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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

November 28, 2008

GROUNDWATER MONITORING REPORT
Second and Third Quarter, 2008

325 Martin Luther King Jr. Way
Oakland, California

Project No. 270308

Prepared For

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

Prepared By

AEI Consultants
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November 28, 2008

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

Subject: **Quarterly Groundwater Monitoring Report**
Second and Third Quarter, 2008
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 Health Care Services Agency (ACHCSA). 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 Second and Third Quarter 2008 episodes of groundwater monitoring and sampling conducted on June 18 and September 19, 2008. In addition, this report includes the findings of sampling well MW-3 on August 4 and 20, 2008, as part of performance monitoring for the chemical oxidation pilot test performed in late July 2008.

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.

Touchstone Developments completed a Phase I Environmental Site Assessment (ESA) of the property dated November 1, 1993 and 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. Marvin Busby Company, Inc. decommissioned the tank on October 20, 1993 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.

AEI performed a Phase II Subsurface Investigation in May 2005. A total two borings (SB-2 and SB-4) were completed with soil and groundwater samples collected (SB-1 and SB-3 encountered refusal at 4 feet bgs, possibly the top of the concrete filled UST). A release was discovered during the investigation, which indicated an impact to groundwater. Total petroleum hydrocarbon (TPH) as gasoline (TPH-g), TPH as diesel (TPH-d), and benzene were detected in groundwater 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 reportedly collected from four (4) soil borings (labeled 50901-1 to 50901-4). Details on the methods, field observations (including soil conditions), or analytical reports were not made available to AEI. Based on the information provided, groundwater sample analyses revealed the highest concentrations of TPH-g, TPH-d, and benzene at 20,000 µg/l, 3600 µg/l, and 990 µg/l, from the two borings to the south of the UST. Two borings southwest of the UST contained lower, but still detectable, concentrations fuel contaminants.

In June 2006, Ceres Associated performed another subsurface investigation. The project included the analyses of soil and groundwater from an additional five soil borings (labeled SB-5 to SB-9). Significant concentrations of fuel contaminants were detected in both soil and groundwater, particularly in SB-7, located southeast of the UST. Logs of the borings were not made available to AEI.

A fourth consultant, LRM Consulting, prepared release notification documentation and a workplan for the ACHCSA in August 2006. The workplan included additional research into possible additional source locations (dispenser, piping, offsite releases, etc) and the installation of three (3) monitoring wells. The wells were proposed as 2" PVC wells with a screen interval of approximately 5 to 20 feet bgs.

The ACHCSA had several comments relating to the previous assessments, following which AEI was retained to prepare a comprehensive workplan. The workplan, titled *Site Characterization Workplan*, prepared in March of 2007, detailed soil boring investigation and well installation activities to effectively characterize the release.

In May of 2007, AEI performed a soil and groundwater investigation by advancing an additional twelve (12) soil borings at the property. The soil boring locations were chosen to help determine the magnitude and extent of the petroleum release. Low to moderate

concentrations of petroleum hydrocarbons were detected in the soil adjacent to the abandoned UST and in groundwater. Contaminant distributions in groundwater suggested that the release of hydrocarbons is limited in extent; confined to the 325 Martin Luther King Jr. Way unit. On August 10, 2007, AEI installed three (3) groundwater monitoring wells in the area of the release. Elevated petroleum hydrocarbons were detected in well MW-3, adjacent to the abandoned UST, during the initial monitoring event. Please refer to AEI's *Monitoring Well Installation Report*, dated September 21, 2008, for the well construction details and a comprehensive history of the subject site.

As requested by the ACHCSA, a *Corrective Action Pilot Test Workplan* was prepared for the site, in a report dated April 7, 2008, for a pilot-scale evaluation of in-situ chemical oxidation as a potential method of remediating the site. 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 ACHCSA 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. Please refer to AEI's *Corrective Action Pilot Test Workplan*, dated April 7, 2008, for more details regarding the pilot test.

II Summary of Monitoring Activities

AEI measured the depth to groundwater in the three (3) monitoring wells (labeled MW-1 through MW-3) on June 18 and September 19, 2008. Depth to groundwater was also measured in well MW-3 on August 4 and August 20, 2008, as part of pilot test performance monitoring. The well locations are shown on Figure 3. The depth to static groundwater from the top of the well casings was measured with an electric water level indicator prior to sampling.

The wells were purged with a battery-powered submersible pump. Temperature, pH, specific conductivity, dissolved oxygen (DO), and the oxidation-reduction potential (ORP) were measured and the turbidity was visually noted during purging of the wells. At least three (3) well volumes of water were purged from each well. The wells were allowed to recharge to at least 90% of their original level prior to sample collection.

Groundwater samples were collected with new disposable plastic bailers into 40 ml volatile organic analysis (VOA) vials and 1-liter amber bottles. VOAs were capped so that no head space or air bubbles were visible within the sample containers. Samples were transported on ice under proper chain of custody protocol to McCampbell Analytical, Inc. of Pittsburgh, California (Department of Health Services Certification #1644).

For the 2nd quarter 2008 sampling event, three (3) samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g); methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA methods 8021B/8015Cm; total petroleum hydrocarbons as diesel (TPH-d) by EPA method 8015C; and MTBE, 1,2-Dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B. As part of pilot test evaluation monitoring, the three samples were additionally analyzed for the dissolved metals arsenic, barium, cadmium, total chromium, copper, total iron, lead, and selenium by EPA method E2008.8 and hexavalent chromium by EPA method E218.6.

For the performance monitoring events of MW-3 conducted on August 4 and 20, 2008, one groundwater sample was analyzed for the constituents specified above.

For the 3rd quarter 2008 sampling event, three (3) samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g); methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA methods 8021B/8015Cm; total petroleum hydrocarbons as diesel (TPH-d) by EPA method 8015C; and MTBE, 1,2-Dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B. One sample (MW-3) was analyzed for the metals arsenic, barium, cadmium, total chromium, copper, total iron, lead, and selenium by EPA method E2008.8, as well as hexavalent chromium by EPA method E218.6.

III Field Results

Groundwater levels for the 2nd quarter 2008 monitoring episode ranged from 6.45 (MW-2) to 6.58 (MW-3) feet above mean sea level (amsl). Groundwater levels for the 3rd quarter 2008 monitoring episode ranged from 6.35 (MW-2) to 6.58 (MW-3) feet above mean sea level (amsl). The groundwater elevations for the 2nd quarter were an average of 0.46 feet lower than the previous episode, while the groundwater elevations for the 3rd quarter were an average of 0.12 feet lower than the previous episode. Based on these measurements, groundwater flows in a south-southeasterly direction at a gradient of approximately 0.004 ft/ft for the 2nd Quarter, while the 3rd Quarter exhibited a southerly flow direction and a gradient of approximately 0.003 ft/ft. Both of these flow directions and hydraulic gradients are consistent with previous episodes.

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 and 4: 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

2nd Quarter 2008

No detectable concentrations of petroleum hydrocarbons were reported in the groundwater samples collected from monitoring wells MW-1 and MW-2, with the exception of MTBE and 1,2-DCA detected in MW-1 at concentrations of 15 µg/L and 5.4 µg/L, respectively. In MW-3, TPH-g was detected at 20,000 µg/L and TPH-d at 3,000 µg/L. BTEX concentrations in MW-3 were detected at 2,900 µg/L, 1,100 µg/L, 390 µg/L, and 990 µg/L, respectively. In addition, EBD and 1,2-DCA were detected in well MW-3 at concentrations of 21 µg/L and 190 µg/L, respectively.

Dissolved arsenic was detected in MW-1 through MW-3 at concentrations of 0.83 µg/L, 0.90 µg/L, and 9.9 µg/L, respectively. Dissolved barium was detected in the same three wells ranging in concentration from 16 µg/L (MW-2) to 26 µg/L (MW-3). Dissolved total chromium was detected in MW-1 and MW-2 at 3.9 µg/L and 5.8 µg/L, respectively. Dissolved hexavalent chromium was detected in MW-1 and MW-2 at concentrations of 2.9 µg/L and 4.6 µg/L, respectively. Dissolved total iron was detected in MW-2 and MW-3 at concentrations of 56 µg/L and 3,700 µg/L, respectively. Dissolved lead was detected in MW-1 and MW-3 at 0.70 µg/L and 4.3 µg/L, respectively. No other selected dissolved metals were detected exceeding laboratory reporting limits.

Performance Monitoring (MW-3)

On August 4, 2008, TPH-g, TPH-d, and BTEX were detected in MW-3 at concentrations of 110,000 µg/L, 27,000 µg/L, 5,900 µg/L, 9,000 µg/L, 76 µg/L, and 8,100 µg/L. EDB and 1,2-DCA were detected at 220 µg/L and 410 µg/L, respectively. Dissolved arsenic, barium, copper, lead, and selenium were detected at 75 µg/L, 64 µg/L, 45 µg/L, 30 µg/L, and 14 µg/L. Dissolved total chromium and hexavalent chromium were detected at 120 µg/L and 130 µg/L, respectively. On August 20, 2008, TPH-g, TPH-d, and BTEX were detected in MW-3 at concentrations of 120,000 µg/L, 6,500 µg/L, 8,900 µg/L, 18,000 µg/L, 730 µg/L, and 12,000 µg/L. EDB and 1,2-DCA were detected at 330 µg/L and 410 µg/L, respectively. Dissolved arsenic, barium, copper, total iron, lead, and selenium were detected at 77 µg/L, 42 µg/L, 21 µg/L, 260 µg/L, 34 µg/L, and 9.6 µg/L. Dissolved total chromium and hexavalent chromium were detected at 73 µg/L and 54 µg/L, respectively.

3rd Quarter 2008

No detectable concentrations of petroleum hydrocarbons were reported in the groundwater samples collected from monitoring wells MW-1 and MW-2, with the exception of MTBE and 1,2-DCA detected in MW-1 at concentrations of 4.2 µg/L and 6.8 µg/L, respectively. In MW-3, TPH-g was detected at 64,000 µg/L and TPH-d at 4,500 µg/L. BTEX concentrations in MW-3 were detected at 6,200 µg/L, 9,200 µg/L, 660 µg/L, and 6,600 µg/L, respectively. In addition, EBD and 1,2-DCA were detected in well MW-3 at concentrations of 160 µg/L and 320 µg/L, respectively.

Dissolved arsenic was detected in MW-3 at a concentration of 62 µg/L. Dissolved total chromium was detected in MW-3 at 13 µg/L while dissolved hexavalent chromium was detected at 5.0 µg/L. Dissolved copper, total iron, lead, and selenium were detected in the same well at 19 µg/L, 390 µg/L, 28 µg/L, and 5.8 µg/L, respectively. Barium and cadmium were not detected exceeding laboratory reporting limits.

A summary of groundwater analytical data is presented in Tables 3 to 5 and select data is illustrated on Figures 5 and 6. Laboratory analytical reports and chain of custody documentation are included in Appendix B.

V Summary

This report documents the findings of the 2nd and 3rd Quarter 2008 regular groundwater monitoring events at the site and monthly pilot test monitoring. The analytical data gathered from the 2nd Quarter event was approximately one month prior to July injections and considered baseline. Analytical data gathered from the August 4 and 20, 2008 event for MW-3, as well as the 3rd Quarterly event, suggest that a considerable amount of desorbing of petroleum occurred in the vicinity of MW-3 from the 2-day injections event, which resulted in higher petroleum hydrocarbon groundwater concentrations in MW-3. However, based on 3rd Quarter analytical data, these spikes in hydrocarbons observed after the injections appear to be subsiding. In addition, several metals were also oxidized after the injections; although, most of these metals appear to have decreased significantly. Dissolved oxygen levels in MW-3 have also remained well above pre-injection levels in this well.

Based on sample analytical data gathered to date, it is apparent that the injections were sufficient to liberate sorbed contamination but were not enough to degrade, or chemically oxidize, the liberated contamination. Discussions with Regenesis technical staff has indicated that the site conditions may require a higher dosing amount than initially calculated. Regenesis has suggested injecting three times the mass initially injected, or roughly 2,150 lbs. An encouraging aspect of the injections is that dissolved oxygen in MW-3 increased significantly following the injections. Additional RegenOx™ injections in the area of MW-3 were discussed with and approved by Mr. Jerry Wickham of the ACHCSA during a telephone conversation in mid-November.

The next groundwater monitoring event is tentatively scheduled for the 4th Quarter 2008, in mid-December of 2008. It is expected that additional injections at the site will take place in either December of 2008 or January of 2009.

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) 283-6000.

Sincerely,
AEI Consultants

Adrian M. Angel
Project Geologist

Peter McIntyre, PG, REA
Senior Project Manager

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 6/30/10
No. 7702
STATE OF CALIFORNIA

Figures

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Figure 2: Site Plan
Figure 3: Water Table Elevations (6/18/08)
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Table 2: Groundwater Elevation Data
Table 3: Groundwater Monitoring Sample Analytical Data
Table 4: Groundwater Monitoring Sample Analytical Data – Fuel Additives
Table 4: Groundwater Monitoring Sample Analytical Data – Metals

Appendix A: *Groundwater Monitoring Well Field Sampling Forms*

Appendix B: *Laboratory Analyses With Chain of Custody Documentation*

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

Alameda County Health Care Services Agency, *Fuel Leak Case No. RO0002930, 325 Martin Luther King Jr. Way, Oakland, CA 94607,* December 22, 2006

Alameda County Health Care Services Agency, *Fuel Leak Case No. RO0002930, 325 Martin Luther King Jr. Way, Oakland, CA 94607,* May 13, 2008

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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1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

GeoTracker (electronic)

FIGURES

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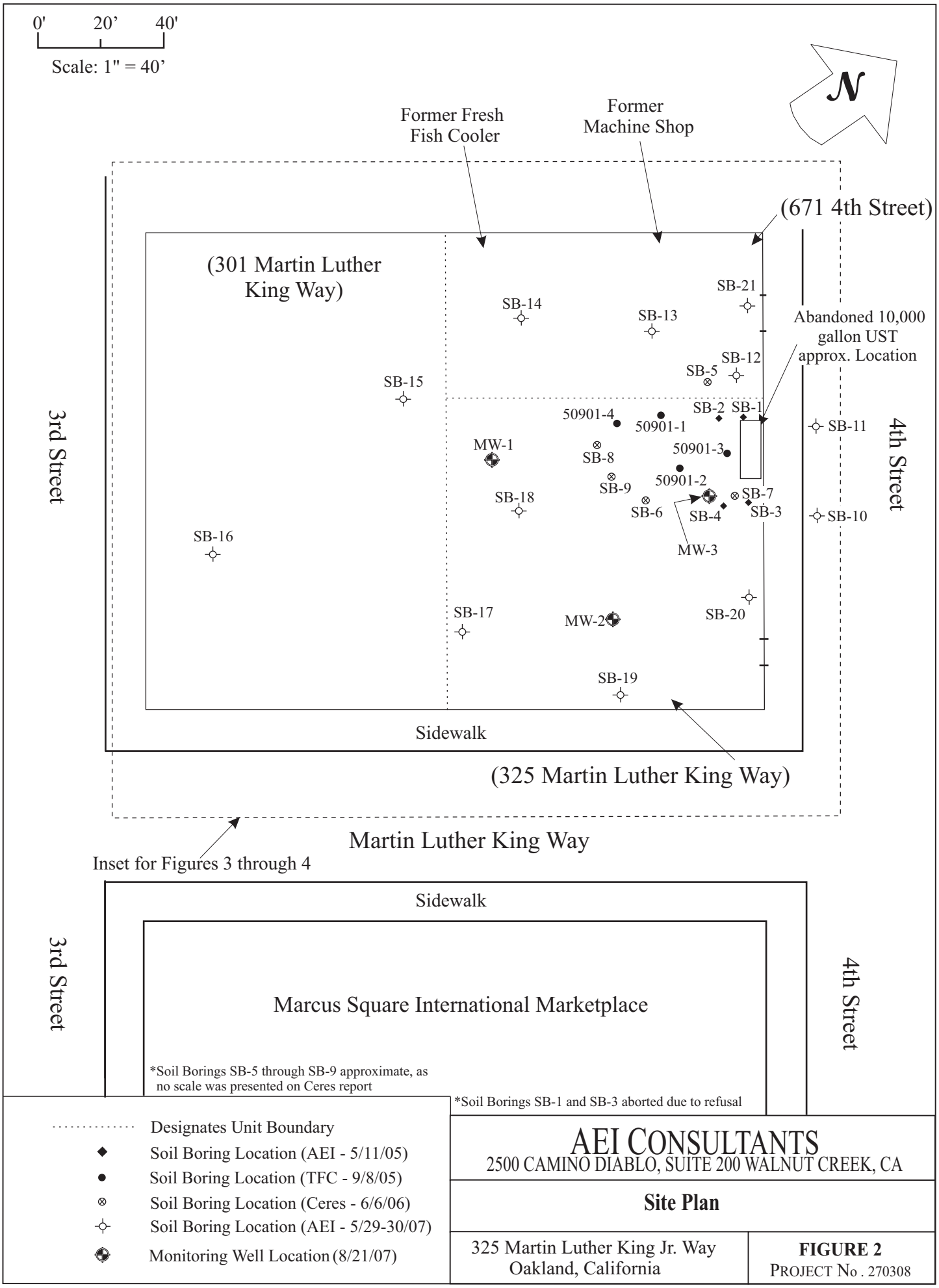
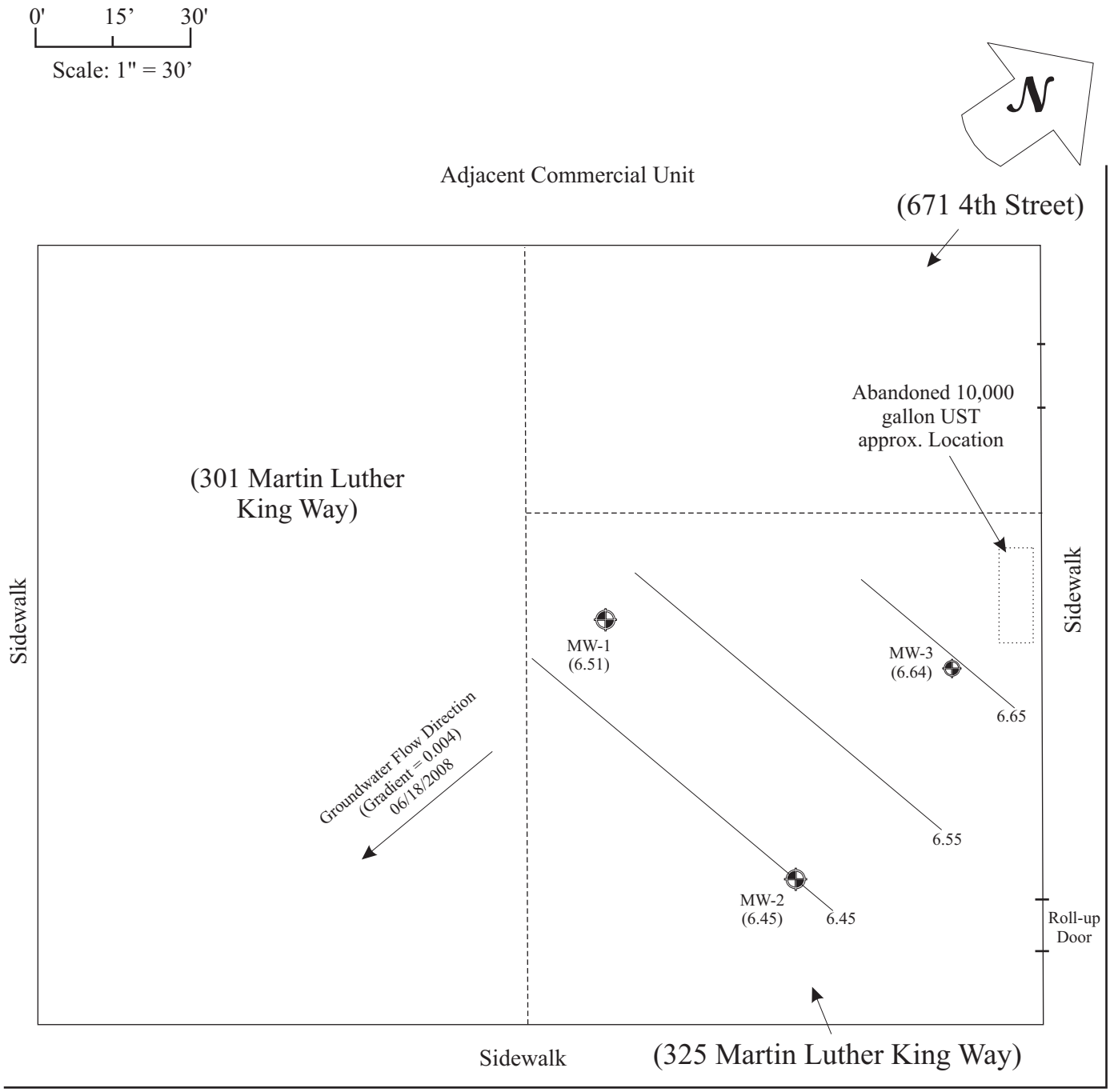


AEI CONSULTANTS
2500 CAMINO DIABLO, SUITE 200 WALNUT CREEK, CA

Site Plan

325 Martin Luther King Jr. Way
Oakland, California

FIGURE 2
PROJECT No . 270308



Monitoring Well Locations

MW-2 (6.49) Water table elevations shown in parentheses in feet ams (above mean sea level)

Contour Interval = 1.0 feet

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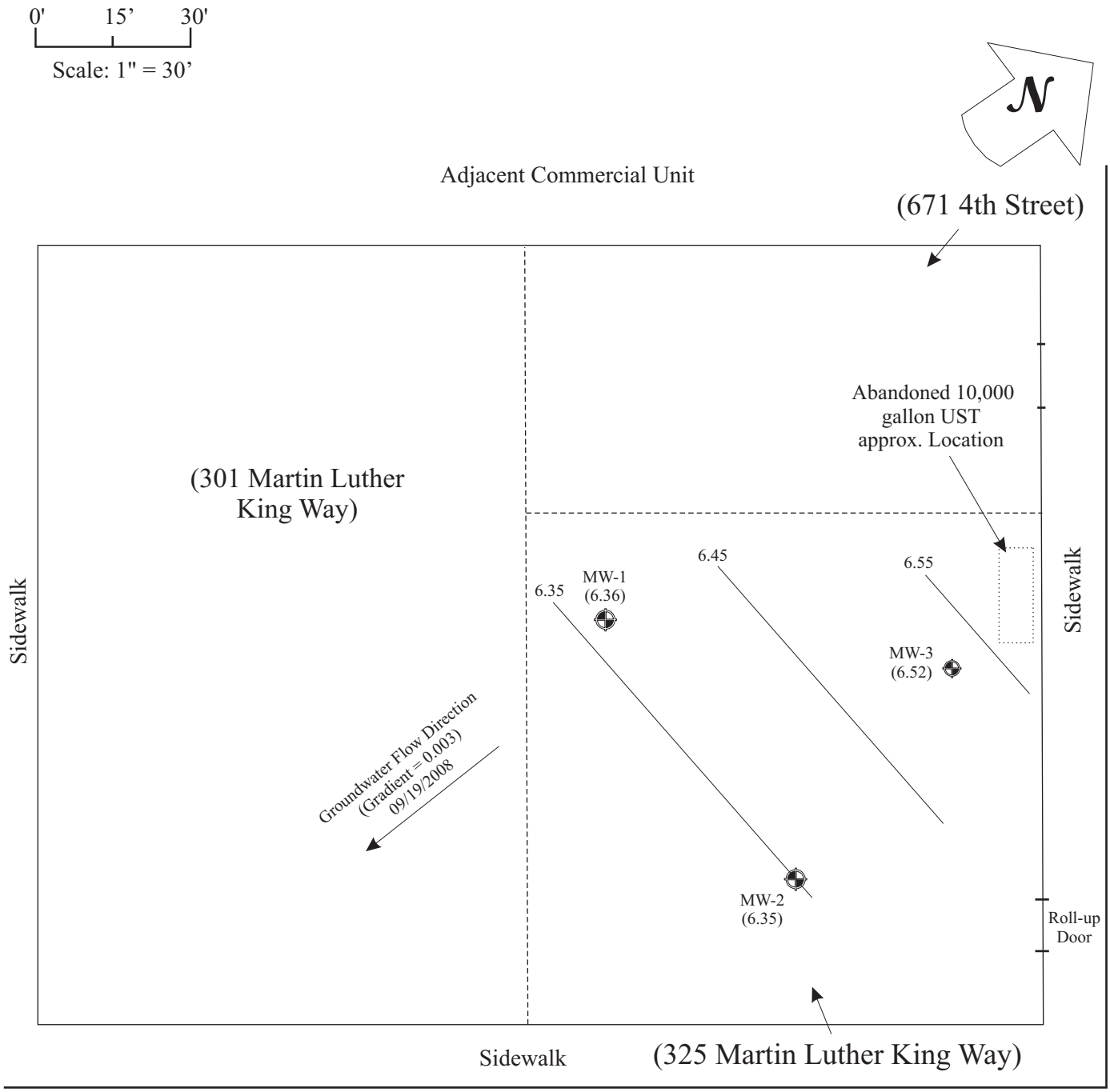
2500 CAMINO DIABLO, SUITE 200 WALNUT CREEK, CA

Water Table Elevations (6/18/08)

325 Martin Luther King Jr. Way
Oakland, California

FIGURE 3
PROJECT No . 270308



Monitoring Well Locations

MW-2 (6.49) Water table elevations shown in parentheses in feet ams (above mean sea level)

Contour Interval = 1.0 feet

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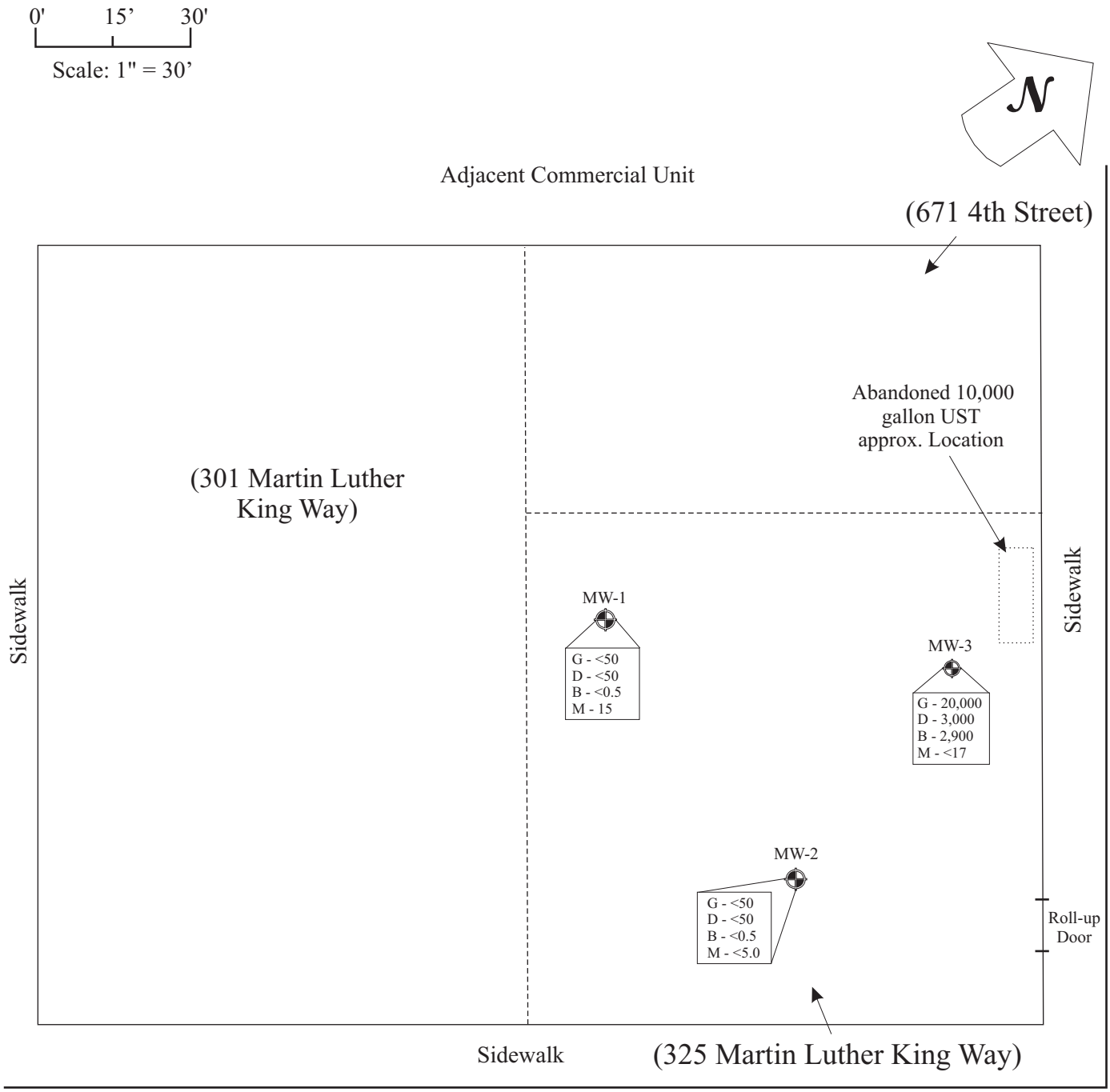
2500 CAMINO DIABLO, SUITE 200 WALNUT CREEK, CA

Water Table Elevations (9/19/08)

325 Martin Luther King Jr. Way
Oakland, California

FIGURE 4

PROJECT No . 270308



Monitoring Well Locations

Hydrocarbon concentrations expressed in ug/L
(Refer to Tables 3 & 4 for details)

G = total petroleum hydrocarbons as gasoline
D = total petroleum hydrocarbons as diesel
B = benzene
M = methyl tertiary butyl ether (MTBE)

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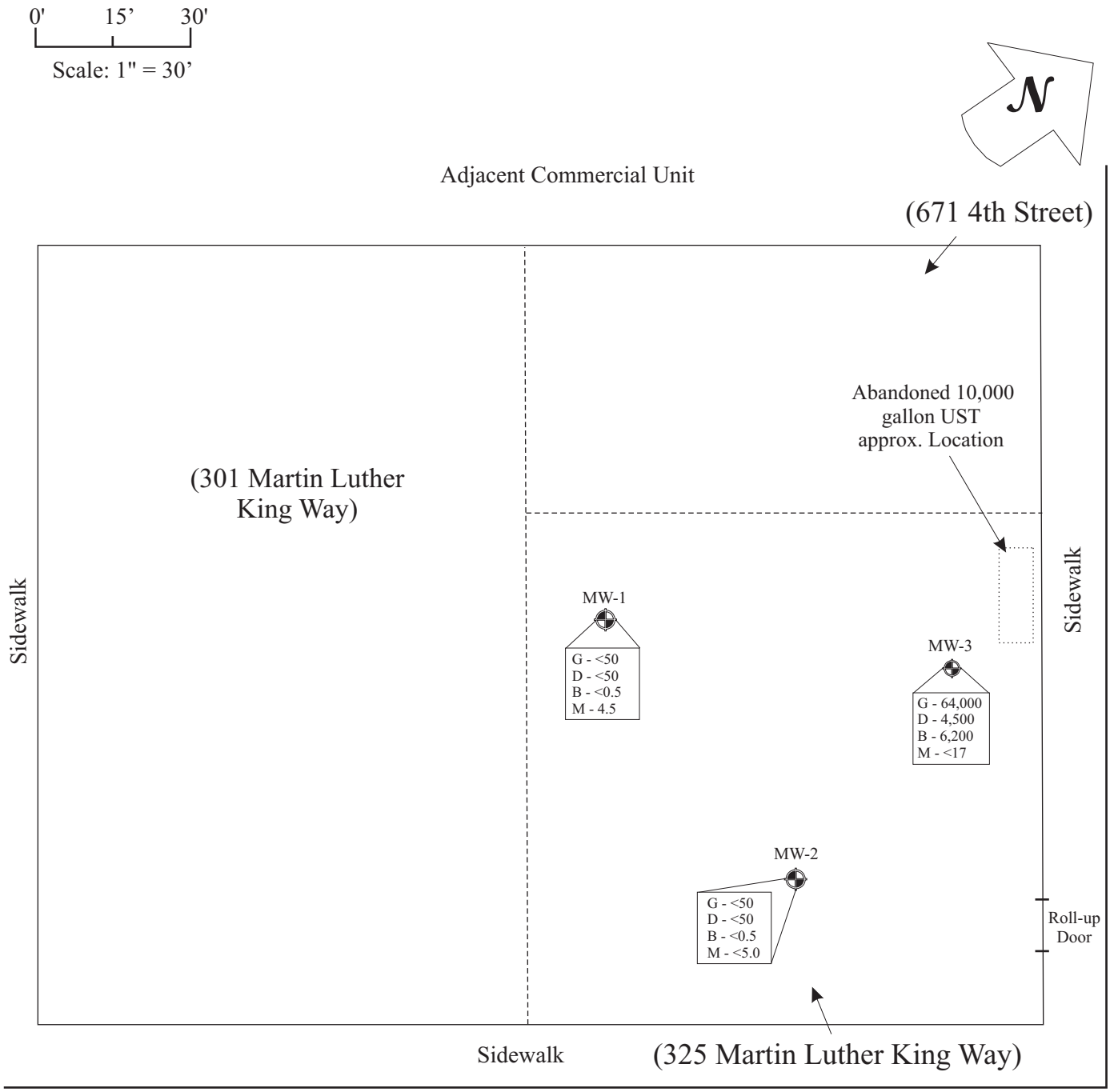
2500 CAMINO DIABLO, SUITE 200 WALNUT CREEK, CA

Dissolved Phase Hydrocarbon Concentrations (6/18/08)

325 Martin Luther King Jr. Way
Oakland, California

FIGURE 5

PROJECT No . 270308



Monitoring Well Locations

Hydrocarbon concentrations expressed in ug/L
(Refer to Tables 3 & 4 for details)

G = total petroleum hydrocarbons as gasoline
D = total petroleum hydrocarbons as diesel
B = benzene
M = methyl tertiary butyl ether (MTBE)

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2500 CAMINO DIABLO, SUITE 200 WALNUT CREEK, CA

Dissolved Phase Hydrocarbon Concentrations (9/19/08)

325 Martin Luther King Jr. Way
Oakland, California

FIGURE 6

PROJECT No . 270308

TABLES

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Table 1 - AEI Project # 270308
Monitoring Well Construction Details

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	14.92	18.0	8 - 18	0.010	7 - 18	# 2/12	7 - 8	0.75 - 7
MW-2	08/10/07	15.27	17.0	7 - 17	0.010	6 - 17	# 2/12	6 - 7	0.75 - 6
MW-3	08/10/07	15.26	18.0	8 - 18	0.010	7 - 18	# 2/12	7 - 8	0.75 - 7

Notes:
ft amsl = feet above mean sea level

Table 2 - AEI Project # 270308
Groundwater Elevation Data

Well ID (Screen Interval)	Date Collected	Well Elevation *(ft amsl)*	Depth to Water *(ft)*	Groundwater Elevation *(ft amsl)*
MW-1	8/21/2007	14.92	8.38	6.54
(8 - 18)	11/21/2007	14.92	8.37	6.55
	2/26/2008	14.92	7.98	6.94
	6/18/2008	**14.92**	**8.41**	**6.51**
	9/19/2008	**14.92**	**8.56**	**6.36**
MW-2	8/21/2007	15.27	8.78	6.49
(7 - 17)	11/21/2007	15.27	8.72	6.55
	2/26/2008	15.27	8.37	6.90
	6/18/2008	**15.27**	**8.82**	**6.45**
	9/19/2008	**15.27**	**8.92**	**6.35**
MW-3	8/21/2007	15.26	8.59	6.67
(8 - 18)	11/21/2007	15.26	8.55	6.71
	2/26/2008	15.26	8.11	7.15
	6/18/2008	**15.26**	**8.62**	**6.64**
	8/4/2008	**15.26**	**8.65**	**6.61**
	8/20/2008	**15.26**	**8.68**	**6.58**
	9/19/2008	**15.26**	**8.74**	**6.52**

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)**

ft amsl = feet above mean sea level
All water level depths are measured from the top of casing

Table 3 - AEI Project # 270308

Groundwater Monitoring Sample Analytical Data

Sample ID	Date	TPHg µg/L	TPHd µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L
MW-1	8/21/2007	<50	<50	15	<0.5	<0.5	<0.5	<0.5
	11/21/2007	<50	<50	12	<0.5	<0.5	<0.5	<0.5
	2/26/2008	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/18/2008	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
	9/19/2008	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-2	8/21/2007	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/21/2007	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	2/26/2008	<50	<50	-	<0.5	<0.5	<0.5	<0.5
	6/18/2008	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
	9/19/2008	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-3	8/21/2007	24,000	2,100	<180	2,600	3,500	450	2,400
	11/21/2007	36,000	3,800	<500	4,900	1,200	230	2,700
	2/26/2008	31,000	5,400	-	4,200	1,900	590	2,200
	6/18/2008	**20,000**	**3,000**	**-**	**2,900**	**1,100**	**390**	**990**
	8/4/2008	**110,000**	**27,000**	**-**	**5,900**	**9,000**	**76**	**8,100**
	8/20/2008	**120,000**	**6,500**	**-**	**8,900**	**18,000**	**930**	**12,000**
	9/19/2008	**64,000**	**4,500**	**-**	**6,200**	**9,200**	**660**	**6,600**

Notes:
TPHd = total petroleum hydrocarbons as diesel (C10-C23) using EPA Method 8015
TPHg = total petroleum hydrocarbons as gasoline (C6-C12) using EPA Method 8015
Benzene, toluene, ethylbenzene, and xylenes using EPA Method 8021B
MTBE = methyl-tertiary butyl ether using EPA Method 8021B
µg/L= micrograms per liter
ND<50 = non detect at respective reporting limit

Table 4 - AEI Project # 270308

Groundwater Monitoring Sample Analytical Data

Fuel Additives

Sample ID	Date	MTBE µg/L	TAME µg/L	TBA µg/L	DIPE µg/L	ETBE µg/L	Ethanol µg/L	Methanol µg/L	EDB µg/L	1,2-DCA µg/L
MW-1	8/21/2007	18	<0.5	<5.0	<0.5	<0.5	<50	<500	<0.5	5.2
	11/21/2007	-	-	-	-	-	-	-	-	-
	2/26/2008	16	-	-	-	-	-	-	<0.5	6.9
	6/18/2008	**15**	**-**	**-**	**-**	**-**	**-**	**-**	**<0.5**	**5.4**
	9/19/2008	**4.2**	**-**	**-**	**-**	**-**	**-**	**-**	**<0.5**	**6.8**
MW-2	8/21/2007	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500	<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**
MW-3	8/21/2007	<5.0	<5.0	<50	<5.0	<5.0	<500	<5000	34	140
	11/21/2007	-	-	-	-	-	-	-	-	-
	2/26/2008	<12	-	-	-	-	-	-	31	220
	6/18/2008	**<5.0**	**-**	**-**	**-**	**-**	**-**	**-**	**21**	**190**
	8/4/2008	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**220**	**410**
	8/20/2008	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**330**	**410**
	9/19/2008	**<17**	**-**	**-**	**-**	**-**	**-**	**-**	**160**	**320**

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
1,2-DCA - 1,2 - dichloroethane
EDB - 1,2 - dibromoethane
Fuel additives analysed by EPA Method 8260

Table 5 - AEI Project # 270308

Groundwater Monitoring Sample Analytical Data

Metals

Sample ID	Date	As µg/L	Ba µg/L	Cd µg/L	Cr (total) / Cr VI µg/L	Cu µg/L	Fe (total) µg/L	Pb µg/L	Se µg/L
MW-1	8/21/2007	-	-	-	-	-	-	<0.5	-
	6/18/2008*	0.83	17	<0.25	3.9 / 2.9	<5.0	<20	0.70	<0.5
MW-2	8/21/2007	-	-	-	-	-	-	<0.5	-
	6/18/2008*	0.90	16	<0.25	5.8 / 4.6	<5.0	56	<0.5	<0.5
MW-3	8/21/2007	-	-	-	-	-	-	8.6	-
	6/18/2008*	9.9	26	<0.25	<0.5 / <0.2	<5.0	3,700	4.3	<0.5
	8/4/2008	75	64	<0.25	120 / 130	45	-	30	14
	8/20/2008	77	42	<0.25	73 / 54	21	260	34	9.6
	9/19/2008	62	<50	<2.5	13 / 5.0	19	390	28	5.8

Notes:
µg/L= micrograms per liter
ND<50 = non detect at respective reporting limit
As - arsenic
Ba - barium
Cd - cadmium
Cr - chromium
Cr VI - hexavalent chromium
Cu - copper
Fe - iron
Pb - lead
Se - selenium
Hexavalent chromium analyzed by E218.6, all others by E200.8
*Sample for hexavalent chromium (E218.6) gathered on 6/19/08, others on 6/18/08

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:	6/18/2008
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)	8.41		
Water Elevation (feet above msl)	6.51		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.6**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	16.67	6.44	2,193	3.69	191.0	
	2	16.71	6.68	2,248	1.83	113.0	
	3	16.64	6.71	2,279	1.46	86.2	
	4	16.60	6.72	2,214	1.14	75.7	
	5	16.57	6.70	2,139	0.87	72.5	

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

No hydrocarbon odors notes.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	ALLEN	Date of Sampling:	6/18/2008
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)	8.82		
Water Elevation (feet above msl)	6.45		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.7**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	17.09	6.69	1,559	3.84	76.5	
	2	16.99	6.63	1,524	3.16	72.6	
	3	16.97	6.61	1,516	2.41	73.5	
	4	16.98	6.59	1,481	1.64	74.6	
	5	16.99	6.58	1,488	0.61	74.9	

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

No hydrocarbon odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	ALLEN	Date of Sampling:	6/18/2008
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)	8.62		
Water Elevation (feet above msl)	6.64		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.2**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially grey, clears quickly		
Free Product Present?	No	Thickness (ft):	NA

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	17.03	6.43	1,372	2.09	-81.7	
	2	16.98	6.35	1,371	1.62	-89.1	
	3	16.95	6.31	1,412	1.02	-92.3	
	4	16.89	6.31	1,422	0.71	-96.2	
	5	16.90	6.33	1,315	0.53	-97.5	

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	ALLEN	Date of Sampling:	8/4/2008
Job Number:	270308	Name of Sampler:	A Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland, Ca		

8/4/2008

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)	8.65		
Water Elevation (feet above msl)	6.61		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.2**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Yellowish brown		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	17.96	8.86	4,856	6.87	-52.1	
	2	18.09	9.23	4,256	6.24	-56.3	
	3	18.18	9.06	4,821	5.63	-51.2	
	4	17.98	9.56	5,187	4.62	-61.8	
	5	17.75	9.87	5,254	4.81	-65.3	

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	ALLEN	Date of Sampling:	8/20/2008
Job Number:	270308	Name of Sampler:	A Nieto
Project Address:	325 Martin Luther King Jr Way, Oakland, Ca		

8/4/2008

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)	8.68		
Water Elevation (feet above msl)	6.58		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.2**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Yellowish brown		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	17.96	8.86	4,856	5.98	-43.6	
	2	18.09	9.23	4,256	5.57	-48.5	
	3	18.18	9.06	4,821	5.83	-58.6	
	4	17.98	9.56	5,187	5.12	-51.9	
	5	17.75	9.87	5,254	5.02	-62.1	

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-1

Project Name:	ALLEN	Date of Sampling:	9/19/2008
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)	8.56		
Water Elevation (feet above msl)	6.36		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.8**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Clear		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	17.95	7.01	1,035	6.8	80.3	
	2	18.32	7.01	1,055	6.30	81.5	
	3	18.18	7.02	1,074	6.07	82.1	
	4	17.95	7.01	1,070	5.85	87.1	
	5	17.76	6.99	1,021	5.65	94.6	

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

Light brown with no hydrocarbon odors notes.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	ALLEN	Date of Sampling:	9/19/2008
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)	8.92		
Water Elevation (feet above msl)	6.35		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.7**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially light brown, clears after 1 gallon		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	18.29	7.33	847	4.1	60.3	
	2	18.67	7.15	874	3.85	69.3	
	3	18.51	7.12	866	3.73	72.5	
	4	18.28	7.12	828	3.57	72.4	
	5	18.11	7.12	833	3.66	72.8	

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

No hydrocarbon odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	ALLEN	Date of Sampling:	9/19/2008
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)	8.74		
Water Elevation (feet above msl)	6.52		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.3**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially yellowish brown, clears by 0.5 gallons		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µ sec/cm)	DO (mg/L)	ORP (meV)	Comments
	1	18.53	8.43	4,947	5.13	-56.9	
	2	18.81	8.44	5,027	4.34	-62.6	
	3	18.56	8.72	5,437	3.77	-66.6	
	4	18.41	8.95	5,891	3.62	-67.2	
	5	18.25	9.05	6,517	3.85	-68.7	

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

Strong petroleum odors noted.

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 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: # 270308; Allen	Date Sampled: 06/18/08
		Date Received: 06/18/08
	Client Contact: Adrian Angel	Date Reported: 06/23/08
	Client P.O.:	Date Completed: 06/20/08

WorkOrder: 0806502

June 23, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **# 270308; 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.

0806502

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

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: Adrian Angel Bill To: Same
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: aangel@aeiconsultants.com
Tel: (925) 944-2899, extension 132 Fax: (925) 944-2895
Project #: 270308 Project Name: Allen
Project Location: 325 Martin Luther King Jr. Way, Oakland, CA
Sampler Signature: [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)/MTBE	TPH multirange + Motor oil	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)	TPH-g + BTEX + diesel (8021/15)	Other: Diss. Arsenic, Barium, cadmium, total	Other: and ~~hexavalent~~ ~~chromium~~, copper,	Other: total iron, lead, selenium (~~2186~~ 200.8)	Other: MTBE, EDB, 1-2-DCA (8260)	Comments: 250-cc polybottles for metals were filtered in field w/ 0.45 micron filter / nitric acid preserved
MW-1		6/18/08	12:15	7	Plastic VOA	X					X				~~X~~	~~X~~													X	X	X	X	X	
MW-2		↓	11:45	↓	↓	X					X				~~X~~	~~X~~													X	X	X	X	X	
MW-3			11:20			X					X				~~X~~	~~X~~													X	X	X	X	X	

metals

CANCEL 2186 per Adrian. 6/18/08

Relinquished By:	Date:	Time:	Received By:
[signature]	6/18/08	4:30	K. Burks
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 17.6
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION				

APPROPRIATE CONTAINERS ✓
PERSERVED IN LAB ____

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0806502 **ClientCode: AEL**

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

Report to:
Adrian Angel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(408) 559-7600 FAX (408) 559-7601

Email: aangel@aeiconsultants.com
cc:
PO:
ProjectNo: # 270308; 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: **06/18/2008**
Date Printed: **06/18/2008**

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
0806502-001	MW-1	Water	6/18/2008 12:15	☐	D	A	C	C	A	B						
0806502-002	MW-2	Water	6/18/2008 12:15	☐	D	A	C	C		B						
0806502-003	MW-3	Water	6/18/2008 11:20	☐	D	A	C	C		B						

Test Legend:

1	5-OXYS_W	2	G-MBTEX_W	3	METALSMS_DISS	4	PRDISSOLVED	5	PREDF REPORT
6	TPH(D)_W	7		8		9		10	
11		12							

Prepared by: Kimberly Burks

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: **6/18/2008 4:17:17 PM**

Project Name: **# 270308; Allen**

Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0806502** 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:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☑	No ☐	NA ☐

** 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: # 270308; Allen	Date Sampled: 06/18/08
2500 Camino Diablo, Ste. #200		Date Received: 06/18/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 06/19/08-06/20/08
	Client P.O.:	Date Analyzed 06/19/08-06/20/08

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0806502

Lab ID	0806502-001D	0806502-002D	0806502-003D		Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3			
Matrix	W	W	W			
DF	1	1	10		S	W
Compound	**Concentration**				ug/kg	µg/L
1,2-Dibromoethane (EDB)	ND	ND	21		NA	0.5
1,2-Dichloroethane (1,2-DCA)	5.4	ND	190		NA	0.5
Methyl-t-butyl ether (MTBE)	15	ND	ND<5.0		NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	102	97			
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; 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

AEI Consultants	Client Project ID: # 270308; Allen	Date Sampled: 06/18/08
2500 Camino Diablo, Ste. #200		Date Received: 06/18/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 06/19/08-06/20/08
	Client P.O.:	Date Analyzed 06/19/08-06/20/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0806502

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	---	ND	ND	ND	ND	1	92
002A	MW-2	W	ND	---	ND	ND	ND	ND	1	93
003A	MW-3	W	20,000,d1	---	2900	1100	390	990	20	105

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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

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AEI Consultants	Client Project ID: # 270308; Allen	Date Sampled: 06/18/08
		Date Received: 06/18/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 06/18/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 06/19/08

Metals*

Extraction Method: E200.8 Analytical Method: E200.8 Work Order: 0806502

Lab ID	0806502-001C	0806502-002C	0806502-003C		Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3			
Matrix	Water	Water	Water			
DF	1	1	1			
Extraction Type	DISS.	DISS.	DISS.		S	W
Compound	**Concentration**				µg/kg	µg/L
Arsenic	0.83	0.90	9.9		NA	0.5
Barium	17	16	26		NA	5.0
Cadmium	ND	ND	ND		NA	0.25
Copper	ND	ND	ND		NA	0.5
Iron	ND	56	3700		NA	20
Lead	0.70	ND	4.3		NA	0.5
Selenium	ND	ND	ND		NA	0.5
Surrogate Recoveries (%)						
%SS:	N/A	N/A	N/A			
Comments						

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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AEI Consultants	Client Project ID: # 270308; Allen	Date Sampled: 06/18/08
2500 Camino Diablo, Ste. #200		Date Received: 06/18/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 06/18/08
	Client P.O.:	Date Analyzed 06/20/08

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C Analytical methods: SW8015C Work Order: 0806502

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0806502-001B	MW-1	W	ND	1	118
0806502-002B	MW-2	W	ND	1	120
0806502-003B	MW-3	W	3000,e4	1	119

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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

e4) gasoline range compounds are significant.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806502

EPA Method SW8015C **Extraction SW3510C** **BatchID: 36331** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	120	120	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	118	119	0.364	N/A	N/A	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 36331 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806502-001B	06/18/08 12:15 PM	06/18/08	06/20/08 7:00 AM	0806502-002B	06/18/08 12:15 PM	06/18/08	06/20/08 8:08 AM
0806502-003B	06/18/08 11:20 AM	06/18/08	06/20/08 9:17 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.

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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806502

EPA Method SW8260B **Extraction SW5030B** **BatchID: 36354** **Spiked Sample ID: 0806485-026B**

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	98	105	7.08	94.4	97.9	3.65	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	92.7	102	9.13	78.4	84.5	7.50	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	115	124	7.47	103	106	2.73	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	121	129	6.73	98.5	102	3.44	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	107	116	7.71	96.6	100	3.77	70 - 130	30	70 - 130	30
%SS1:	103	25	99	101	2.01	96	97	0.445	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 36354 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806502-001D	06/18/08 12:15 PM	06/19/08	06/19/08 10:41 PM	0806502-002D	06/18/08 12:15 PM	06/19/08	06/19/08 11:24 PM
0806502-003D	06/18/08 11:20 AM	06/20/08	06/20/08 12:06 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.

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.

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QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806502

EPA Method E200.8 **Extraction E200.8** **BatchID: 36364** **Spiked Sample ID: 0806516-001C**

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
Arsenic	1.4	10	103	105	2.12	97.5	95.5	2.09	70 - 130	20	80 - 120	20
Barium	110	100	93.2	97.4	2.08	94.2	92.3	2.07	70 - 130	20	80 - 120	20
Cadmium	ND	10	92.7	95.3	2.83	99	97.3	1.72	70 - 130	20	80 - 120	20
Copper	47	10	100	122	3.71	100	97.9	2.44	70 - 130	20	80 - 120	20
Iron	200	100	89.3	97.2	2.74	102	97.8	4.56	70 - 130	20	70 - 130	20
Lead	ND	10	95.4	97	1.58	95.9	94.4	1.49	70 - 130	20	80 - 120	20
Selenium	4.0	10	98.6	102	2.77	96.6	90.7	6.20	70 - 130	20	80 - 120	20
%SS:	100	750	98	101	2.25	97	97	0	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 36364 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806502-001C	06/18/08 12:15 PM	06/18/08	06/19/08 1:44 AM	0806502-002C	06/18/08 12:15 PM	06/18/08	06/19/08 1:53 AM
0806502-003C	06/18/08 11:20 AM	06/18/08	06/19/08 2:01 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 / 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 applicable to this method.

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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0806502

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 36353 Spiked Sample ID: 0806485-027A

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	101	100	1.19	98.3	96.4	1.95	70 - 130	20	70 - 130	20
MTBE	ND	10	113	105	7.84	110	111	0.781	70 - 130	20	70 - 130	20
Benzene	ND	10	107	105	1.76	103	99.4	3.20	70 - 130	20	70 - 130	20
Toluene	ND	10	96.6	96.6	0	92.2	89.6	2.95	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	107	107	0	102	98.9	3.09	70 - 130	20	70 - 130	20
Xylenes	ND	30	105	106	0.801	98.9	96.1	2.85	70 - 130	20	70 - 130	20
%SS:	102	10	97	98	0.656	98	98	0	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 36353 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806502-001A	06/18/08 12:15 PM	06/19/08	06/19/08 7:23 AM	0806502-002A	06/18/08 12:15 PM	06/19/08	06/19/08 7:57 AM
0806502-003A	06/18/08 11:20 AM	06/20/08	06/20/08 3:59 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.

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #27030; ALLEN, Martin Luther King Jr. Way Oakland	Date Sampled: 06/19/08
		Date Received: 06/19/08
	Client Contact: Adrian Angel	Date Reported: 06/24/08
	Client P.O.:	Date Completed: 06/23/08

WorkOrder: 0806551

June 24, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#27030; ALLEN, Martin Luther Kin**
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.

0806551

McCAMPBELL ANALYTICAL, INC.

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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: Adnan Angel Bill To: Same

Company: AES

E-Mail:

Tele: (800) 964-3224 Fax: (925) 944 2895

Project #: 270308 Project Name: ALLEN

Project Location: 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
MW-1		6/19/08		1	Plastic	X					X	~~X~~		
MW-2		"		1	"	X					X	~~X~~		
MW-3		"		1	"	X					X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: 2806	Comments
																X	.
																X	
																X	

Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	6/19/08	6:30	N. BURKA
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 4.0 ✓

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: 0806551 **ClientCode: AEL**

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

Report to:
Adrian Angel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(408) 559-7600 FAX (408) 559-7601

Email: aangel@aeiconsultants.com
cc:
PO:
ProjectNo: #27030; ALLEN, Martin Luther King Jr. Way Oakland

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

Requested TAT: 5 days

Date Received: **06/19/2008**
Date Printed: **06/19/2008**

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
0806551-001	MW-1	Water	6/19/2008	☐	A	A										
0806551-002	MW-2	Water	6/19/2008	☐	A											
0806551-003	MW-3	Water	6/19/2008	☐	A											

Test Legend:

1	218_6_W	2	PREDF REPORT	3		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.

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Sample Receipt Checklist

Client Name: **AEI Consultants** Date and Time Received: **6/19/08 6:55:30 PM**

Project Name: **#27030; ALLEN, Martin Luther King Jr. Way Oaklan** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0806551** 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°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

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

Client contacted: Date contacted: Contacted by:

Comments:

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #27030; ALLEN, Martin Luther King Jr. Way Oakland	Date Sampled: 06/19/08
		Date Received: 06/19/08
	Client Contact: Adrian Angel	Date Extracted: 06/19/08
	Client P.O.:	Date Analyzed 06/19/08

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 0806551

Lab ID	Client ID	Matrix	Hexachrome	DF
0806551-001A	MW-1	W	2.9	1
0806551-002A	MW-2	W	4.6	1
0806551-003A	MW-3	W	ND	1

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.2 µg/L	
	S	NA	

* water samples are reported in µg/L.

N/A means surrogate 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

AEI Consultants	Client Project ID: #27030; ALLEN, Martin Luther King Jr. Way Oakland	Date Sampled: 06/19/08
		Date Received: 06/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 07/03/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 07/09/08

Metals*

Extraction method E200.8 Analytical methods E200.8 Work Order: 0806551

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS
0806551-001A	MW-1	W	TOTAL	3.9	1	98
0806551-002A	MW-2	W	TOTAL	5.8	1	97
0806551-003A	MW-3	W	TOTAL	ND	1	95

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

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0806551

EPA Method E218.6	Extraction E218.6				BatchID: 36363				Spiked Sample ID: 0806496-001c			
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
Hexachrome	0.28	25	100	102	1.76	104	103	0.424	90 - 110	10	90 - 110	10

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 36363 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806551-001A	06/19/08	06/19/08	06/19/08 8:27 PM	0806551-002A	06/19/08	06/19/08	06/19/08 8:46 PM
0806551-003A	06/19/08	06/19/08	06/19/08 9:04 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.

DHS ELAP Certification 1644

QA/QC Officer

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"When Quality Counts"

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

AEI Consultants	Client Project ID: #270308; ALLEN	Date Sampled: 08/04/08
2500 Camino Diablo, Ste. #200		Date Received: 08/05/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Reported: 08/12/08
	Client P.O.:	Date Completed: 08/12/08

WorkOrder: 0808108

August 12, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#270308; 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.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
0808108
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) ❑

Report To: Marion Angel Bill To: Same

Company: AEI

E-Mail:

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

Project #: 270308 Project Name: ALLEN

Project Location: 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
+ MW-3		8/4/08	3:00	11	VOA/Glass	x					x	x		

Analysis Request	Other	Comments
MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)		Filter Samples for Metals analysis: Yes / No
MTBE / BTEX ONLY (EPA 602 / 8021)		
TPH as Diesel / Motor Oil (8015)		
Total Petroleum Oil & Grease (1664 / 5520 E/B&F)		
Total Petroleum Hydrocarbons (418.1)		
EPA 502.2 / 601 / 8010 / 8021 (HVOCs)		
EPA 505/ 608 / 8081 (Cl Pesticides)		
EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners		
EPA 507 / 8141 (NP Pesticides)		
EPA 515 / 8151 (Acidic Cl Herbicides)		
EPA 524.2 / 624 / 8260 (VOCs)		
EPA 525.2 / 625 / 8270 (SVOCs)		
EPA 8270 SIM / 8310 (PAHs / PNAs)		
CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)		
LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)		
Lead (200.7 / 200.8 / 6010 / 6020)		

Hold.

Relinquished By:	Date:	Time:	Received By:
	8/5	5:15	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 1.8

COMMENTS:

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

DECHLORINATED IN LAB NA

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB NA

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓		pH<2	

*off hold 8/5/08 per A.A.

AEI CONSULTANTS
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
PHONE: (925) 283-6000
(800) 801-3224
FAX: (925) 944-2895

Date: 8/5/08 Hard Copy Sent? Y ☐ N ☑

To: McCampbell

Phone:
Fax: (925) 252-9269

From: Adrian Angel in San Jose

Pages: 2 , including this cover page

Subject: 325 MLK Jr Way, Oakland

please analyze sample MW-3 for →

① TPH-g, TPH-d, BTEX (8021/8015)

② Dissolved arsenic, barium, cadmium, total chromium, Hexavalent chromium (E218.6), Copper, total lead, and Selenium by E 200.8.

③ MTBE, EDB, 1,2-DCA (8260)

Thanks!

Adrian

McCAMPBELL ANALYTICAL, INC.
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PITTSBURG, CA 94565-1701
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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)** ☐

Report To: Adrian Angel | Bill To: Same
Company: AEI
E-Mail:
Tele: (925) 944-2899 | Fax: (925) 944-2899
Project #: 270308 | Project Name: ALLEN
Project Location: Martin Luther King Jr way Oakland
Sampler Signature: [signature]

Analysis Request (columns):
1. MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)
2. MTBE / BTEX ONLY (EPA 602 / 8021)
3. TPH as Diesel / Motor Oil (8015)
4. Total Petroleum Oil & Grease (1664 / 5520 E/B&F)
5. Total Petroleum Hydrocarbons (418.1)
6. EPA 502.2 / 601 / 8010 / 8021 (HVOCs)
7. EPA 505/ 608 / 8081 (Cl Pesticides)
8. EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners
9. EPA 507 / 8141 (NP Pesticides)
10. EPA 515 / 8151 (Acidic Cl Herbicides)
11. [illegible] MTBE EDB 1,2 DCA (8260)
12. EPA 525.2 / 625 / 8270 (SVOCs)
13. EPA 8270 SIM / 8310 (PAHs / PNAs)
14. CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)
15. LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)
16. Lead (200.7 / 200.8 / 6010 / 6020)

Other: TPH-g, TPH-d, BTEX (8021/8015); Dissolved arsenic, barium, cadmium, total and Hexavalent chrom, copper, iron, lead, selenium

Comments: Filter Samples for Metals analysis: Yes / No — Sample filtered in field!

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		8/4/08	3:00	11	V/Plastic	X					X	X	X	

Relinquished By:	Date:	Time:	Received By:
[signature]	8/4/08	5:15	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 1.8
GOOD CONDITION ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ____
PRESERVED IN LAB ____

COMMENTS:

PRESERVATION VOAS O&G METALS OTHER
pH<2

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808108 **ClientCode: AEL**

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

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

Email: aangel@aeiconsultants.com
cc:
PO:
ProjectNo: #270308; 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: **08/05/2008**
Date Printed: **08/06/2008**

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
0808108-001	MW-3	Water	8/4/2008 15:00	☐	D	C	A	E	A	B						

Test Legend:

1	218_6_W	2	8260VOC_W	3	G-MBTEX_W	4	METALSMS_DISS	5	PREDF REPORT
6	TPH(D)_W	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: **8/5/2008 6:31:34 PM**

Project Name: **#270308; ALLEN**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0808108** 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: 1.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC 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: Samples were field filtered.

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AEI Consultants	Client Project ID: #270308; ALLEN	Date Sampled: 08/04/08
		Date Received: 08/05/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/06/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/06/08

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 0808108

Lab ID	Client ID	Matrix	Hexachrome	DF
0808108-001D	MW-3	W	130	10

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.2 µg/L	
	S	NA	

* water samples are reported in µg/L.

N/A means surrogate not applicable to this analysis; # surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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

AEI Consultants	Client Project ID: #270308; ALLEN	Date Sampled: 08/04/08
		Date Received: 08/05/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/08/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/08/08

Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0808108

					Reporting Limit for DF =1	
Lab ID	0808108-001C					
Client ID	MW-3					
Matrix	W					
DF	100				S	W
Compound	**Concentration**				ug/kg	µg/L
1,2-Dibromoethane (EDB)	220				NA	0.5
1,2-Dichloroethane (1,2-DCA)	410				NA	0.5
Methyl-t-butyl ether (MTBE)	ND<50				NA	0.5

Surrogate Recoveries (%)

%SS1:	97				
%SS2:	94				
%SS3:	98				
Comments					

* 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; 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

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

AEI Consultants	Client Project ID: #270308; ALLEN	Date Sampled: 08/04/08
		Date Received: 08/05/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/06/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/06/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0808108

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-3	W	110,000,d1	---	5900	9000	76	8100	50	106

Reporting Limit for DF =1; ND means not detected at or	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 and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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

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

AEI Consultants	Client Project ID: #270308; ALLEN	Date Sampled: 08/04/08
		Date Received: 08/05/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/05/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/09/08

Metals*

Extraction Method: E200.8 Analytical Method: E200.8 Work Order: 0808108

Lab ID	0808108-001E				Reporting Limit for DF =1		
Client ID	MW-3						
Matrix	Water						
DF	1						
Extraction Type	DISS.					S	W
Compound	**Concentration**					µg/kg	µg/L
Arsenic	75					NA	0.5
Barium	64					NA	5.0
Cadmium	ND					NA	0.25
Chromium	120					NA	0.5
Copper	45					NA	0.5
Lead	30					NA	0.5
Selenium	14					NA	0.5
Surrogate Recoveries (%)							
%SS:	N/A						
Comments							

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

Angela Rydelius, Lab Manager

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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: #270308; ALLEN	Date Sampled: 08/04/08
		Date Received: 08/05/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/05/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/06/08

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C Analytical methods: SW8015C Work Order: 0808108

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0808108-001B	MW-3	W	27,000,e4/e8	10	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

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

e4) gasoline range compounds are significant.; and/or e8) kerosene/kerosene range/jet fuel range

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37401 WorkOrder 0808108

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808111-009**

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	93.7	90.7	3.27	98.5	104	5.71	70 - 130	20	70 - 130	20
MTBE	ND	10	103	97.5	5.25	113	92.8	19.5	70 - 130	20	70 - 130	20
Benzene	ND	10	93.9	95.4	1.57	99.9	95.5	4.54	70 - 130	20	70 - 130	20
Toluene	ND	10	84.8	86.3	1.72	110	106	4.02	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	94.2	95.8	1.64	108	104	4.07	70 - 130	20	70 - 130	20
Xylenes	ND	30	93.9	94.4	0.465	118	115	3.31	70 - 130	20	70 - 130	20
%SS:	102	10	96	98	1.59	98	91	6.61	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 37401 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808108-001A	08/04/08 3:00 PM	08/06/08	08/06/08 5:21 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"

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

QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37409 WorkOrder 0808108

EPA Method E218.6 **Extraction E218.6** **Spiked Sample ID: 0808108-001d**

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
Hexachrome	130	25	94.8	99.2	0.715	95.6	94.5	1.14	90 - 110	10	90 - 110	10

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

BATCH 37409 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808108-001D	08/04/08 3:00 PM	08/06/08	08/06/08 9:00 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.

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 SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37408 WorkOrder: 0808108

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0808138-003K**

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	98.3	106	7.87	96.9	105	8.20	70 - 130	30	70 - 130	30
Benzene	ND	10	99.5	106	6.56	87	98.1	12.0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	105	101	4.12	93.5	96.2	2.84	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	98.5	107	8.60	85.9	98.8	14.0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	100	110	9.31	88.7	98	9.95	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	94.1	101	6.90	94.3	102	7.73	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	100	107	6.46	88.6	102	14.0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	104	111	6.77	95.6	106	10.6	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	103	111	7.31	98.5	108	9.16	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	105	114	8.24	93.8	100	6.64	70 - 130	30	70 - 130	30
Toluene	ND	10	99.7	106	6.53	84.6	97.6	14.3	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	108	116	6.85	89.2	101	12.1	70 - 130	30	70 - 130	30
%SS1:	106	25	92	93	1.03	97	98	0.0768	70 - 130	30	70 - 130	30
%SS2:	107	25	99	99	0	99	100	0.718	70 - 130	30	70 - 130	30
%SS3:	114	25	94	95	1.39	96	95	0.420	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 37408 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808108-001C	08/04/08 3:00 PM	08/08/08	08/08/08 12:32 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.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37344 WorkOrder 0808108

EPA Method SW8015C **Extraction SW3510C** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	120	120	0	N/A	N/A	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 37344 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808108-001B	08/04/08 3:00 PM	08/05/08	08/06/08 6:35 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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37405 WorkOrder 0808108

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0808104-004**

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
Arsenic	2.6	10	96.7	95.9	0.653	94.4	98	3.73	70 - 130	20	80 - 120	20
Barium	28	100	93.4	93	0.331	91.8	92.3	0.619	70 - 130	20	80 - 120	20
Cadmium	ND	10	91.9	92	0.0435	94.2	94.4	0.159	70 - 130	20	80 - 120	20
Chromium	0.58	10	101	101	0	105	106	0.857	70 - 130	20	80 - 120	20
Copper	2.11	10	94.5	95.3	0.690	96.7	100	3.80	70 - 130	20	80 - 120	20
Lead	ND	10	92.2	90.5	1.79	89.4	91.3	2.14	70 - 130	20	80 - 120	20
Selenium	ND	10	90.8	91.7	0.995	92.7	95.7	3.21	70 - 130	20	80 - 120	20
%SS:	87	750	89	88	0.963	88	88	0	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 37405 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808108-001E	08/04/08 3:00 PM	08/05/08	08/09/08 10:00 AM	0808108-001E	08/04/08 3:00 PM	08/05/08	08/09/08 10:09 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.

N/A = not applicable to this method.

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.

DHS ELAP Certification 1644

QA/QC Officer

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
	Client Contact: Adrian Angel	Date Reported: 08/27/08
	Client P.O.:	Date Completed: 08/27/08

WorkOrder: 0808586

August 27, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#270308; ALLEN, 235 Martin Luthe**
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.

0808586

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

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: Adrian Angel Bill To: Same
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: aangel@aeiconsultants.com
Tel: (925) 944-2899, extension 132 Fax: (925) 944-2895
Project #: 270308 Project Name: ALLEN
Project Location: 25 Martin Luther King Jr way, Oakland.
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) per A.A.	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
(X) MW-3		8/20/08	11:00	9	plastic VOC	X									X	X													X	X			Poly bottles filtered on field all

Relinquished By: Date: 8/20 Time: 1557 Received By:
Relinquished By: Date: Time: Received By:
Relinquished By: Date: Time: Received By:

ICE/t° 5 4
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB PERSERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER
APPROPRIATE ✓				
CONTAINERS				

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0808586 **ClientCode: AEL**

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

Report to:
Adrian Angel
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

(925) 283-6000 FAX (925) 283-6121

Email: aangel@aeiconsultants.com
cc:
PO:
ProjectNo: #270308; ALLEN, 235 Martin Luther King Jr Way,

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

dmockel@aeiconsultants.com

Requested TAT: 5 days

Date Received: **08/20/2008**
Date Printed: **08/21/2008**

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
0808586-001	MW-3	Water	8/20/2008 13:00	☐	C	E	A	D	A	B						

Test Legend:

1	218_6_W	2	5-OXYS+PBSCV_W	3	G-MBTEX_W	4	METALSMS_DISS	5	PREDF REPORT
6	TPH(D)WSG_W	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.

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Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received: **08/20/08 5:07:35 PM**

Project Name: **#270308; ALLEN, 235 Martin Luther King Jr Way,**
Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0808586** 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 ☐	
TTLC 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: pH had to be adjusted for metals

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AEI Consultants	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/20/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/20/08

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 0808586

Lab ID	Client ID	Matrix	Hexachrome	DF
0808586-001C	MW-3	W	54	20

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.2 µg/L	
	S	NA	

* water samples are reported in µg/L.

N/A means surrogate not applicable to this analysis; # surrogate diluted out of range or surrogate coelutes with another peak.

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Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/22/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/22/08

1,2-Dibromoethane; 1,2-Dichloroethane & Methyl-t-butyl ether by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0808586

					Reporting Limit for DF =1	
Lab ID	0808586-001E					
Client ID	MW-3					
Matrix	W					
DF	100				S	W
Compound	**Concentration**				ug/kg	µg/L
1,2-Dibromoethane (EDB)	330				NA	0.5
1,2-Dichloroethane (1,2-DCA)	410				NA	0.5
Methyl-t-butyl ether (MTBE)	ND<50				NA	0.5
Surrogate Recoveries (%)						
%SS1:	87					
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; 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.

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Angela Rydelius, Lab Manager

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

AEI Consultants	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/22/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/22/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0808586

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-3	W	120,000,d1	---	8900	18,000	930	12,000	50	103

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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

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Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/20/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/27/08

Metals*

Extraction Method: E200.8 Analytical Method: E200.8 Work Order: 0808586

Lab ID	0808586-001D				Reporting Limit for DF =1		
Client ID	MW-3						
Matrix	Water						
DF	1						
Extraction Type	DISS.					S	W
Compound	**Concentration**					µg/kg	µg/L
Arsenic	77					NA	0.5
Barium	42					NA	5.0
Cadmium	ND					NA	0.25
Chromium	73					NA	0.5
Copper	21					NA	0.5
Iron	260					NA	20
Lead	34					NA	0.5
Selenium	9.6					NA	0.5
Surrogate Recoveries (%)							
%SS:	N/A						
Comments							

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #270308; ALLEN, 235 Martin Luther King Jr Way,	Date Sampled: 08/20/08
		Date Received: 08/20/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 08/20/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 08/22/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method SW3510C/3630C Analytical methods: SW8015C Work Order: 0808586

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0808586-001B	MW-3	W	6500,e4	5	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/matrix interference.

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

e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37730 WorkOrder 0808586

EPA Method E218.6 **Extraction E218.6** **Spiked Sample ID: 0808586-001c**

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
Hexachrome	54	25	105	108	0.998	103	106	2.75	90 - 110	10	90 - 110	10

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

BATCH 37730 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808586-001C	08/20/08 1:00 PM	08/20/08	08/20/08 8:48 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.

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 SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37704 WorkOrder: 0808586

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0808634-001A**

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	109	112	2.67	110	112	1.21	70 - 130	30	70 - 130	30
Benzene	ND	10	101	104	2.64	111	113	2.27	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	101	103	2.38	109	110	0.168	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	111	113	1.84	107	109	2.26	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	95	98.9	4.02	118	119	0.379	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	95.2	99.6	4.51	118	120	1.55	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	104	107	2.66	127	128	1.32	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	108	112	3.03	109	109	0	70 - 130	30	70 - 130	30
Toluene	ND	10	105	108	2.05	104	106	1.60	70 - 130	30	70 - 130	30
%SS1:	97	25	94	93	1.28	97	97	0	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 37704 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808586-001E	08/20/08 1:00 PM	08/22/08	08/22/08 2:51 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.

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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37700 WorkOrder 0808586

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0808547-003**

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	93.6	88.1	6.01	88.3	86.9	1.61	70 - 130	20	70 - 130	20
MTBE	ND	10	95	101	6.62	89.7	109	19.4	70 - 130	20	70 - 130	20
Benzene	ND	10	90.1	89.6	0.485	86.6	73.4	16.5	70 - 130	20	70 - 130	20
Toluene	ND	10	87.2	86.2	1.13	85.6	80.5	6.21	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	94.2	92.8	1.50	89.5	96.5	7.49	70 - 130	20	70 - 130	20
Xylenes	ND	30	106	103	2.37	100	107	6.57	70 - 130	20	70 - 130	20
%SS:	95	10	95	97	2.77	95	99	3.61	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 37700 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808586-001A	08/20/08 1:00 PM	08/22/08	08/22/08 10:32 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.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37673 WorkOrder 0808586

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0808504-003**

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
Arsenic	59	10	NR	NR	NR	91.7	96	4.56	70 - 130	20	80 - 120	20
Barium	5600	100	NR	NR	NR	95.8	95.5	0.345	70 - 130	20	80 - 120	20
Cadmium	2.3	10	83.8	85.2	1.30	97.2	95.9	1.40	70 - 130	20	80 - 120	20
Chromium	1000	10	NR	NR	NR	102	103	1.25	70 - 130	20	80 - 120	20
Copper	610	10	NR	NR	NR	93.8	95.1	1.46	70 - 130	20	80 - 120	20
Iron	610,000	100	NR	NR	NR	112	113	0.267	70 - 130	20	70 - 130	20
Lead	140	10	NR	NR	NR	92.3	93	0.777	70 - 130	20	80 - 120	20
Selenium	1.6	10	113	108	3.78	98.7	94.4	4.41	70 - 130	20	80 - 120	20
%SS:	104	750	105	104	1.39	97	98	1.48	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 37673 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808586-001D	08/20/08 1:00 PM	08/20/08	08/27/08 10:15 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.

N/A = not applicable to this method.

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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 37729 WorkOrder 0808586

EPA Method SW8015C **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	104	104	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	118	117	0.241	N/A	N/A	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 37729 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0808586-001B	08/20/08 1:00 PM	08/20/08	08/22/08 9:18 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.

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.

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AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
2500 Camino Diablo, Ste. #200		Date Received: 09/19/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Reported: 09/26/08
	Client P.O.:	Date Completed: 09/24/08

WorkOrder: 0809622

September 26, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **3** 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.

0809622

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

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: Adrian Angel	Bill To: Same
Company: AEI Consultants	
2500 Camino Diablo, Suite 200	
Walnut Creek, CA 94597	E-Mail: aangel@aeiconsultants.com
Tel: (925) 944-2899, extension 132	Fax: (925) 944-2895
Project #: 277915	Project Name: ALLEN
Project Location: Martin Luther King Jr. Oakland	
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)	Arsenic, Barium, Cadmium, Total Chromium, Copper, total Iron, Lead, Selenium (E200.8)	MTBE, EDB, and 1,2-DCA (8260)	TPH-g (TO-3) + MBTEX (TO-15)	2-propanol (TO-15)	Comments
+1 MW-3		9/19	1:15	9	ML Plas	X					X	X			X	X													X	X				
+1 MW-2		"	12:15	11	"	X					X	X			X	X														X				
+ MW-1		"	11:35	4	"	X					X	X			X	X														X				

* See attached

Relinquished By:	Date:	Time:	Received By:
	9/19	1729	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t: yes 3.1 °C
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB N/A

PRESERVATION APPROPRIATE CONTAINERS ✓	VOAS	O&G	METALS	OTHER
PERSERVED IN LAB No				

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809622 **ClientCode: AEL**

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

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

Email: aangel@aeiconsultants.com
cc:
PO:
ProjectNo: #277915; 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: **09/19/2008**
Date Printed: **09/22/2008**

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
0809622-001	MW-3	Water	9/19/2008 13:15	☐	E	C	B	D	D	A						
0809622-002	MW-2	Water	9/19/2008 12:15	☐		C	B			A						
0809622-003	MW-1	Water	9/19/2008 11:35	☐		C	B			A						

Test Legend:

1	218_6_W	2	8260VOC_W	3	G-MBTEX_W	4	METALSMS_DISS	5	PRDISSOLVED
6	TPH(D)WSG_W	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: **9/19/2008 8:21:33 PM**

Project Name: **#277915; Allen**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0809622** 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: 3.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC 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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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
		Date Received: 09/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 09/19/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed: 09/19/08

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 0809622

Lab ID	Client ID	Matrix	Hexachrome	DF
0809622-001E	MW-3	W	5.0,b1	10

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.2 µg/L	
	S	NA	

* water samples are reported in µg/L.

N/A means surrogate not applicable to this analysis; # surrogate diluted out of range or surrogate coelutes with another peak.

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
		Date Received: 09/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 09/22/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 09/22/08

Volatile Organics by P&T and GC/MS*

Extraction method SW5030B Analytical methods SW8260B Work Order: 0809622

Lab ID	Client ID	Matrix	1,2-Dibromoethane (EDB)	1,2-Dichloroethane (1,2-DCA)	Methyl-t-butyl ether (MTBE)	DF	% SS
001C	MW-3	W	160,b1	320	ND<17	33	92
002C	MW-2	W	ND,b1	ND	ND	1	98
003C	MW-1	W	ND	6.8	4.2	1	99

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

* 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; N/A means analyte not applicable to this analysis.

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

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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

AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
		Date Received: 09/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 09/22/08-09/23/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 09/22/08-09/23/08

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0809622

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001B	MW-3	W	64,000,d1,b1	ND<500	6200	9200	660	6600	100	98
002B	MW-2	W	ND,b1	ND	ND	ND	ND	ND	1	95
003B	MW-1	W	ND	ND	ND	ND	ND	ND	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	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 and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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

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AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
		Date Received: 09/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 09/19/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 09/24/08

Metals*

Extraction Method: E200.8 Analytical Method: E200.8 Work Order: 0809622

Lab ID	0809622-001D				Reporting Limit for DF =1		
Client ID	MW-3						
Matrix	Water						
DF	10						
Extraction Type	DISS.					S	W
Compound	**Concentration**					µg/kg	µg/L
Arsenic	62					NA	0.5
Barium	ND<50					NA	5.0
Cadmium	ND<2.5					NA	0.25
Chromium	13					NA	0.5
Copper	19					NA	0.5
Iron	390					NA	20
Lead	28					NA	0.5
Selenium	5.8					NA	0.5
Surrogate Recoveries (%)							
%SS:	N/A						
Comments	a1,b1						

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

a1) sample diluted due to matrix interference
b1) aqueous sample that contains greater than ~1 vol. % sediment

Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #277915; Allen	Date Sampled: 09/19/08
		Date Received: 09/19/08
2500 Camino Diablo, Ste. #200	Client Contact: Adrian Angel	Date Extracted: 09/22/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 09/23/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0809622

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0809622-001A	MW-3	W	4500,e4,b1	1	109
0809622-002A	MW-2	W	ND,b1	1	109
0809622-003A	MW-1	W	ND	1	111

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/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
e4) gasoline range compounds are significant.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38311 WorkOrder: 0809622

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809593-004C**

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	102	104	1.55	102	105	2.84	70 - 130	30	70 - 130	30
Benzene	ND	10	106	105	1.18	108	108	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	96.9	105	7.94	96	100	4.57	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	95.5	96	0.486	99.6	102	1.91	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	97.8	101	3.09	102	107	3.92	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	107	108	0.733	109	111	2.18	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	82.8	81.2	2.00	87.4	87.1	0.322	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	111	110	1.06	102	103	1.76	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	118	117	0.717	115	116	1.11	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	106	106	0	104	107	2.63	70 - 130	30	70 - 130	30
Toluene	ND	10	106	104	1.80	98.1	98.8	0.780	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	100	98.2	1.87	112	111	0.336	70 - 130	30	70 - 130	30
%SS1:	94	25	100	100	0	91	92	1.23	70 - 130	30	70 - 130	30
%SS2:	94	25	98	98	0	94	94	0	70 - 130	30	70 - 130	30
%SS3:	102	2.5	118	112	5.48	97	97	0	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 38311 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-001C	09/19/08 1:15 PM	09/22/08	09/22/08 8:53 PM	0809622-002C	09/19/08 12:15 PM	09/22/08	09/22/08 6:00 PM
0809622-003C	09/19/08 11:35 AM	09/22/08	09/22/08 6:42 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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38316 WorkOrder: 0809622

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809543-001K**

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	117	124	5.72	108	112	3.82	70 - 130	20	70 - 130	20
MTBE	ND	10	102	105	3.08	84.8	87.1	2.73	70 - 130	20	70 - 130	20
Benzene	ND	10	99.8	96.4	3.48	87.6	91.7	4.60	70 - 130	20	70 - 130	20
Toluene	ND	10	115	116	0.436	86.7	90.8	4.67	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	113	108	4.43	88.7	93.7	5.46	70 - 130	20	70 - 130	20
Xylenes	ND	30	123	113	8.04	89.2	91.9	2.94	70 - 130	20	70 - 130	20
%SS:	92	10	99	101	1.38	97	99	2.48	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 38316 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-002B	09/19/08 12:15 PM	09/23/08	09/23/08 3:39 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.

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QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38335 WorkOrder: 0809622

EPA Method E218.6 **Extraction E218.6** **Spiked Sample ID: 0809553-001b**

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
Hexachrome	ND	25	97.4	96.5	0.949	93.4	93.5	0.171	90 - 110	10	90 - 110	10

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

BATCH 38335 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-001E	09/19/08 1:15 PM	09/19/08	09/19/08 9:46 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38362 WorkOrder: 0809622

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809595-001A**

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	109	106	3.39	99.5	101	1.31	70 - 130	20	70 - 130	20
MTBE	ND	10	90.9	94.8	4.17	106	103	2.75	70 - 130	20	70 - 130	20
Benzene	ND	10	97.9	97.5	0.448	99.5	100	1.01	70 - 130	20	70 - 130	20
Toluene	ND	10	99.9	99.5	0.390	99.7	101	1.11	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	102	98.4	3.11	105	107	1.96	70 - 130	20	70 - 130	20
Xylenes	ND	30	102	97.7	3.90	117	119	1.99	70 - 130	20	70 - 130	20
%SS:	95	10	109	112	2.57	94	95	0.511	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 38362 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-001B	09/19/08 1:15 PM	09/22/08	09/22/08 7:53 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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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38375 WorkOrder: 0809622

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809623-004A**

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	103	98	5.02	96.8	102	5.30	70 - 130	20	70 - 130	20
MTBE	ND	10	109	101	7.40	100	103	2.74	70 - 130	20	70 - 130	20
Benzene	ND	10	96.7	97.2	0.462	96	98.1	2.13	70 - 130	20	70 - 130	20
Toluene	ND	10	97.8	97.6	0.219	93.7	96.6	3.03	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	104	103	0.856	102	105	3.75	70 - 130	20	70 - 130	20
Xylenes	ND	30	116	114	1.24	113	118	3.61	70 - 130	20	70 - 130	20
%SS:	104	10	94	96	1.58	96	95	1.17	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 38375 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-003B	09/19/08 11:35 AM	09/23/08	09/23/08 3:05 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.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38349 WorkOrder 0809622

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0809588-001A**

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
Arsenic	0.75	10	104	103	0.990	101	100	0.991	70 - 130	20	80 - 120	20
Barium	45	100	100	96.1	2.93	96.2	93.8	2.54	70 - 130	20	80 - 120	20
Cadmium	ND	10	104	99.5	4.26	101	98.8	1.82	70 - 130	20	80 - 120	20
Chromium	ND	10	111	110	1.50	109	110	0.641	70 - 130	20	80 - 120	20
Copper	320	10	NR	NR	NR	97.3	95.1	2.27	70 - 130	20	80 - 120	20
Iron	66	100	72.1	84.7	8.76	114	114	0	70 - 130	20	70 - 130	20
Lead	17	10	103	94.7	3.17	98.2	95.8	2.49	70 - 130	20	80 - 120	20
Selenium	ND	10	109	104	4.80	106	105	1.71	70 - 130	20	80 - 120	20
%SS:	96	750	97	95	2.30	94	91	3.12	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 38349 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-001D	09/19/08 1:15 PM	09/19/08	09/24/08 1:42 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.

N/A = not applicable to this method.

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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38363 WorkOrder: 0809622

EPA Method SW8015C **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	89.6	90.7	1.16	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	83	84	1.78	N/A	N/A	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 38363 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809622-001A	09/19/08 1:15 PM	09/22/08	09/23/08 12:16 AM	0809622-002A	09/19/08 12:15 PM	09/22/08	09/23/08 1:25 AM
0809622-003A	09/19/08 11:35 AM	09/22/08	09/23/08 2:33 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.

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.

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