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10:57 am, Jul 08, 2008
Alameda County
Environmental Health

July 2, 2008

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Groundwater and Soil Vapor Sampling Report**
625 Hegenberger Road
Oakland, California
AEI Project No. 277254
ACHCSA Case No. RO0000226

Dear Mr. Wickham:

Enclosed is a copy of the recently completed *Groundwater and Soil Vapor Sampling Report* regarding the above referenced property.

As required, a copy of this report and EDFs are currently being uploaded to the State Water Regional Control Board (SWRCB) Geotracker Database.

If you have any question or comments on the scope, please contact Peter McIntyre or myself anytime. He can be reached at 800/801-3224, extension 104 or at pmcintyre@aeiconsultants.com.

Sincerely,
AEI Consultants

Leah Goldberg
Staff Geologist

June 30, 2008

GROUNDWATER AND SOIL VAPOR SAMPLING REPORT

625 Hegenberger Road
Oakland, California

AEI Project No. 277254

Prepared For

Diversified Investment and Management Corporation
400 Oyster Point Boulevard
South San Francisco, CA 94080

Prepared By

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
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AEI

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1.0 INTRODUCTION

AEI Consultants (AEI) has prepared this report on behalf of the Diversified Investment & Management Corporation (Diversified) for the property located at 625 Hegenberger Road in the City of Oakland, California (refer to Figures 1 and 2). AEI has been retained by Diversified to provide environmental engineering and consulting services related to the release of fuel hydrocarbons from the former underground storage tank (UST) system at the property. The Alameda County Environmental Health (ACEH) is the lead local oversight agency for this site, working under cooperative agreement with the San Francisco Bay Regional Water Quality Control Board (RWQCB), and providing regulatory guidance during the mitigation of the release.

In a letter dated March 12, 2008, the ACEH required several additional site assessment and reporting tasks in order to consider this site for closure, including soil vapor sampling, groundwater sampling of the existing wells, and reporting of findings. A workplan was dated March 28, 2008 was submitted to ACEH which outlined the soil vapor and groundwater sampling. The workplan was approved with the condition that several additional soil gas probes be installed and additional analyses of groundwater be performed. These revisions were agreeable and incorporated into the scope of work implemented at the site.

This report presents the methods and findings of the soil vapor and groundwater sample analyses performed in May 2008. Based on the results of these analyses, the residual petroleum impact at the site is minimal and that case closure should be granted for the site.

2.0 SITE DESCRIPTION AND BACKGROUND SUMMARY

The site is located on the northwestern corner of Collins Drive and Hegenberger Road in a commercial and light industrial area of the City of Oakland. The site is currently vacant and unimproved but will be developed in the coming months with a commercial center.

The property was reportedly developed as a gasoline service station in the mid 1960s, which was subsequently abandoned in the mid 1970s. A release was discovered at the site and beginning in 1993, the fuel system and tanks were removed and site investigation, groundwater monitoring, and remedial action began. In 1996 soil was excavated and treated onsite and from 2000 to 2002 *in situ* bio-remediation conducted. A more detailed history of the site has been presented in several past reports, the most recent of which was the March 28, 2003 *Risk Evaluation and Closure Report* to which the reader is referred for additional information on previous analytical results, monitoring data, and site geology.

3.0 SOIL VAPOR SAMPLING

Soil vapor sampling was requested by the ACEH to evaluate the site the possibility vapor intrusion at the future development. A total of nine soil gas probes (labeled SG-1 to SG-9) were drilled in the areas requested by ACEH. The methods for probe installation, purging, leak testing, sampling,

and analyses were outlined in the workplan and implemented in general accordance with the "*Advisory – Active Soil Gas Investigations"* (ASGI), dated January 28, 2003.

3.1 Temporary Soil Gas Probe Installation

Due to the shallow depth to groundwater at this site of approximately 5 to 6 feet bgs and the low flow conditions at the standard target depth of 5 feet up to approximately 3 feet in all of the probe locations, the probes were set to a depth between 1 and 2.5 feet bgs. The soil probes consist of 1 ¼-inch outside diameter (OD) Geoprobe® rods with a sacrificial tip and a soil vapor tip that allows for attachment of 1/4 –inch OD, 1/8-inch inside diameter (ID) tubing though the inside of the rod for collection of the soil vapor sample. The rods were manually driven using roto-hammer type of impact hammer.

Following emplacement of the rod at the desired depth, the rod was pulled back approximately 6-inches creating a void space from which the soil vapor can be collected. The collection tube which has a threaded tip on the lower end and a valve on the top end was extended down through the inside of the tubing and screwed into the tip of the rod. The rod was then sealed at the surface with hydrated bentonite.

3.2 Sample Collection

Three (3) volumes of dead air were purged from the sample tubing using a 30 to 60 milliliter (mL) plastic syringe before collecting a soil gas sample. After the probe was purged, samples will be collected into 6-liter laboratory prepared Summa™ canisters. The sampling manifold included a critical orifice flow regulator and down-hole pressure (vacuum) gage. The critical orifice device maintained a sampling flow rate of between approximately 100 to 200 milliliters per minute (mL/min).

A leak test was performed on each of the gas probes during the soil gas sampling. A leak test dome was placed over the sampling probe at the surface. A rag moistened with 1,1 difluouroethane was placed under the dome. This tracer compound is not suspected to be present in gasoline. The diction limit for the leak check compounds was set at ≤10 micrograms per liter of air (µg/L) in accordance with DTSC guidance.

3.3 Sample Analyses

The nine canisters were delivered on May 15, 2008 to McCampbell Analytical, Inc. of Pittsburg, California (DHS No. 1644) under proper chain of custody protocol. The soil gas samples were analyzed for TPH-g by EPA Method TO-3 and for MTBE, BTEX and leak check compound by EPA Method TO-15. A copy of the laboratory analytical report is included in Appendix B.

4.0 GROUNDWATER SAMPLING

4.1 Groundwater Monitoring and Sampling

The wells were sampled on May 8 with the exception of MW-11 which was sampled on May 14 once it was located. Prior to measurement of depth to groundwater, the well caps were removed and the water levels allowed to equilibrate with the atmosphere for 20 minutes. The depth to groundwater from the top of the each well casing will then be measured with an electric water level indicator prior to sampling.

Each well was purged with a submersible purge pump of at least three well volumes prior to sample collection. During purging the following water quality measurements were measured using a flow-though cell and recorded: temperature, pH, specific conductivity, and dissolved oxygen (DO). A visual evaluation of turbidity was noted. Field measurements are recorded on the field sampling forms in Appendix A.

Following purging and recovery of water levels, groundwater samples were collected with new, unused disposable bailers into appropriate laboratory-supplied containers: 40 milliliter volatile organic vials (VOAs). The VOAs were capped with zero visible headspace or visible air bubbles. All samples were labeled with at minimum, project number, sample number, time, date, and sampler's name and entered into chain-of-custody. The samples were bagged and placed on water ice in a pre-chilled cooler pending transportation under chain of custody protocols to McCampbell Analytical, Inc.

A monitoring well survey was conducted on June 11, 2008 to update the well elevations for GeoTracker database entry. The survey was conducted by Morrow Surveying, Inc (CA #LS5161). See Table 1 for updated well elevation data. Copies of the survey maps are included in Appendix C.

4.2 Sample Analyses

The seven groundwater samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline (TPH-g) by EPA method 8015Cm; Benzene, toluene, ethyl benzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA method 8021; and by EPA method 8260 for fuel additives, BTEX, and halogenated VOCs.

5.0 FINDINGS

Soil vapor sample analytical data is included in Table 3. The results are compared to the RWQCB Environmental Screening Levels (ESLs) for shallow soil gas under both residential and commercial/industrial land use scenarios.

No TPH-g, Ethylbenzene, or MTBE was detected in any of the nine soil gas samples. Toluene, benzene and xylenes were detected in up to four of the samples. The concentrations detected are below all ESL values for both land use scenarios.

Water level measurements are included in Table 1 and are plotted on Figure 3. Based on these measurements, groundwater beneath the site generally flows in a southwest direction. These results are generally consistent with historical monitoring results and hydraulic gradients.

Groundwater sample analytical data is included in Table 2. In wells MW-10, MW-12, MW-26, and MW-27 all contaminants were below laboratory detection limits with the exception of MTBE which was detected at insignificant concentrations (up to 2.5 µg/l). In well MW-8 and EW-01, TPH-g, BTEX, and MTBE remain but have decreased significantly since the 2005 monitoring event. TPH-g increased slightly in MW-11 since 2005 however not to significant concentrations while BTEX and MTBE remained stable since 2005.

Based on the results of the additional sampling requested by ACEH, the residual petroleum impact that remained in 2002 has continued to decrease since the last reporting to ACEH. In addition, the soil gas sample results confirm that residual impact is not present at significant levels in the soil or groundwater to pose a reasonable potential for vapor intrusion at the site. Although low dissolved phase concentrations were detected in three of the wells, their concentrations have decreased significantly (MW-8 and EW-01) since the prior sampling event (2005) or been stable at low levels (MW-11) since the treatment activities. This case should be considered eligible for closure under RWQCB low risk criteria as outlined in the 2003 closure request report for the site. Once the ACEH agrees that closure is appropriate for this site, the remaining monitoring wells should be properly decommissioned in accordance with applicable well standards.

The new well survey data along with the other requested electronic data delivery files have been uploaded to the GeoTracker database as required.

6.0 CLOSING

This report presents a summary of work completed by AEI, including observations and descriptions of site conditions. 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 requested information, but it cannot be assumed that they are entirely representative of all areas not sampled. Environmental sampling is inherently limited and conditions may exist between sampling points that cannot be accounted for. All conclusions and recommendations are based on these analyses, 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 and construction field that existed at the time and location of the work. Please contact either of the undersigned with any questions.

Sincerely,
AEI Consultants

Leah Goldberg
Staff Geologist

Peter McIntyre, PG, REA
Senior Project Manager

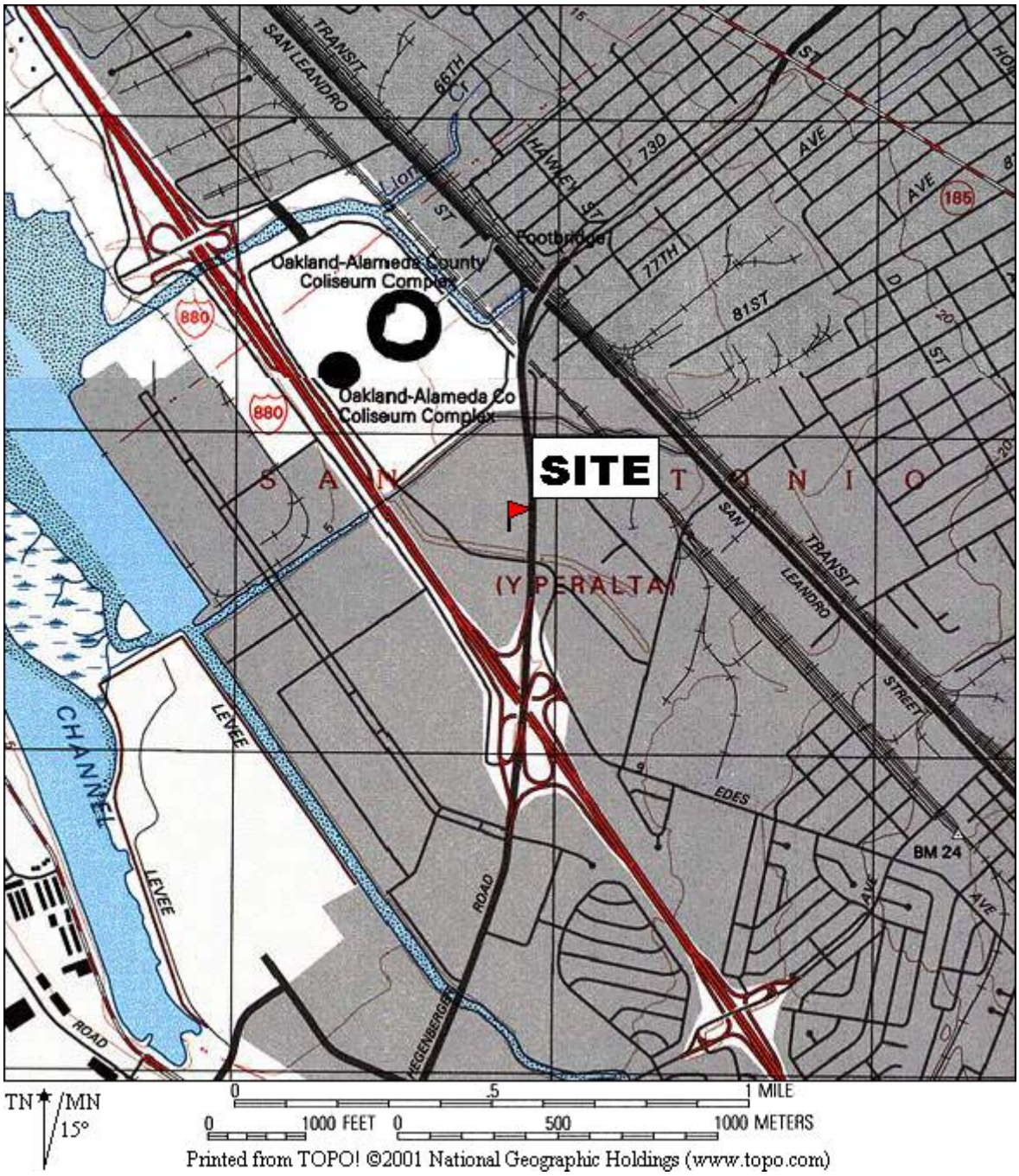
REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 5/31/10
No. 7702
STATE OF CALIFORNIA

Distribution:
Diversified Investment and Management Corporation
Attn: Mr. Rob Canepa
400 Oyster Point Boulevard, Suite 415
South San Francisco, CA 94080

ACEH; Attn: Mr. Jerry Wickham
FTP Electronic Upload

GeoTracker Database (PDF upload)

FIGURES



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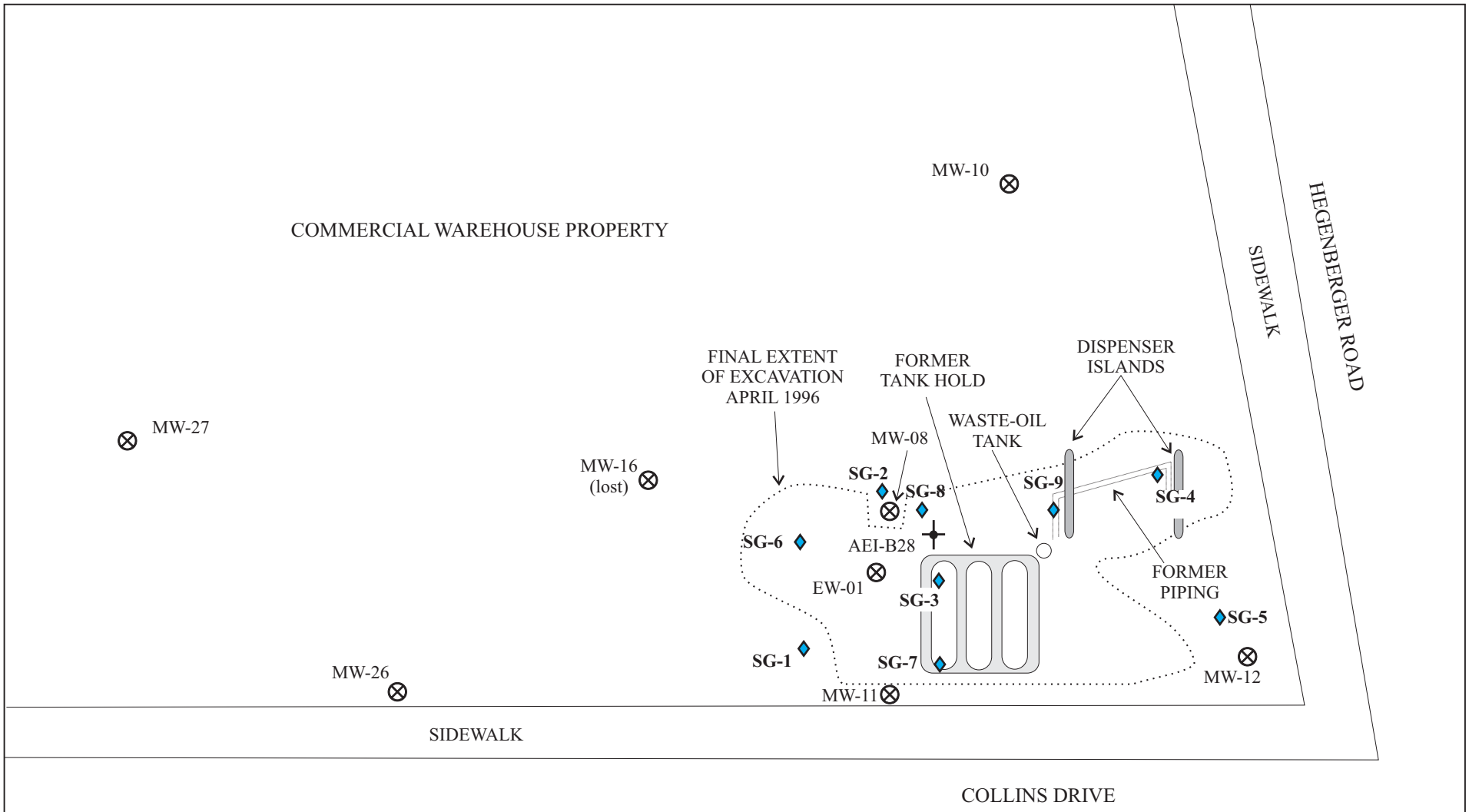
2500 CAMINO DIABLO, WALNUT CREEK, CA

SITE LOCATION MAP

625 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

FIGURE 1
PROJECT NO. 277254



N

0’ 25’ 50’

SCALE: 1 in = 50 ft

KEY

- Monitoring Well Locations
- Soil Boring (June 2000)
- Soil Vapor Sampling Location (5/14/08)

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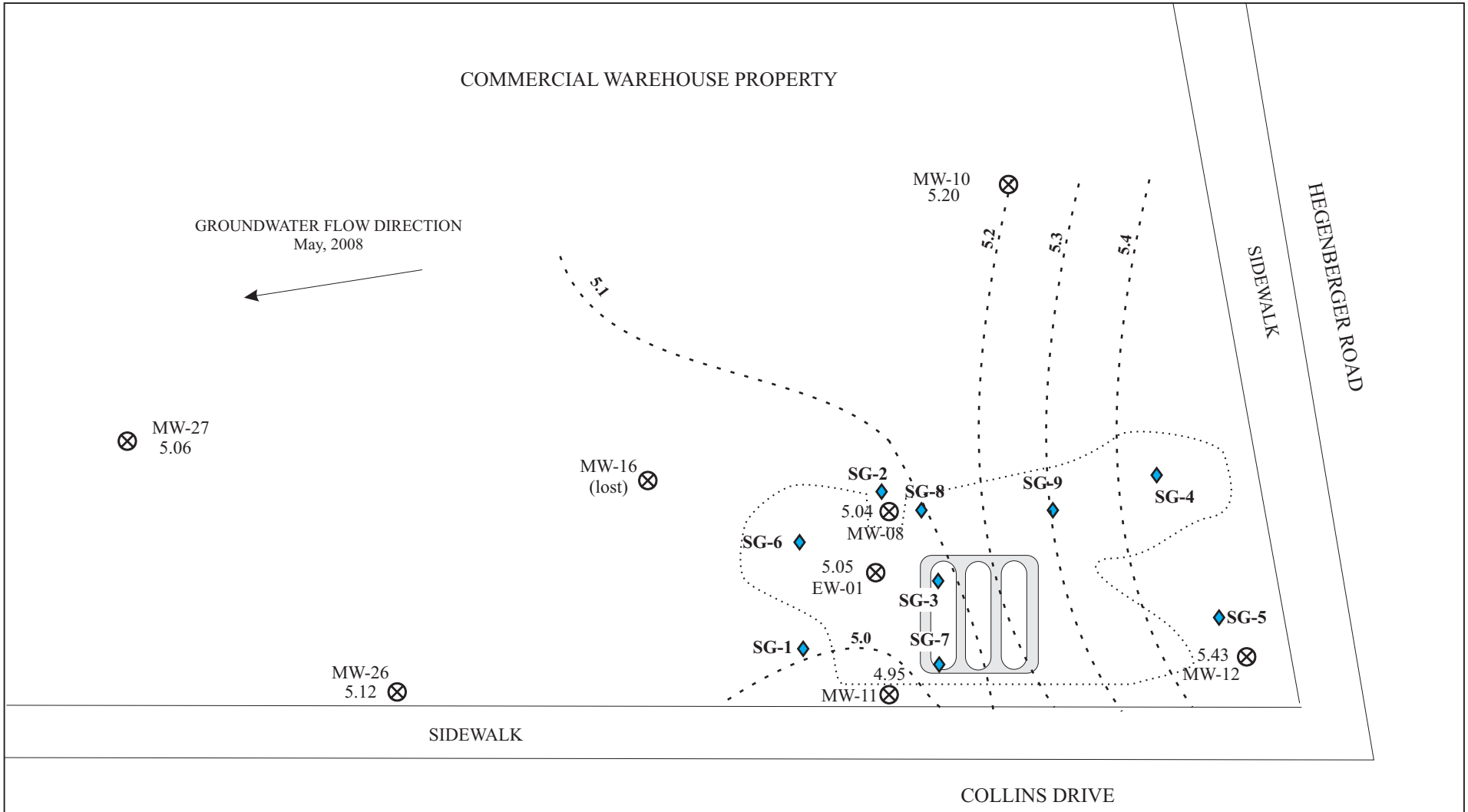
2500 CAMINO DIABLO, WALNUT CREEK, CA

SITE PLAN

625 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

FIGURE 2
AEI PROJECT NO 277254



N

0’ 25’ 50’

SCALE: 1 in = 50 ft

KEY

- ⊗ Monitoring Well Locations
- ♦ Soil Vapor Sampling Location (5/14/08)
- Water Table contour in feet above mean sea level. Contour interval = 0.1 feet

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2500 CAMINO DIABLO, WALNUT CREEK, CA

WATER TABLE CONTOURS: 5/08

(Revised 6/25/08)

625 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

FIGURE 3
AEI PROJECT NO 277254

TABLES

Table 1
Water Table Elevation Data

Well ID	Date	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
MW-8	12/22/1993	4.88	6.72	-1.84
MW-10	12/22/1993	4.21	6.00	-1.79
MW-11	12/22/1993	5.04	6.84	-1.80
MW-12	12/22/1993	4.58	6.07	-1.49
MW-16	12/22/1993	5.53	7.48	-1.95
MW-8	6/30/1994	4.88	6.55	-1.67
MW-10	6/30/1994	4.21	5.79	-1.58
MW-11	6/30/1994	5.04	6.73	-1.69
MW-12	6/30/1994	4.58	6.06	-1.48
MW-16	6/30/1994	5.53	7.28	-1.75
MW-8	9/27/1994	4.88	7.20	-2.32
MW-10	9/27/1994	4.21	6.39	-2.18
MW-11	9/27/1994	5.04	7.41	-2.37
MW-12	9/27/1994	4.58	6.57	-1.99
MW-16	9/27/1994	5.53	7.93	-2.40
MW-8	1/4/1995	4.88	6.21	-1.67
MW-10	1/4/1995	4.21	5.42	-1.58
MW-11	1/4/1995	5.04	6.45	-1.69
MW-12	1/4/1995	4.58	5.50	-1.48
MW-16	1/4/1995	5.53	7.03	-1.50
MW-8	1/10/1995	4.88	5.09	-2.32
MW-10	1/10/1995	4.21	4.67	-2.18
MW-11	1/10/1995	5.04	5.72	-2.37
MW-12	1/10/1995	4.58	4.46	-1.99
MW-16	1/10/1995	5.53	6.21	-2.40
MW-24	1/10/1995	5.49	5.97	-0.48
MW-8	10/2/1995	4.88	7.66	-2.78
MW-10	10/2/1995	4.21	6.87	-2.66
MW-11	10/2/1995	5.04	7.85	-2.81
MW-12	10/2/1995	4.58	6.99	-2.41
MW-16	10/2/1995	5.53	8.40	-2.87
MW-24	10/2/1995	5.49	8.31	-2.82
MW-8	1/8/1996	4.88	7.45	-2.57
MW-10	1/8/1996	4.21	6.82	-2.61
MW-11	1/8/1996	5.04	7.91	-2.87
MW-12	1/8/1996	4.58	6.65	-2.07
MW-16	1/8/1996	5.53	8.23	-2.70
MW-24	1/8/1996	5.49	8.08	-2.59
MW-8	4/25/1996	4.88	7.32	-2.44
MW-10	4/25/1996	4.21	7.48	-3.27
MW-11	4/25/1996	5.04	7.51	-2.47
MW-12	4/25/1996	4.58	6.56	-1.98
MW-16	4/25/1996	5.53	8.06	-2.53
MW-8	3/25/1997	4.88	6.75	-1.87
MW-10	3/25/1997	4.21	5.83	-1.62
MW-11	3/25/1997	5.04	6.83	-1.79
MW-12	3/25/1997	4.58	6.03	-1.45
MW-16	3/25/1997	5.53	7.35	-1.82
MW-8	7/3/1997	4.88	8.70	-3.82
MW-10	7/3/1997	4.21	5.87	-1.66
MW-11	7/3/1997	5.04	6.83	-1.79
MW-12	7/3/1997	4.58	6.03	-1.45
MW-16	7/3/1997	5.53	7.35	-1.82

Table 1: Continued

Well ID	Date	Well Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)
MW-8	10/2/1997	4.88	6.70	-1.82
MW-10	10/2/1997	4.21	5.90	-1.69
MW-11	10/2/1997	5.04	6.85	-1.81
MW-12	10/2/1997	4.58	6.08	-1.50
MW-16	10/2/1997	5.53	7.36	-1.83
MW-8	1/28/1998	4.88	5.20	-0.32
MW-10	1/28/1998	4.21	4.40	-0.19
MW-11	1/28/1998	5.04	5.33	-0.29
MW-12	1/28/1998	4.58	4.54	-0.04
MW-16	1/28/1998	5.53	5.90	-0.37
MW-8	2/9/2000	4.88	5.12	-0.24
MW-10	2/9/2000	4.21	5.25	-1.04
MW-11	2/9/2000	5.04	6.25	-1.21
MW-12	2/9/2000	4.58	5.33	-0.75
MW-16	2/9/2000	5.53	6.81	-1.28
MW-8	8/9/2000*	3.96	5.15	-1.19
MW-10	8/9/2000	4.20	5.33	-1.13
MW-11	8/9/2000	5.01	6.20	-1.19
MW-12	8/9/2000	4.58	5.14	-0.56
MW-16	8/9/2000	5.51	6.74	-1.23
MW-26	8/9/2000	5.12	5.81	-0.69
MW-27	8/9/2000	4.06	5.12	-1.06
EW-01	8/9/2000	5.19	6.38	-1.19
MW-8	5/31/2001	3.96	5.54	-1.58
MW-10	5/31/2001	4.20	5.81	-1.61
MW-11	5/31/2001	5.01	6.65	-1.64
MW-12	5/31/2001	4.58	6.28	-1.70
MW-16	5/31/2001	5.51	7.14	-1.63
MW-26	5/31/2001	5.12	6.25	-1.13
MW-27	5/31/2001	4.06	5.84	-1.78
EW-01	5/31/2001	5.19	6.84	-1.65
MW-8	4/8/2002	3.96	4.85	-0.89
MW-10	4/8/2002	4.20	4.93	-0.73
MW-11	4/8/2002	5.01	5.94	-0.93
MW-12	4/8/2002	4.58	5.08	-0.50
MW-16	4/8/2002	5.51	6.45	-0.94
MW-26	4/8/2002	5.12	5.88	-0.76
MW-27	4/8/2002	4.06	5.32	-1.26
EW-01	4/8/2002	5.19	6.11	-0.92
MW-8	7/29/2002	3.96	5.22	-1.26
MW-8	9/11/2002	3.96	5.39	-1.43
MW-10	9/11/2002	4.20	5.57	-1.37
MW-11	9/11/2002	5.01	6.50	-1.49
MW-12	9/11/2002	4.58	5.67	-1.09
MW-16	9/11/2002	5.51	7.01	-1.50
MW-26	9/11/2002	5.12	6.54	-1.42
MW-27	9/11/2002	4.06	6.04	-1.98
EW-01	9/11/2002	5.19	6.66	-1.47
MW-8	5/14/2008	10.01	4.97	5.04
MW-10	5/14/2008	10.25	5.05	5.20
MW-11	5/14/2008	11.07	6.12	4.95
MW-12	5/14/2008	10.66	5.23	5.43
MW-16			Well Lost	
MW-26	5/14/2008	11.17	6.05	5.12
MW-27	5/14/2008	10.06	5.00	5.06
EW-01	5/14/2008	11.30	6.25	5.05

Notes: All elevations are measured from the top of casing.
ft msl = feet above mean sea level
NA = Not Available
*All well elevations were re-surveyed May/June 2008 by Morrow Surveying, Inc.

Table 2
Groundwater Sample Analytical Data

	Date	TPH-g µg/L	TPH-d µg/L	TPH-o µg/L	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EBD µg/L	1,2-DCA µg/L
		EPA method 8015M			EPA method 8020					EPA method 8260B *						
MW-8	5/28/1993	19000	1000	-	6400	28	160	36	-	-	-	-	-	-	-	-
	12/22/1993	56000	300	<200	16000	5999.3	650	2700	-	-	-	-	-	-	-	-
	6/30/1994	41000	<500	500	11000	4800	2200	8200	-	-	-	-	-	-	-	-
	9/27/1994	28000	620	<200	8500	260	1600	5300	-	-	-	-	-	-	-	-
	1/10/1995	58000	70	<200	10000	11000	2400	12000	-	-	-	-	-	-	-	-
	10/2/1995	28000	<50	<500	51	16	54	80	-	-	-	-	-	-	-	-
	1/8/1996	72000	3700	<250	8600	13000	2200	12000	-	-	-	-	-	-	-	-
	1/8/1996	62000	-	-	7200	9500	1600	8000	-	-	-	-	-	-	-	-
	4/25/1996	33000	3100	-	7600	2300	1500	4800	-	-	-	-	-	-	-	-
	3/25/1997	23000	1900	-	8300	80	350	380	1500	-	-	-	-	-	-	-
	7/3/1997	14000	1400	-	6600	32	190	100	1300	-	-	-	-	-	-	-
	7/3/1997	15000	1400	-	7300	34	160	110	1700	-	-	-	-	-	-	-
	10/2/1997	7600	810	-	3500	14	37	21	890	-	-	-	-	-	-	-
	1/28/1998	21000	2700	-	5500	270	730	780	900	-	-	-	-	-	-	-
	9/9/1999	2500	-	-	790	2.8	4.7	8	380	-	-	-	-	-	-	-
	2/9/2000	39000	-	-	6400	4300	950	390	460	-	-	-	-	-	-	-
	8/9/2000	5500	-	-	1700	15	130	370	540	-	-	-	-	-	-	-
	5/31/2001	14,000	-	-	2,800	63	610	540	370	-	-	-	-	-	-	-
	8/10/2001	4,400	-	-	1,200	41	160	170	380	-	-	-	-	-	-	-
	9/25/2001	2,100	-	-	470	7.2	6.5	7.1	210	-	-	-	-	-	-	-
	12/14/2001	1800	-	-	230	34	67	150	26	-	-	-	-	-	-	-
	4/8/2002	32000	-	-	2000	820	1100	2300	62	-	-	-	-	-	-	-
	7/29/2002	4300	-	-	1200	21	58	69	280	-	-	-	-	-	-	-
	9/11/2002	2000	-	-	520	5.4	11	8.7	430	270	<5.0	<5.0	<5.0	<50	<5.0	<5.0
	8/18/2005	3600	-	-	390	16	59	57	<90	72	<2.5	<2.5	<2.5	<25	<2.5	<2.5
	5/8/2008	**2600**	-	-	**140**	**14**	**30**	**57**	**<25**	**18**	**-**	**-**	**-**	**<5.0**	**<5.0**	**<5.0**
MW-10	5/28/1993	<50	54	-	<0.3	<0.3	<0.3	<0.9	-	-	-	-	-	-	-	-
	12/22/1993	<50	580	<200	<0.5	<0.7	<0.5	<0.2	-	-	-	-	-	-	-	-
	6/30/1994	<50	<50	600	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	9/27/1994	<50	610	<200	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	1/10/1995	<50	600	<200	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	10/2/1995	350	<50	<500	4.4	2.6	2.3	6.4	-	-	-	-	-	-	-	-
	1/8/1996	50	<50	<250	5.8	7.1	1.2	6.4	-	-	-	-	-	-	-	-
	4/25/1996	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
	3/25/1997	<50	<50	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	7/3/1997	<50	<50	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	10/2/1997	<50	110	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	1/28/1998	<50	<50	-	5.7	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	8/19/1999	<50	-	-	5.7	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	2/9/2000	<50	-	-	5.7	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	8/9/2000	<50	-	-	5.7	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	5/31/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	8/10/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/8/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	2.3	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	8/18/2005	<50	-	-	1.5	3.4	<0.5	2.6	<5.0	2.3	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	5/8/2008	**<50**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**2.0**	**-**	**-**	**-**	**<5.0**	**<0.5**	**<0.5**

Table 2: Continued

	Date	TPH-g µg/L	TPH-d µg/L	TPH-o µg/L	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EBD µg/L	1,2-DCA µg/L
		EPA method 8015M			EPA method 8020					EPA method 8260B						
MW-11	5/28/1993	1200	<50	-	450	17	1.5	2.1	-	-	-	-	-	-	-	-
	12/22/1993	9200	530	<200	4500	38.3	12	43	-	-	-	-	-	-	-	-
	6/30/1994	8800	<50	1100	1500	13	690	1200	-	-	-	-	-	-	-	-
	6/30/1994	9700	-	-	1700	14	730	1300	-	-	-	-	-	-	-	-
	9/27/1994	15000	910	<200	6500	26	870	590	-	-	-	-	-	-	-	-
	1/10/1995	14000	1100	<200	890	220	840	2400	-	-	-	-	-	-	-	-
	10/2/1995	7100	<50	<500	47	5.7	11	36	-	-	-	-	-	-	-	-
	1/8/1996	12000	2000	<250	1200	99	790	1400	-	-	-	-	-	-	-	-
	4/25/1996	5800	1400	-	230	59	200	770	-	-	-	-	-	-	-	-
	3/25/1997	760	490	-	130	49	2.9	1	130	-	-	-	-	-	-	-
	7/3/1997	290	<50	-	<0.5	<0.5	600	<0.5	380	-	-	-	-	-	-	-
	10/2/1997	220	220	-	8.8	0.73	<0.5	0.67	720	-	-	-	-	-	-	-
	1/28/1998	540	160	-	140	0.81	<0.5	<0.5	360	-	-	-	-	-	-	-
	8/19/1999	590	-	-	180	3.2	<0.5	<0.5	720	-	-	-	-	-	-	-
	2/9/2000	680	-	-	100	3.1	<0.5	2.9	280	-	-	-	-	-	-	-
	8/9/2000	350	-	-	1.7	2.6	<0.5	0.84	410	-	-	-	-	-	-	-
	5/31/2001	280	-	-	1.1	1.6	0.25	0.25	430	-	-	-	-	-	-	-
	8/10/2001	300	-	-	0.95	1.6	0.25	0.66	340	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	250	-	-	2.8	1.7	0.25	0.9	300	-	-	-	-	-	-	-
	4/8/2002	86	-	-	0.7	0.77	<0.5	<0.5	300							
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	320	250	<2.5	<2.5	<2.5	98	<2.5	<2.5
	8/18/2005	56	-	-	1.2	2.9	0.54	2.5	150	160	<2.5	<2.5	<2.5	83	<2.5	<2.5
	5/14/2008	**360**	**-**	**-**	**4.2**	**1.2**	**<0.5**	**0.51**	**150**	**170**	**-**	**-**	**<5.0**	**45**	**<5.0**	**<5.0**
MW-12	5/28/1993	<50	<50	-	<0.3	<0.3	<0.3	<0.9	-	-	-	-	-	-	-	-
	12/22/1993	50	300	<200	<0.5	<0.7	<0.5	<0.2	-	-	-	-	-	-	-	-
	6/30/1994	<50	<50	400	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	9/27/1994	<50	400	<200	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	9/27/1994	<50	-	-	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	1/10/1995	<50	300	<200	<0.5	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	10/2/1995	<50	<50	<500	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
	1/8/1996	<50	<50	<250	2.4	2.7	0.54	2.8	-	-	-	-	-	-	-	-
	4/25/1996	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
	3/25/1997	<50	<50	-	<0.5	<0.5	<0.5	<0.5	16	-	-	-	-	-	-	-
	7/3/1997	<50	<50	-	<0.5	<0.5	<0.5	<0.5	16	-	-	-	-	-	-	-
	10/2/1997	<50	120	-	<0.5	<0.5	<0.5	<0.5	17	-	-	-	-	-	-	-
	1/28/1998	<50	<50	-	1.3	<0.5	<0.5	<0.5	13	-	-	-	-	-	-	-
	8/19/1999	<50	-	-	<0.5	<0.5	<0.5	<0.5	9.1	-	-	-	-	-	-	-
	2/9/2000	<50	-	-	<0.5	<0.5	<0.5	<0.5	6.2	-	-	-	-	-	-	-
	8/9/2000	<50	-	-	<0.5	<0.5	<0.5	<0.5	6.4	-	-	-	-	-	-	-
	5/31/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	6.5	-	-	-	-	-	-	-
	8/10/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	5.3	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/8/2002	51	-	-	3.1	0.98	1.2	2	<5.0	-	-	-	-	-	-	-
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	6.2	3.6	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	8/18/2005	<50	-	-	1.1	3.1	<0.5	2.5	<5.0	3.6	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	5/8/2008	**<50**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**2.5**	**-**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**

Table 2: Continued

	Date	TPH-g µg/L	TPH-d µg/L	TPH-o µg/L	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EBD µg/L	1,2-DCA µg/L
		EPA method 8015M			EPA method 8020					EPA method 8260B						
MW-16	5/28/1993	<50	<50	-	2.8	0.3	<0.7	<0.9	-	-	-	-	-	-	-	-
	12/22/1993	2200	520	<200	<0.5	<0.7	<0.5	<0.2	-	-	-	-	-	-	-	-
	6/30/1994	<50	<50	900	8	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	9/27/1994	70	590	<200	17	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	1/10/1995	300	700	<200	190	<0.5	<0.5	<0.2	-	-	-	-	-	-	-	-
	10/2/1995	550	<50	<500	7.7	0.7	3.5	13	-	-	-	-	-	-	-	-
	1/8/1996	360	140	<250	<0.5	<0.5	4	9.7	-	-	-	-	-	-	-	-
	4/25/1996	1100	330	-	390	3.7	3.2	14	-	-	-	-	-	-	-	-
	3/25/1997	310	120	-	<0.5	<0.5	<0.5	1.4	2100	-	-	-	-	-	-	-
	7/3/1997	250	130	-	<0.5	<0.5	<0.5	<0.5	1900	-	-	-	-	-	-	-
	10/2/1997	290	180	-	<0.5	<0.5	<0.5	<0.5	2000	-	-	-	-	-	-	-
	1/28/1998	150	130	-	<0.5	<0.5	<0.5	<0.5	1900	-	-	-	-	-	-	-
	9/9/1999	<50	-	-	<0.5	<0.5	<0.5	<0.5	880	-	-	-	-	-	-	-
	2/9/2000	<50	-	-	<0.5	0.6	<0.5	8.7	88	-	-	-	-	-	-	-
	8/9/2000	<50	-	-	<0.5	<0.5	<0.5	<0.5	800	-	-	-	-	-	-	-
	5/31/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	69	-	-	-	-	-	-	-
	8/10/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	300	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/8/2002	<50	-	-	1.7	0.61	0.78	1.4	45	-	-	-	-	-	-	-
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	280	250	<2.5	<2.5	<2.5	33	<2.5	<2.5
	8/18/2005	**Well covered / lost**														
EW-01	2/9/2000	2600	-	-	800	48	21	91	750	-	-	-	-	-	-	-
	8/9/2000	6700	-	-	2700	19	120	31	1300	-	-	-	-	-	-	-
	5/31/2001	3,100	-	-	580	24	36	32	850	-	-	-	-	-	-	-
	8/10/2001	210	-	-	14	2.2	1.0	1.1	620	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	2,400	-	-	320	57	23	70	510	-	-	-	-	-	-	-
	4/8/2002	230	-	-	37	3.1	1.5	1	190	-	-	-	-	-	-	-
	9/11/2002	1600	-	-	400	5.2	22	56	630	470	<5.0	<5.0	<5.0	77	<5.0	<5.0
	8/18/2005	2900	-	-	520	15	8.7	150	<500	220	<2.5	<2.5	<2.5	26	<2.5	<2.5
	5/8/2008	**190**	**-**	**-**	**14**	**3.4**	**<0.5**	**2.6**	**190**	**210**	**-**	**-**	**-**	**25**	**<5.0**	**<5.0**

Table 2: Continued

	Date	TPH-g µg/L	TPH-d µg/L	TPH-o µg/L	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Xylenes µg/L	MTBE µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EBD µg/L	1,2-DCA µg/L
		EPA method 8015M			EPA method 8020					EPA method 8260B						
MW-26	8/9/2000	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	5/31/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	8.3	-	-	-	-	-	-	-
	8/10/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/8/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	0.80	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	8/18/2005	<50	-	-	<0.5	1.2	<0.5	0.62	<5.0	0.84	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	5/8/2008	**<50**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.57**	**-**	**-**	**-**			
MW-27	8/9/2000	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	5/31/2001	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	8/10/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/25/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/8/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
	9/11/2002	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/18/2005	<50	-	-	<0.5	<0.5	<0.5	<0.5	<5.0	0.52	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
	5/8/2008	**<50**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**-**	**-**	**-**	**3.3**	**<0.5**	**<0.5**

TPH-g = TPH as gasoline
TPH-d = TPH as diesel
TPH-o = TPH as motor oil
* Analyses for May 2008 included halogenated VOCs by EPA method 8260; no other detections than those noted below

Table 3
Soil Vapor Sample Analytical Data

Sample ID	Depth ft	Date	TPH-g µg/m³ *EPA Method TO-15*	Benzene µg/m³	Toluene µg/m³	Ethylbenzene µg/m³	Xylenes µg/m³ *EPA Method TO-15*	MTBE µg/m³	All other VOCs µg/m³
SG-1	1	5/14/08	<1,800	**9.5**	**9.6**	<8.8	<27	<7.3	<RL
SG-2	2.5	5/14/08	<1,800	<6.5	<7.7	<8.8	<27	<7.3	<RL
SG-3	2.5	5/14/08	<1,800	**9.6**	**16**	<8.8	**36**	<7.3	<RL
SG-4	2.5	5/14/08	<1,800	<6.5	<7.7	<8.8	<27	<7.3	<RL
SG-5	1.5	5/14/08	<1,800	**7.1**	<7.7	<8.8	<27	<7.3	<RL
SG-6	2	5/14/08	<1,800	<6.5	<7.7	<8.8	<27	<7.3	<RL
SG-7	2.5	5/14/08	<1,800	**27**	**13**	<8.8	<27	<7.3	<RL
SG-8	2.5	5/14/08	<1,800	<6.5	<7.7	<8.8	<27	<7.3	<RL
SG-9	2.5	5/14/08	<1,800	<6.5	<7.7	<8.8	<27	<7.3	<RL
ESL-R	-	-	10,000	84	63,000	980	21,000	9,400	NA
ESL-CI	-	-	29,000	280	180,000	3,300	58,000	31,000	NA

ESL-R= environmental screening level (RWQCB, May 2008) for residential land use

ESL-CI= environmental screening level (RWQCB, May 2008) for commercial/industrial land use

µg/m³= micrograms per meter cubed

SG= Soil Gas (Soil Vapor)

RL = laboratory reporting limit

ND= not detectable above the reporting limit

NA= not applicable

TPH-g = total petroleum hydrocarbon as gasoline

MTBE = methyl tertiary-butyl ether

Other VOCs from TO-15 analyses include TAME, TBA, DIPE, and ETBE

APPENDIX A

Groundwater Monitoring Well
Field Sampling Forms

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-8

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	10.01		
Depth of Well	14.40		
Depth to Water (from top of casing)	4.97		
Water Elevation (feet above msl)	5.04		
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)	**4.5**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	clears at 1.5 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
15:18	1	16.76	6.84	4460	3.23	-94.6	Light dark
15:19	2	16.65	6.85	4474	2.65	-109.9	clear
15:20	3	16.64	6.86	4444	2.43	-120.7	clear
15:21	4	16.63	6.86	4369	2.35	-124.8	clear
15:22	5	16.63	6.86	4397	2.33	-127.8	clear
		63					

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

Water started dark and clears at 1.5 gallons, with strong hydrocarbon odor present

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-10

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	10.25		
Depth of Well	15.70		
Depth to Water (from top of casing)	5.05		
Water Elevation (feet above msl)	5.20		
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)	**5.1**		
Actual Volume Purged (gallons)	6.0		
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
14:47	1	19.42	6.98	6748	3.33	-110.5	Clear
14:48	2	19.46	6.96	6802	2.91	-122.5	Clear
14:49	3	19.47	6.97	6818	2.81	-126.2	Clear
14:50	4	19.48	6.97	6836	2.64	-130.6	Clear
14:51	5	19.48	6.98	6830	2.98	-132.4	Clear
14:52	6	19.48	6.98	6837	2.52	-134.2	Clear

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

Clear with no hydrocarbon odor/smells present

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-11

Project Name:	Hegenberger	Date of Sampling:	5/14/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	11.07		
Depth of Well	15.00		
Depth to Water (from top of casing)	6.12		
Water Elevation (feet above msl)	4.95		
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)	**4.5**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	yellow clears quickly		
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
11:00	0						
11:15	4.5						

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

Strong hydrocarbon odor becoming less at 2.5 gallons

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-12

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	10.66		
Depth of Well	15.50		
Depth to Water (from top of casing)	5.23		
Water Elevation (feet above msl)	5.43		
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)	**4.9**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water			
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
15:00	1	18.48	6.8	3086	2.45	-95.5	Clear
15:01	2	18.47	6.79	2904	2.31	-97.9	Clear
15:02	3	18.48	6.78	2795	2.23	-99.6	Clear
15:03	4	18.49	6.76	2681	2.17	-101.7	Clear
15:04	5	18.49	6.75	2661	2.12	-103.2	Clear

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

Clear with slight hydrocarbon odors present

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-16

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)			
Depth of Well	12.50		
Depth to Water (from top of casing)			
Water Elevation (feet above msl)			
Well Volumes Purged			
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)			
Actual Volume Purged (gallons)			
Appearance of Purge Water			
Free Product Present?	Yes / 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
Well not found since 2005							

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

WELL NOT FOUND SINCE 2005

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-26

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	11.17		
Depth of Well	15.00		
Depth to Water (from top of casing)	6.05		
Water Elevation (feet above msl)	5.12		
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	Clears quickly		
Free Product Present?	Yes / 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
14:32	1	17.41	6.93	1737	3.32	-126.9	Clear
14:33	2	17.28	6.93	1771	2.93	-136.4	Clear
14:34	3	17.38	6.94	1898	2.6	-152.2	Clear
14:35	4	17.42	6.94	1870	2.67	-153.5	Clear
14:36	5	17.5	6.91	1818	3.02	-150.3	Clear

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

Water clear with slight sewage odors present

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-27

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	10.06		
Depth of Well	15.00		
Depth to Water (from top of casing)	5.00		
Water Elevation (feet above msl)	5.06		
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			
Free Product Present?	Yes / 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
14:18	1	18.33	7	1349	4.65	-132.2	Clear
14:19	2	18.28	6.98	1368	4.52	-132.4	Clear
14:20	3	18.27	6.93	1373	3.97	-130.5	Clear
14:21	4	18.27	6.93	1376	3.86	-130.5	Clear
14:22	5	18.26	6.95	1374	3.71	-131.2	Clear

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

Clear with no hydrocarbon odors present

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: EW-01

Project Name:	Hegenberger	Date of Sampling:	5/8/2008
Job Number:	277254	Name of Sampler:	A Nieto
Project Address:	625 Hegenberger Rd		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	11.30		
Depth of Well	22.50		
Depth to Water (from top of casing)	6.25		
Water Elevation (feet above msl)	5.05		
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)	**31.9**		
Actual Volume Purged (gallons)	32.0		
Appearance of Purge Water	Clear fast		
Free Product Present?	Yes / 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
15:42	1	16.84	6.96	6126	2.9	-130.5	Clear
14:43	2	16.62	6.85	51645102	2.53	-124.7	Clear
15:44	3	16.63	6.85	5102	2.46	-124.4	Clear
15:45	4	16.64	6.85	4933	2.38	-124.7	Clear
15:46	5	16.65	6.85	4732	2.34	-125.4	Clear
15:49	10	16.69	6.79	3912	2.39	-125	Clear
15:52	15	16.69	6.81	3707	2.38	-125.7	Clear
15:55	20	16.7	6.81	3471	2.33	-126.5	Clear
15:58	25	16.69	6.82	3411	2.34	-126.8	Clear
16:01	30	16.69	6.93	3276	2.3	-126.2	Clear
16:02	32	16.69	6.93	3249	2.28	-127.4	Clear

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

Light dark and strong hydrocarbon odors present

APPENDIX B

Laboratory Analytical Reports
With
Chain of Custody Documentation

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: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Reported: 05/15/08
	Client P.O.:	Date Completed: 05/15/08

WorkOrder: 0805228

May 15, 2008

Dear Leah:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#277254; Diversified,**
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.

~~080528~~ 0805228

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 ☐ No

Report To: Leah Goldberg	**Bill To:** same
Company: AEI Consultants	
2500 Camino Diablo, Suite 200	
Walnut Creek, CA 94597	**E-Mail:** lgoldberg@aeiconsultants.com
Tele: (925) 944-2899	**Fax:** (925) 944-2895
Project #: 277254	**Project Name:** Diversified
Project Location: 625 Hegenberger Rd, 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	MTBE, BTEX & TPH as Gas (6021 /8015)	TPH as Diesel (8015)	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)	RCI	MTBE, TBA, and Chlorinated Solvents (EPA 8260)	Comments
MW-8		5/6/08	4:50	3	VOAs	X									X															X	
MW-10			4:45			X									X															X	
~~MW-11~~						X									X															X	
MW-12			4:40			X									X															X	
MW-26			5:30			X									X															X	
MW-27			5:20			X									X															X	
EW-01			4:55			X									X															X	

Relinquished By:	**Date:** 5/6/08	**Time:** 7:30	**Received By:**
Relinquished By:	**Date:**	**Time:**	**Received By:**
Relinquished By:	**Date:**	**Time:**	**Received By:**

ICE/t° 4.6 °C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB MA

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

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0805228 **ClientCode: AEL**

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

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

Email: lgoldberg@aeiconsultants.com
cc:
PO:
ProjectNo: #277254; Diversified

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

Requested TAT: 5 days

Date Received: **05/08/2008**
Date Printed: **05/08/2008**

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
0805228-001	MW-8	Water	5/8/2008 4:50	☐	B	A										
0805228-002	MW-10	Water	5/8/2008 16:45	☐	B	A										
0805228-003	MW-12	Water	5/8/2008 16:40	☐	B	A										
0805228-004	MW-26	Water	5/8/2008 17:30	☐	B	A										
0805228-005	MW-27	Water	5/8/2008 17:20	☐	B	A										
0805228-006	EW-01	Water		☐	B	A										

Test Legend:

1	8010-8021MS_W	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments:

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

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: **5/8/08 8:06:23 PM**

Project Name: **#277254; Diversified**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0805228** 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: 4.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/12/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/12/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-001B
Client ID	MW-8
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND<5.0	10	0.5	Bromoform	ND<5.0	10	0.5
Bromomethane	ND<5.0	10	0.5	t-Butyl alcohol (TBA)	ND<20	10	2.0
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	Chloroform	ND<5.0	10	0.5
Chloromethane	ND<5.0	10	0.5	Dibromochloromethane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	1,2-Dichlorobenzene	ND<5.0	10	0.5
1,3-Dichlorobenzene	ND<5.0	10	0.5	1,4-Dichlorobenzene	ND<5.0	10	0.5
Dichlorodifluoromethane	ND<5.0	10	0.5	1,1-Dichloroethane	ND<5.0	10	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5	1,1-Dichloroethene	ND<5.0	10	0.5
cis-1,2-Dichloroethene	ND<5.0	10	0.5	trans-1,2-Dichloroethene	ND<5.0	10	0.5
1,2-Dichloropropane	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Freon 113	ND<100	10	10
Methyl-t-butyl ether (MTBE)	18	10	0.5	Methylene chloride	ND<5.0	10	0.5
1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5	1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5
Tetrachloroethene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	Vinyl Chloride	ND<5.0	10	0.5
m,p-Xylene	50	10	0.25	Xylenes	57	10	0.5

Surrogate Recoveries (%)

%SS1:	110	%SS2:	99
%SS3:	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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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

AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/12/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/12/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-002B
Client ID	MW-10
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	t-Butyl alcohol (TBA)	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Freon 113	ND	1.0	10
Methyl-t-butyl ether (MTBE)	2.0	1.0	0.5	Methylene chloride	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	1,1,2,2-Tetrachloroethane	ND	1.0	0.5
Tetrachloroethene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	Vinyl Chloride	ND	1.0	0.5
m,p-Xylene	ND	1.0	0.25	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	108	%SS2:	100
%SS3:	99		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/12/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/12/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-003B
Client ID	MW-12
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	t-Butyl alcohol (TBA)	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Freon 113	ND	1.0	10
Methyl-t-butyl ether (MTBE)	2.5	1.0	0.5	Methylene chloride	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	1,1,2,2-Tetrachloroethane	ND	1.0	0.5
Tetrachloroethene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	Vinyl Chloride	ND	1.0	0.5
m,p-Xylene	ND	1.0	0.25	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	107	%SS2:	100
%SS3:	98		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/13/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/13/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-004B
Client ID	MW-26
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	t-Butyl alcohol (TBA)	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Freon 113	ND	1.0	10
Methyl-t-butyl ether (MTBE)	0.57	1.0	0.5	Methylene chloride	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	1,1,2,2-Tetrachloroethane	ND	1.0	0.5
Tetrachloroethene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	Vinyl Chloride	ND	1.0	0.5
m,p-Xylene	ND	1.0	0.25	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	106	%SS2:	100
%SS3:	98		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/12/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/12/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-005B
Client ID	MW-27
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND	1.0	0.5	Bromoform	ND	1.0	0.5
Bromomethane	ND	1.0	0.5	t-Butyl alcohol (TBA)	3.3	1.0	2.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Freon 113	ND	1.0	10
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	1,1,2,2-Tetrachloroethane	ND	1.0	0.5
Tetrachloroethene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	Vinyl Chloride	ND	1.0	0.5
m,p-Xylene	ND	1.0	0.25	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	107	%SS2:	99
%SS3:	98		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
	Client Contact: Leah Goldberg	Date Extracted: 05/14/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/14/08

HVOCs, MTBE & tert-Butyl Alcohol by P&T and GC-MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805228

Lab ID	0805228-006B
Client ID	EW-01
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND<5.0	10	0.5	Bromoform	ND<5.0	10	0.5
Bromomethane	ND<5.0	10	0.5	t-Butyl alcohol (TBA)	25	10	2.0
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	Chloroform	ND<5.0	10	0.5
Chloromethane	ND<5.0	10	0.5	Dibromochloromethane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	1,2-Dichlorobenzene	ND<5.0	10	0.5
1,3-Dichlorobenzene	ND<5.0	10	0.5	1,4-Dichlorobenzene	ND<5.0	10	0.5
Dichlorodifluoromethane	ND<5.0	10	0.5	1,1-Dichloroethane	ND<5.0	10	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5	1,1-Dichloroethene	ND<5.0	10	0.5
cis-1,2-Dichloroethene	ND<5.0	10	0.5	trans-1,2-Dichloroethene	ND<5.0	10	0.5
1,2-Dichloropropane	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Freon 113	ND<100	10	10
Methyl-t-butyl ether (MTBE)	210	10	0.5	Methylene chloride	ND<5.0	10	0.5
1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5	1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5
Tetrachloroethene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	Vinyl Chloride	ND<5.0	10	0.5
Xylenes	ND<5.0	10	0.5				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	100
%SS3:	104		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/08/08
2500 Camino Diablo, Ste. #200		Date Received: 05/08/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/12/08-05/14/08
	Client P.O.:	Date Analyzed 05/12/08-05/14/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0805228

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-8	W	2600,a	ND<25	140	14	30	57	5	110
002A	MW-10	W	ND	ND	ND	ND	ND	ND	1	91
003A	MW-12	W	ND	ND	ND	ND	ND	ND	1	91
004A	MW-26	W	ND	ND	ND	ND	ND	ND	1	89
005A	MW-27	W	ND	ND	ND	ND	ND	ND	1	91
006A	EW-01	W	190,a	190	14	3.4	ND	2.6	1	100
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	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	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: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0805228

EPA Method SW8260B	Extraction SW5030B	BatchID: 35505	Spiked Sample ID: 0805228-004B

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
Benzene	ND	10	109	112	2.61	96.7	94.9	1.83	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	102	104	2.03	97.1	94.5	2.78	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	109	111	1.79	102	101	1.68	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	118	121	2.51	110	110	0	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	93.9	95.8	1.96	84	82.3	1.98	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	0.57	10	108	110	2.23	101	101	0	70 - 130	30	70 - 130	30
Toluene	ND	10	99.4	102	2.32	88.6	86.7	2.17	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	99.8	104	3.65	91.9	88.5	3.77	70 - 130	30	70 - 130	30
%SS1:	106	10	99	100	0.792	102	103	0.686	70 - 130	30	70 - 130	30
%SS2:	100	10	98	98	0	103	103	0	70 - 130	30	70 - 130	30
%SS3:	98	10	100	101	0.354	101	102	0.887	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 35505 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805228-001B	05/08/08 4:50 AM	05/12/08	05/12/08 10:59 PM	0805228-002B	05/08/08 4:45 PM	05/12/08	05/12/08 11:37 PM
0805228-003B	05/08/08 4:40 PM	05/12/08	05/12/08 9:04 PM	0805228-004B	05/08/08 5:30 PM	05/13/08	05/13/08 12:16 AM
0805228-005B	05/08/08 5:20 PM	05/12/08	05/12/08 10:21 PM	0805228-006B	Not Provided	05/14/08	05/14/08 1:16 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 freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0805228

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 35481** **Spiked Sample ID: 0805197-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	81.1	79.4	2.16	103	90.2	13.7	70 - 130	20	70 - 130	20
MTBE	ND	10	110	112	1.83	118	102	14.8	70 - 130	20	70 - 130	20
Benzene	ND	10	92.5	95.2	2.82	91.9	88.2	4.12	70 - 130	20	70 - 130	20
Toluene	ND	10	89	91.9	3.25	108	97.6	9.74	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	88.9	91	2.29	101	94.4	6.38	70 - 130	20	70 - 130	20
Xylenes	ND	30	79.2	80.9	2.06	110	104	5.88	70 - 130	20	70 - 130	20
%SS:	92	10	103	105	1.84	101	92	9.64	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 35481 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805228-001A	05/08/08 4:50 AM	05/13/08	05/13/08 11:07 PM	0805228-002A	05/08/08 4:45 PM	05/12/08	05/12/08 10:33 PM
0805228-003A	05/08/08 4:40 PM	05/12/08	05/12/08 11:07 PM	0805228-004A	05/08/08 5:30 PM	05/13/08	05/13/08 12:46 AM
0805228-005A	05/08/08 5:20 PM	05/13/08	05/13/08 1:19 AM	0805228-006A	Not Provided	05/14/08	05/14/08 4:03 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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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Reported: 05/20/08
	Client P.O.:	Date Completed: 05/19/08

WorkOrder: 0805390

May 20, 2008

Dear Leah:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#277254; Diversified,**
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.

ORO5390

McCAMPBELL ANALYTICAL, INC.

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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) ☐

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

Report To: Leah Goldberg Bill To: Same

Company: AEI Consultants
2500 Camino Diablo Rd.
Walnut Creek, CA

E-Mail: lgoldberg@aeiconsultants.com

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

Project #: 277254 Project Name: Diversified

Project Location: 625 Hegenberger Rd, Oakland, CA

Sampler Signature: Leah Levine-Goldberg

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
+ MW-11		5/14	1:20	4	VOA	X					X	X			X																	X	MTBE, TBA, and chlorinated solvents (by EPA 8260)

Relinquished By: Leah Levine-Goldberg	Date: 5/15	Time: 10:30	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 8.8°
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS ✓ O&G METALS OTHER pH<2

COMMENTS:

Filter Samples for Metals analysis: Yes / No

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0805390 **ClientCode: AEL**

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

Report to:
Leah Goldberg
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 944-2899 FAX (925) 283-6121

Email: lgoldberg@aeiconsultants.com
cc:
PO:
ProjectNo: #277254; Diversified

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

Requested TAT: 5 days

Date Received: **05/15/2008**
Date Printed: **05/15/2008**

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
0805390-001	MW-11	Water	5/14/2008 13:20	☐	B	A	A									

Test Legend:

1	8010-8021MS_W	2	G-MBTEX_W	3	PREDF REPORT	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

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

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

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **05/15/08 10:56:46 AM**

Project Name: **#277254; Diversified**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0805390** 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: 8.8°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 ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
		Date Received: 05/15/08
2500 Camino Diablo, Ste. #200	Client Contact: Leah Goldberg	Date Extracted: 05/17/08
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed 05/17/08

HVOCs and MBTEX by P&T and GC-MS (8021 BasicTarget List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0805390

Lab ID	0805390-001B
Client ID	MW-11
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Bromodichloromethane	ND<5.0	10	0.5	Bromoform	ND<5.0	10	0.5
Bromomethane	ND<5.0	10	0.5	t-Butyl alcohol (TBA)	45	10	2.0
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	Chloroform	ND<5.0	10	0.5
Chloromethane	ND<5.0	10	0.5	Dibromochloromethane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	1,2-Dichlorobenzene	ND<5.0	10	0.5
1,3-Dichlorobenzene	ND<5.0	10	0.5	1,4-Dichlorobenzene	ND<5.0	10	0.5
Dichlorodifluoromethane	ND<5.0	10	0.5	1,1-Dichloroethane	ND<5.0	10	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5	1,1-Dichloroethene	ND<5.0	10	0.5
cis-1,2-Dichloroethene	ND<5.0	10	0.5	trans-1,2-Dichloroethene	ND<5.0	10	0.5
1,2-Dichloropropane	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Freon 113	ND<100	10	10
Methyl-t-butyl ether (MTBE)	170	10	0.5	Methylene chloride	ND<5.0	10	0.5
1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5	1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5
Tetrachloroethene	ND<5.0	10	0.5	1,1,1-Trichloroethane	ND<5.0	10	0.5
1,1,2-Trichloroethane	ND<5.0	10	0.5	Trichloroethene	ND<5.0	10	0.5
Trichlorofluoromethane	ND<5.0	10	0.5	Vinyl Chloride	ND<5.0	10	0.5

Surrogate Recoveries (%)

%SS1:	109	%SS2:	98
%SS3:	103		

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.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/16/08
	Client P.O.:	Date Analyzed 05/16/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0805390

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-11	W	360,a	150	4.2	1.2	ND	0.51	1	100

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	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	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: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0805390

EPA Method SW8260B	Extraction SW5030B	BatchID: 35653	Spiked Sample ID: 0805408-001A

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
Benzene	ND	10	107	103	3.78	95.1	111	15.7	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	99.2	97	2.17	83.4	95.8	13.9	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	97.1	94.5	2.77	88.1	93.7	6.21	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	117	113	3.39	104	115	9.36	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	91.2	88.3	3.24	80.8	93.7	14.8	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	105	102	2.92	96.8	106	9.03	70 - 130	30	70 - 130	30
Toluene	ND	10	90.1	88	2.34	79	89.9	12.8	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	96.3	93.2	3.21	82.3	94.6	13.9	70 - 130	30	70 - 130	30
%SS1:	100	10	102	103	0.442	99	100	0.206	70 - 130	30	70 - 130	30
%SS2:	102	10	100	100	0	96	96	0	70 - 130	30	70 - 130	30
%SS3:	105	10	99	99	0	96	96	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 35653 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805390-001B	05/14/08 1:20 PM	05/17/08	05/17/08 1:06 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 freon 113 may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0805390

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 35607 Spiked Sample ID: 0805411-001A

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	102	91.1	11.0	88.9	95.1	6.66	70 - 130	20	70 - 130	20
MTBE	ND	10	94	91.5	2.66	93.2	97.7	4.68	70 - 130	20	70 - 130	20
Benzene	ND	10	86.9	82.3	5.43	84.7	89.7	5.74	70 - 130	20	70 - 130	20
Toluene	ND	10	85.4	80.4	6.02	77.4	84	8.22	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	86.5	81.4	6.06	85.2	89.6	4.97	70 - 130	20	70 - 130	20
Xylenes	ND	30	81	76.5	5.71	84.4	89	5.28	70 - 130	20	70 - 130	20
%SS:	100	10	102	98	3.33	97	96	1.85	70 - 130	20	70 - 130	20

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

NONE

BATCH 35607 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805390-001A	05/14/08 1:20 PM	05/16/08	05/16/08 3:30 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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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Reported: 05/23/08
	Client P.O.:	Date Completed: 05/23/08

WorkOrder: 0805392

May 23, 2008

Dear Leah:

Enclosed within are:

1) The results of the **9** analyzed samples from your project: **#277254; Diversified,**
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.

0805392

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

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

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Leah Goldberg Bill To: lgoldberg@aeiconsultants.com

Company: AEI Consultants

E-Mail:

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

Project #: 277254 Project Name: Diversified

Project Location: 625 Hegenberger Rd. Oakland, CA

Sampler Signature: Leah Levin-Goldberg

Lab Use Only

Pressurized By	Date	Pressurization Gas N2	Pressurization Gas He

Notes: Leak check by difluoroethane report as Detect / Non detect at 10 ug/L

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum Initial	Canister Pressure/Vacuum Final	Canister Pressure/Vacuum Receipt	Canister Pressure/Vacuum Final (psi)
SG-1	5/14	10:10	4756	316-729	TPH-gas		X		-5		
SG-2		11:47	[redacted]4889	316-726	(by TO-3)		X		-5		
SG-3		12:35	4709	316-689	MBTEX +/-		X		-5		
SG-4		3:23	4755-625		fuel additives		X				
SG-5		3:51	4707		by TO-15		X				
SG-6		12:51	4701	316-712			X				
SG-7		1:23	2587-549	316-725			X				
SG-8		2:32	3655	316 722			X				
SG-9		2:57	4708 [redacted]	316 662			X				

Relinquished By:	Date:	Time:	Received By:
Leah Levin-Goldberg	5/15	10:30	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Temp (°C): _____ Work Order #: _____

Condition: _____

Custody Seals Intact?: Yes _____ No _____ None _____

Shipped Via: _____

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

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **5/15/08 4:27:45 PM**

Project Name: **#277254; Diversified**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0805392** Matrix Soil Gas

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 ☑

Client contacted: Date contacted: Contacted by:

Comments:

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed 05/22/08

Leak Check Compound as Dichlorodifluoroethane*

Extraction method: TO15 Analytical methods: TO15 Work Order: 0805392

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	1,1-Difluoroethane	DF	% SS
001A	SG-1	SoilVapor	11.9	23.72	ND	1	N/A
002A	SG-2	SoilVapor	8.13	16.2	ND	1	N/A
003A	SG-3	SoilVapor	12.42	24.74	ND	1	N/A
004A	SG-4	SoilVapor	12.18	24.36	ND	1	N/A
005A	SG-5	SoilVapor	12.21	24.38	ND	1	N/A
006A	SG-6	SoilVapor	11.89	23.78	ND	1	N/A
007A	SG-7	SoilVapor	11.45	22.9	ND	1	N/A
008A	SG-8	SoilVapor	11.48	22.94	ND	1	N/A
009A	SG-9	SoilVapor	11.96	23.84	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	psia	psia	NA	NA
	SoilVapor	psia	psia	10	µg/L

* leak check compound is reported in µg/L.

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

The IPA reference is:

DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 ug/L or less can be achieved."
This implies that 10ug/L is the cut off definition for a leak, which equals 10,000 ug/m3.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

Lab ID	0805392-001A	0805392-002A	0805392-003A	0805392-004A	Reporting Limit for DF =1	
Client ID	SG-1	SG-2	SG-3	SG-4		
Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor		
Initial Pressure (psia)	11.9	8.13	12.42	12.18		
Final Pressure (psia)	23.72	16.2	24.74	24.36	SoilVapor	W
Compound	**Concentration**				µg/m³	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	8.5	NA
Benzene	9.5	ND	9.6	ND	6.5	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	62	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	8.5	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	8.5	NA
Ethylbenzene	ND	ND	ND	ND	8.8	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	7.3	NA
Toluene	9.6	ND	16	ND	7.7	NA
Xylenes	ND	ND	36	ND	27	NA
Surrogate Recoveries (%)						
%SS1:	103	102	103	105		
%SS2:	99	96	95	99		
%SS3:	95	103	99	107		
Comments						

*vapor samples are reported in µg/m³.

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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

DHS ELAP Certification 1644

_____ Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

Lab ID	0805392-005A	0805392-006A	0805392-007A	0805392-008A	Reporting Limit for DF =1	
Client ID	SG-5	SG-6	SG-7	SG-8		
Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor		
Initial Pressure (psia)	12.21	11.89	11.45	11.48		
Final Pressure (psia)	24.38	23.78	22.9	22.94	SoilVapor	W
Compound	**Concentration**				µg/m³	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	8.5	NA
Benzene	7.1	ND	27	ND	6.5	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	62	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	8.5	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	8.5	NA
Ethylbenzene	ND	ND	ND	ND	8.8	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	7.3	NA
Toluene	ND	ND	13	ND	7.7	NA
Xylenes	ND	ND	ND	ND	27	NA
Surrogate Recoveries (%)						
%SS1:	107	104	107	102		
%SS2:	101	96	100	99		
%SS3:	109	111	101	---#		
Comments						

*vapor samples are reported in µg/m³.

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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

					Reporting Limit for DF =1	
Lab ID	0805392-009A					
Client ID	SG-9					
Matrix	Soil Vapor					
Initial Pressure (psia)	11.96					
Final Pressure (psia)	23.84				SoilVapor	W
Compound	**Concentration**				µg/m³	ug/L
tert-Amyl methyl ether (TAME)	ND				8.5	NA
Benzene	ND				6.5	NA
t-Butyl alcohol (TBA)	ND				62	NA
Diisopropyl ether (DIPE)	ND				8.5	NA
Ethyl tert-butyl ether (ETBE)	ND				8.5	NA
Ethylbenzene	ND				8.8	NA
Methyl-t-butyl ether (MTBE)	ND				7.3	NA
Toluene	ND				7.7	NA
Xylenes	ND				27	NA
Surrogate Recoveries (%)						
%SS1:	100					
%SS2:	100					
%SS3:	94					
Comments						

*vapor samples are reported in µg/m³.

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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

Lab ID	0805392-001A	0805392-002A	0805392-003A	0805392-004A	Reporting Limit for DF =1	
Client ID	SG-1	SG-2	SG-3	SG-4		
Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor		
Initial Pressure (psia)	11.9	8.13	12.42	12.18		
Final Pressure (psia)	23.72	16.2	24.74	24.36	SoilVapor	W
Compound	**Concentration**				nL/L	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	2.0	NA
Benzene	3.0	ND	3.0	ND	2.0	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	20	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	2.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	2.0	NA
Ethylbenzene	ND	ND	ND	ND	2.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	2.0	NA
Toluene	2.5	ND	4.2	ND	2.0	NA
Xylenes	ND	ND	8.2	ND	6.0	NA
Surrogate Recoveries (%)						
%SS1:	103	102	103	105		
%SS2:	99	96	95	99		
%SS3:	95	103	99	107		
Comments						

*vapor samples are reported in nL/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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

Lab ID	0805392-005A	0805392-006A	0805392-007A	0805392-008A	Reporting Limit for DF =1	
Client ID	SG-5	SG-6	SG-7	SG-8		
Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor		
Initial Pressure (psia)	12.21	11.89	11.45	11.48		
Final Pressure (psia)	24.38	23.78	22.9	22.94	SoilVapor	W
Compound	**Concentration**				nL/L	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	2.0	NA
Benzene	2.2	ND	8.5	ND	2.0	NA
t-Butyl alcohol (TBA)	ND	ND	ND	ND	20	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	2.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	2.0	NA
Ethylbenzene	ND	ND	ND	ND	2.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	2.0	NA
Toluene	2.0	ND	3.4	ND	2.0	NA
Xylenes	ND	ND	ND	ND	6.0	NA
Surrogate Recoveries (%)						
%SS1:	107	104	107	102		
%SS2:	101	96	100	99		
%SS3:	109	111	101	---#		
Comments						

*vapor samples are reported in nL/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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/22/08
	Client P.O.:	Date Analyzed: 05/22/08

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0805392

					Reporting Limit for DF =1	
Lab ID	0805392-009A					
Client ID	SG-9					
Matrix	Soil Vapor					
Initial Pressure (psia)	11.96					
Final Pressure (psia)	23.84				SoilVapor	W
Compound	**Concentration**				nL/L	ug/L
tert-Amyl methyl ether (TAME)	ND				2.0	NA
Benzene	ND				2.0	NA
t-Butyl alcohol (TBA)	ND				20	NA
Diisopropyl ether (DIPE)	ND				2.0	NA
Ethyl tert-butyl ether (ETBE)	ND				2.0	NA
Ethylbenzene	ND				2.0	NA
Methyl-t-butyl ether (MTBE)	ND				2.0	NA
Toluene	ND				2.0	NA
Xylenes	ND				6.0	NA
Surrogate Recoveries (%)						
%SS1:	100					
%SS2:	100					
%SS3:	94					
Comments						

*vapor samples are reported in nL/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.

j) sample diluted due to high organic content; m) this compound was analyzed by 8260B; p) see attached narrative.

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_____ Angela Rydelius, Lab Manager

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/20/08-05/21/08
	Client P.O.:	Date Analyzed 05/20/08-05/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline in µg/m³*

Extraction method TO3 Analytical methods TO3 Work Order: 0805392

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	TPH(g)	DF	% SS
001A	SG-1	SoilVapor	11.9	23.72	ND	1	N/A
002A	SG-2	SoilVapor	8.13	16.2	ND	1	N/A
003A	SG-3	SoilVapor	12.42	24.74	ND	1	N/A
004A	SG-4	SoilVapor	12.18	24.36	ND	1	N/A
005A	SG-5	SoilVapor	12.21	24.38	ND	1	N/A
006A	SG-6	SoilVapor	11.89	23.78	ND	1	N/A
007A	SG-7	SoilVapor	11.45	22.9	ND	1	N/A
008A	SG-8	SoilVapor	11.48	22.94	ND	1	N/A
009A	SG-9	SoilVapor	11.96	23.84	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W			NA	NA
	SoilVapor			1800	µg/m³

*soil vapor samples are reported in µg/m³.

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.

a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?) g) strongly aged gasoline or diesel range compounds are significant; j) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) no recognizable pattern.j) sample diluted due to high organic content.

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AEI Consultants	Client Project ID: #277254; Diversified	Date Sampled: 05/14/08
2500 Camino Diablo, Ste. #200		Date Received: 05/15/08
Walnut Creek, CA 94597	Client Contact: Leah Goldberg	Date Extracted: 05/20/08-05/21/08
	Client P.O.:	Date Analyzed 05/20/08-05/21/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline in nL/L*

Extraction method TO3 Analytical methods TO3 Work Order: 0805392

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	TPH(g)	DF	% SS
001A	SG-1	SoilVapor	11.9	23.72	ND	1	N/A
002A	SG-2	SoilVapor	8.13	16.2	ND	1	N/A
003A	SG-3	SoilVapor	12.42	24.74	ND	1	N/A
004A	SG-4	SoilVapor	12.18	24.36	ND	1	N/A
005A	SG-5	SoilVapor	12.21	24.38	ND	1	N/A
006A	SG-6	SoilVapor	11.89	23.78	ND	1	N/A
007A	SG-7	SoilVapor	11.45	22.9	ND	1	N/A
008A	SG-8	SoilVapor	11.48	22.94	ND	1	N/A
009A	SG-9	SoilVapor	11.96	23.84	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W			NA	NA
	SoilVapor			500	nL/L

*soil vapor samples are reported in nL/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.

j) sample diluted due to high organic content.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor WorkOrder: 0805392

EPA Method TO15 **Extraction TO15** **BatchID: 35670** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	110	110	0	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	95.4	95.3	0.103	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	106	106	0	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	103	103	0	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	103	102	1.20	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	104	103	0.413	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	104	106	1.93	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	98.2	94.9	3.44	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	94	94	0	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	105	108	2.45	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	93	87	6.56	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 35670 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805392-001A	05/14/08 10:10 AM	05/15/08	05/22/08 2:52 AM	0805392-002A	05/14/08 11:47 AM	05/15/08	05/22/08 3:37 AM
0805392-003A	05/14/08 12:35 PM	05/15/08	05/22/08 4:17 AM	0805392-004A	05/14/08 3:23 PM	05/15/08	05/22/08 5:04 AM
0805392-005A	05/14/08 3:51 PM	05/15/08	05/22/08 5:54 AM	0805392-006A	05/14/08 12:57 PM	05/15/08	05/22/08 6:43 AM
0805392-007A	05/14/08 1:23 PM	05/15/08	05/22/08 7:33 AM	0805392-008A	05/14/08 2:32 PM	05/15/08	05/22/08 8:12 AM
0805392-009A	05/14/08 2:57 PM	05/15/08	05/22/08 8:57 AM				

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

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

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

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO3

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor WorkOrder: 0805392

EPA Method TO3	Extraction TO3	BatchID: 35552	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(g)	N/A	1250	N/A	N/A	N/A	101	101	0	N/A	N/A	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 35552 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805392-001A	05/14/08 10:10 AM	05/15/08	05/20/08 6:21 PM	0805392-002A	05/14/08 11:47 AM	05/15/08	05/20/08 6:59 PM
0805392-003A	05/14/08 12:35 PM	05/15/08	05/20/08 7:35 PM	0805392-004A	05/14/08 3:23 PM	05/15/08	05/20/08 8:13 PM

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

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

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

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO3

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor WorkOrder: 0805392

EPA Method TO3	Extraction TO3	BatchID: 35671	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(g)	N/A	1250	N/A	N/A	N/A	98.5	98.6	0.0663	N/A	N/A	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 35671 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0805392-005A	05/14/08 3:51 PM	05/15/08	05/20/08 8:49 PM	0805392-006A	05/14/08 12:57 PM	05/15/08	05/20/08 9:28 PM
0805392-007A	05/14/08 1:23 PM	05/15/08	05/21/08 9:48 AM	0805392-008A	05/14/08 2:32 PM	05/15/08	05/20/08 10:42 PM
0805392-009A	05/14/08 2:57 PM	05/15/08	05/20/08 11:18 PM				

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

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

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

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644

QA/QC Officer

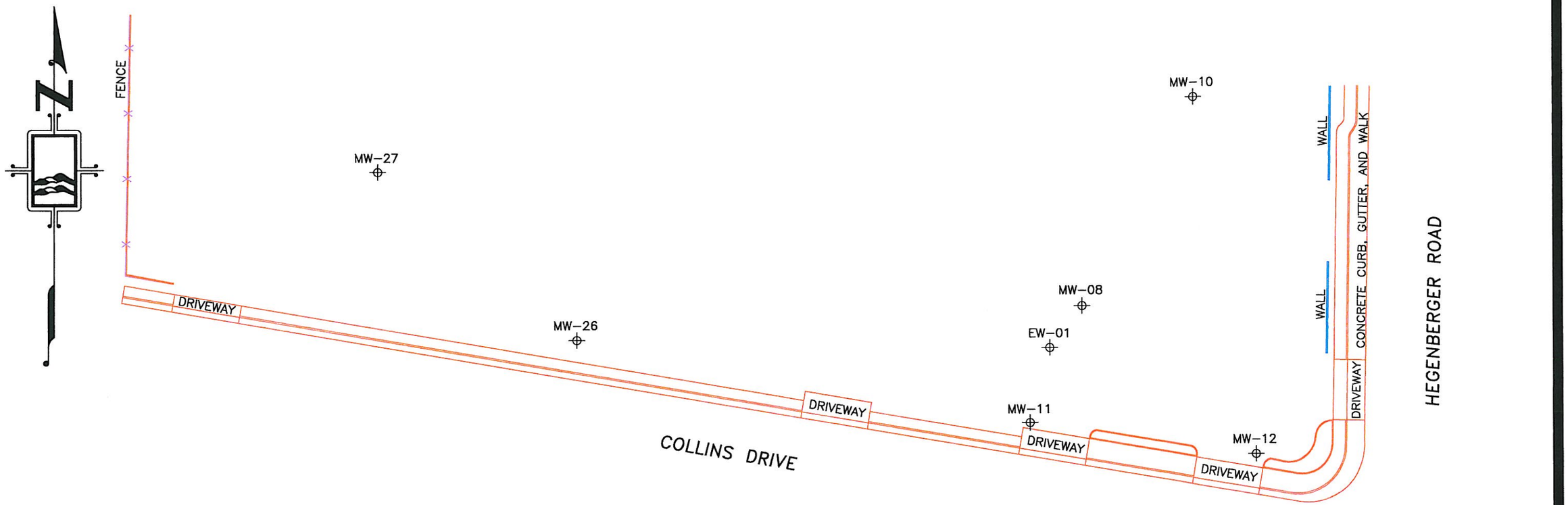
APPENDIX C

Well Survey

Monitoring Well Exhibit

Prepared For:

AEI Consultants



0 25 50 100 150

SCALE IN FEET

Monitoring Well Survey
625 Hegenberger Road
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1255 Starboard Drive
West Sacramento
California 95691
(916) 372-8124
paulg@morrowsurveying.com

Date: 6-16-08
Scale: 1" = 50'
Sheet 1 of 2
Revised:
Field Book: MW-41
Dwg. No. 0116-041 PG

Monitoring Well Exhibit

Prepared For:

AEI Consultants

DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (BOX)
MW-08	2098479.9	6071106.7	37.7458223	-122.1967402	10.01	10.97
MW-10	2098581.7	6071161.7	37.7461047	-122.1965564	10.25	10.70
MW-11	2098422.8	6071081.2	37.7456644	-122.1968246	11.07	11.78
MW-12	2098407.4	6071192.2	37.7456274	-122.1964397	10.66	11.36
MW-26	2098463.5	6070859.3	37.7457648	-122.1975944	11.17	11.45
MW-27	2098545.7	6070762.0	37.7459858	-122.1979361	10.06	10.66
EW-01	2098459.5	6071090.9	37.7457654	-122.1967934	11.30	11.66

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.

COORDINATE DATUM IS NAD 83(CORS).

DATUM ELLIPSOID IS GRS80.

REFERENCE GEOID IS GEOID03.

CORS STATIONS USED WERE FARB AND TIBB.

VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.

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