrder 1003477

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1003517-016c**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	79	78.9	0.0984	80.4	78.8	2.02	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	89.3	89.9	0.668	83.7	82.7	1.17	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	94.1	92.8	1.34	93.7	92.2	1.66	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	92.4	93.4	1.05	94	91.9	2.28	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	104	104	0	106	104	1.39	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	82.4	82.6	0.194	83.9	81.4	2.95	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	88.5	87.8	0.763	88.6	87.4	1.34	70 - 130	30	70 - 130	30
%SS1:	95	25	97	99	2.53	100	98	1.88	70 - 130	30	70 - 130	30
%SS2:	97	25	100	100	0	99	100	0.881	70 - 130	30	70 - 130	30
%SS3:	91	2.5	91	88	3.31	89	90	1.69	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 49320 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1003477-003A	03/16/10 9:30 AM	03/22/10	03/22/10 2:10 PM	1003477-004A	03/16/10 10:00 AM	03/20/10	03/20/10 6:05 AM
1003477-005A	03/16/10 9:50 AM	03/22/10	03/22/10 2:53 PM	1003477-006A	03/16/10 9:40 AM	03/22/10	03/22/10 3:36 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer