Mr. Paresh Khatri
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: 6310 Houston Place, Dublin, California 94568
ACEHS Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Mr. Cary Grayson

November 13, 2007

GROUNDWATER MONITORING REPORT
4th Quarter, 2007

6310 Houston Place
Dublin, California

Project No. 261639
ACHCSA Fuel Leak Case RO0002862

Prepared For

Mr. Cary Greyson
G & G International Holding
PO Box 1435
Alamo, CA 94507

Prepared By

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

AEI

AEI CONSULTANTS
ENVIRONMENTAL & CIVIL ENGINEERING

2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597
Phone: (925) 283-6000 Fax: (925) 944-2895

November 13, 2007

Mr. Cary Greyson
G & G International Holding
PO Box 1435
Alamo, CA 94507

Subject: **4th Quarter Groundwater Monitoring Report**
6310 Houston Place
Dublin, California
AEI Project No. 261639
ACHCS Fuel Leak Case RO0002862

Dear Mr. Greyson:

AEI Consultants (AEI) has prepared this report on your behalf to document the required ongoing groundwater investigation at the above referenced property (Figure 1: Site Location Map). The investigation was initiated by the Alameda County Health Care Services Agency (ACHCSA). The purpose of this procedure is to monitor groundwater quality in the vicinity of previous underground storage tanks (USTs). This report presents the monitoring and sampling event performed during the 4th Quarter 2007, which occurred on October 11, 2007.

I Background

The subject property is located in a commercial and light industrial area of Dublin, on the south side of Houston Place, just east of Dougherty Road. The subject property yard is currently vacant, although, the building is used for storage. Please refer to Figures 1 and 2 for the site location map and site plan details.

According to records on file with the Dublin Building Department (DBD), three USTs (one 12,000-gallon diesel USTs, one 7,500-gallon gasoline UST, and one 2,000-gallon gasoline UST) were installed on the subject property in 1968.

According to a case closure summary report prepared by the ACHCSA, a piping leak and a localized surface spill of used motor oil were discovered at the site prior to 1984. Following the release, 156 cubic yards of contaminated soil was removed from the site to the satisfaction of San Francisco Bay Regional Water Quality Control Board (SFRWQCB). On March 31, 1989, four USTs (one 500-gallon waste oil, two 12,000-gallon and one 8,000-gallon diesel tanks) were excavated, three of which were removed. One 12,000-gallon diesel UST was refinished internally with "Glass Armor" coating and was reinstalled for continued use. Soil samples collected from the sidewalls of the excavation during tank removal activities had concentrations of Total Petroleum Hydrocarbons as diesel (TPH-d) to 190 milligrams per kilogram (mg/kg) and Total Oil and Grease (TOG) up to 240 mg/kg. No concentrations of TPH as gasoline; Benzene,

Toluene, Ethylbenzene, and total Xylenes (BTEX); or chlorinated hydrocarbons were detected in these samples. One grab groundwater sample was collected from the diesel UST excavation, which had concentrations of TPH-d and TOG up to 380,000 micrograms per liter (µg/L) and 50,000 µg/l, respectively.

Following removal of the three USTs, three groundwater monitoring wells (MW-1 through MW-3) were installed on August 9, 1989, and quarterly groundwater monitoring and sampling commenced. To further define the extent of the groundwater contamination plume, three additional wells (MW-4 through MW-6) were installed between May 1990 and March 1991. TPH-d and TOG were detected up to 22,000 µg/L and 8,600 µg/L, respectively, during initial sampling of these wells. Intermittent monitoring and sampling of the wells continued between August 1989 and October 1994. During the last sampling episode conducted in October 1994 concentrations of TPH-d and TOG were detected up to 850 µg/L and 600 µg/L, respectively. Refer to Appendix A for previous groundwater sample analytical results.

Based on the gradual decline of TPH-d and TOG in the groundwater, and the remaining low concentrations of these contaminants in groundwater and soil, the ACHCSA granted case closure in a letter dated February 28, 1995. The former onsite monitoring wells were subsequently decommissioned.

At the request of a prospective purchaser of the property, AEI collected samples from on-site monitoring wells MW-1, MW-2, and MW-5 on January 23, 2001. TPH-d was detected up to 5,200 µg/L in the samples. No concentrations of TOG were detected in these samples.

On October 27, 2004, the remaining 12,000-gallon diesel UST, fuel dispensers, and product piping were removed from the subject property by Golden Gate Tank Removal, Inc. (GGTR). Following excavation, GGTR collected a total of seven soil and two groundwater samples from the UST excavation bottom and sidewall, overburden stockpile, and areas in the vicinity of the fuel dispensers and product piping. These samples were analyzed for TPH-d, MTBE, and BTEX. TPH-d was detected at concentrations of 6 mg/kg and 197 mg/kg in stockpile soil samples and at a concentration of 1 mg/kg in a soil sample obtained from the UST excavation sidewall. TPH-d was detected in the water sample collected from the UST pit at 0.3 mg/L and at 23.8 mg/L in water that was present in the shallow excavation beneath the dispenser. Locations of the samples collected by GGTR are shown on Figure 2 and a summary of sample analytical data from the tank removal is presented in Tables 1 and 2. The excavation was backfilled with the stockpiled soil and imported fill.

This report documents the 4th Quarter Groundwater Monitoring event for the site, conducted on October 15, 2007.

II Summary of Activities

AEI measured depth to groundwater in the seven wells labeled DW-1 through DW-7 on October 11, 2007. The depth from the top of the well casings was measured with an electric water level

indicator prior to sampling. The field parameters measured was recorded on field data forms. Copies of the field data are shown in Appendix A.

AEI purged at least 3 well volumes from each well. These wells were purged with a submersible pump. Temperature, turbidity, pH, specific conductivity, and oxidation-reduction potential (ORP) were measured during the purging of the wells. Following the recovery of groundwater levels to at least 90%, a groundwater sample was collected using clean, disposable bailers. The well locations are shown in Figure 2.

Groundwater samples were collected into 40 ml volatile organic analysis vials (VOAs) and 1-liter amber bottles supplied by the laboratory. The VOAs were filled and capped so that no head space or air bubbles were evident. Samples were labeled, placed in a pre-chilled cooler, and transported that same day under proper chain of custody protocol to McCampbell Analytical, Inc (Department of Health Services Certification #1644) of Pittsburg, CA. Laboratory results and chain of custody documents are included in Appendix B.

The seven groundwater samples were submitted for chemical analyses for the following:

- TPH-g by EPA method 8015M
- TPH-d by EPA method 8015M
- BTEX by EPA method 8020/8021
- MTBE by EPA method 8260

III Field Results

Groundwater levels for the current monitoring episode ranged from 326.16 (DW-4) to 326.46 (DW-6) feet above Mean Sea Level (MSL). The direction of the groundwater flow at the time of measurement was towards the southwest. The latest estimated groundwater hydraulic gradient was approximately 0.0028 feet per foot. A sheen was noted during sample collection in wells DW-1 through DW-3.

Groundwater elevation data is summarized in Table 1. The groundwater elevation contours and the groundwater flow direction are shown in Figure 3. Refer to Appendix A for the Groundwater Monitoring Well Field Sampling Forms.

IV Groundwater Quality

TPH-g was detected in well DW-3 at a concentration of 18,000 µg/L. TPH-d was detected in wells DW-1 through DW-5 at concentrations ranging from 640 µg/L (DW-4) to 71,000 µg/L (DW-3). MTBE was detected at 0.80 µg/L in DW-4. MTBE was not detected at or exceeding laboratory detection limits in any other wells. BTEX was non-detectable at or exceeding laboratory detection limits in all wells.

A summary of groundwater quality data is presented in Table 2. Laboratory results and chain of custody documents are included in Appendix B.

V Summary

Based on analytical data for this 4th Quarter monitoring event, TPH-d concentrations decreased significantly in wells DW-1 through DW-3. However, 4th Quarter 2007 concentrations for wells DW-1 through DW-4 were higher than concentrations detected in these wells during the initial 2nd Quarter 2007 sampling event. TPH-g concentrations in the wells remained at non-detect and low levels, with the exception of an increase in DW-3, however, the detections of TPH-g may be the result of compound range overlap of the analytical method. The lack of BTEX detections in the wells as of yet confirm the hypothesis that the majority of the release from the UST is composed of diesel-range compounds. MTBE was detected a relatively low levels again in DW-4. Water table and contaminant fluctuations will continue to be observed as a year elapses from the installation of the monitoring wells.

A sheen has been detected in several of the groundwater samples gathered from the site, however, no measurable free product has been observed to date. The extent of free phase diesel also appears to be limited. Based on findings from investigations to date and as required by the ACHCSA, an interim corrective action plan (ICAP) is being prepared to mitigate the diesel release and will be submitted shortly.

VI Previous Documentation

ACHCSA, Letter, April 12, 2005

ACHCSA, Letter, January 20, 2006

ACHCSA, Letter, March 10, 2006

ACHCSA, Letter, July 31, 2006

ACHCSA, Letter, October 3, 2006

ACHCSA, Letter, November 14, 2006

AEI, *Work Plan – Soil and Groundwater Investigation*, 6310 Houston Place, Dublin, California, dated July 11, 2005.

AEI, *Soil and Groundwater Investigation Report*, 6310 Houston Place, Dublin, California, dated June 28, 2006.

AEI, *Monitoring Well Installation Workplan and Addendum*, 6310 Houston Place, Dublin, California, dated September 19, 2007 and November 2, 2007, respectively.

Golden Gate Tank Removal, *Tank Closure Report*, 6310 Houston Place, Dublin, California, dated December 2, 2004.

USGS, Quaternary Geology Of Contra Costa County, And Surrounding Parts Of Alameda, Marin, Sonoma, Solano, Sacramento, And San Joaquin Counties, California,1997, Prepared by E. J Helley, et al.

VII Report Limitation

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

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

If you have any questions regarding our investigation, please do not hesitate to contact Peter McIntyre or Adrian Angel at (925) 944-2899.

Sincerely,
AEI Consultants

Adrian M. Angel
Project Geologist

Robert F. Flory P.G.
Senior Project Manager

Figures

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Elevation
Figure 4: Analytical Data

Tables

Table 1: Groundwater Levels
Table 2: Groundwater Sample Analytical Data

Attachments

Appendix A: Groundwater Monitoring Well Field Sampling Forms
Appendix B: Laboratory Analyses With Chain of Custody Documentation

Distribution:

Mr. Cary Greyson
G&G International Holding
PO Box 1435
Alamo, CA 945407
2 Hard Copies

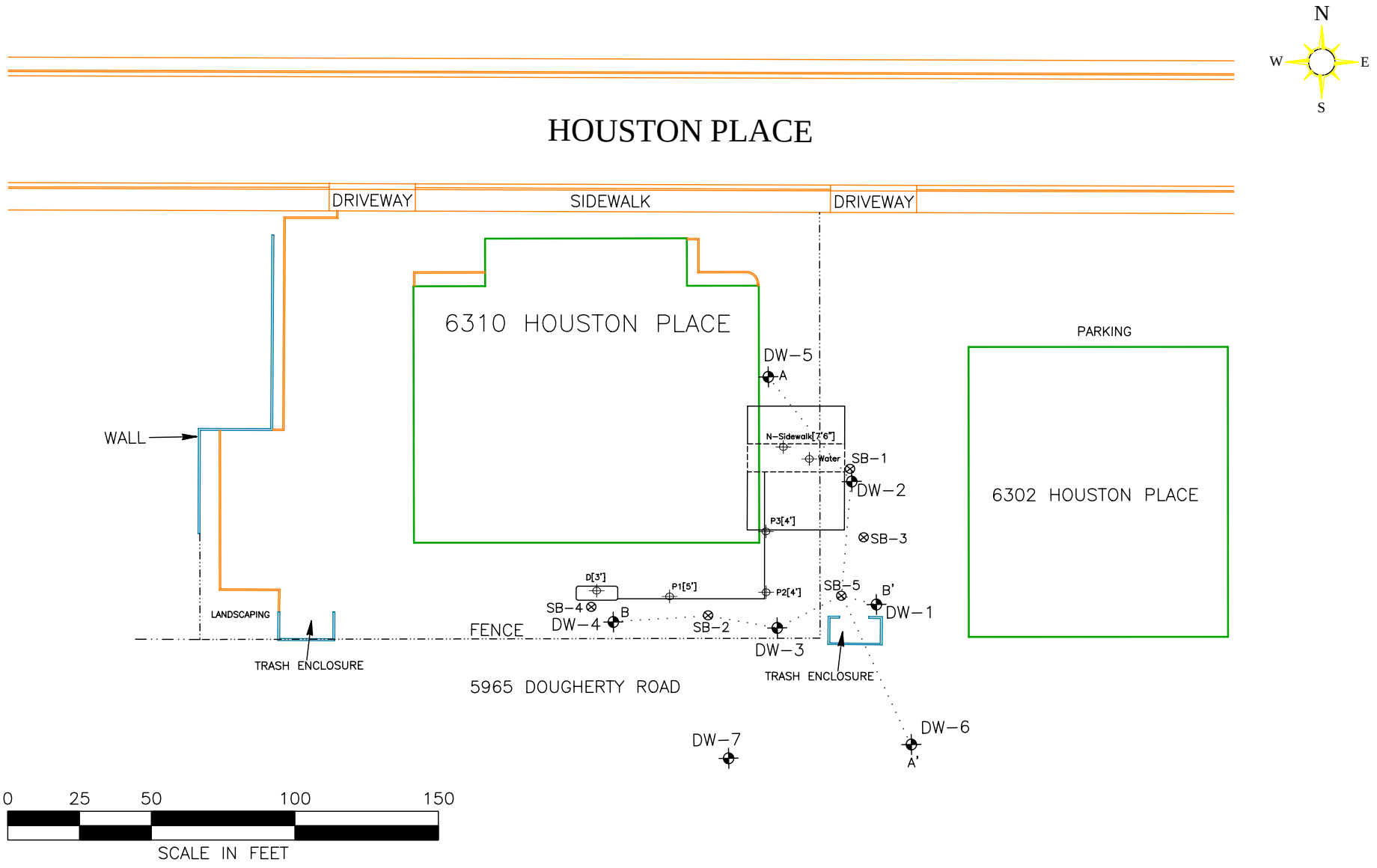
Mr. Barney Chan
ACHCSA
1131 Harbor Bay Parkway, #250
Oakland, CA 94612
Electronic upload to FTP site

Geotracker (electronic upload)

FIGURES

AEI CONSULTANTS

HOUSTON PLACE



LEGEND

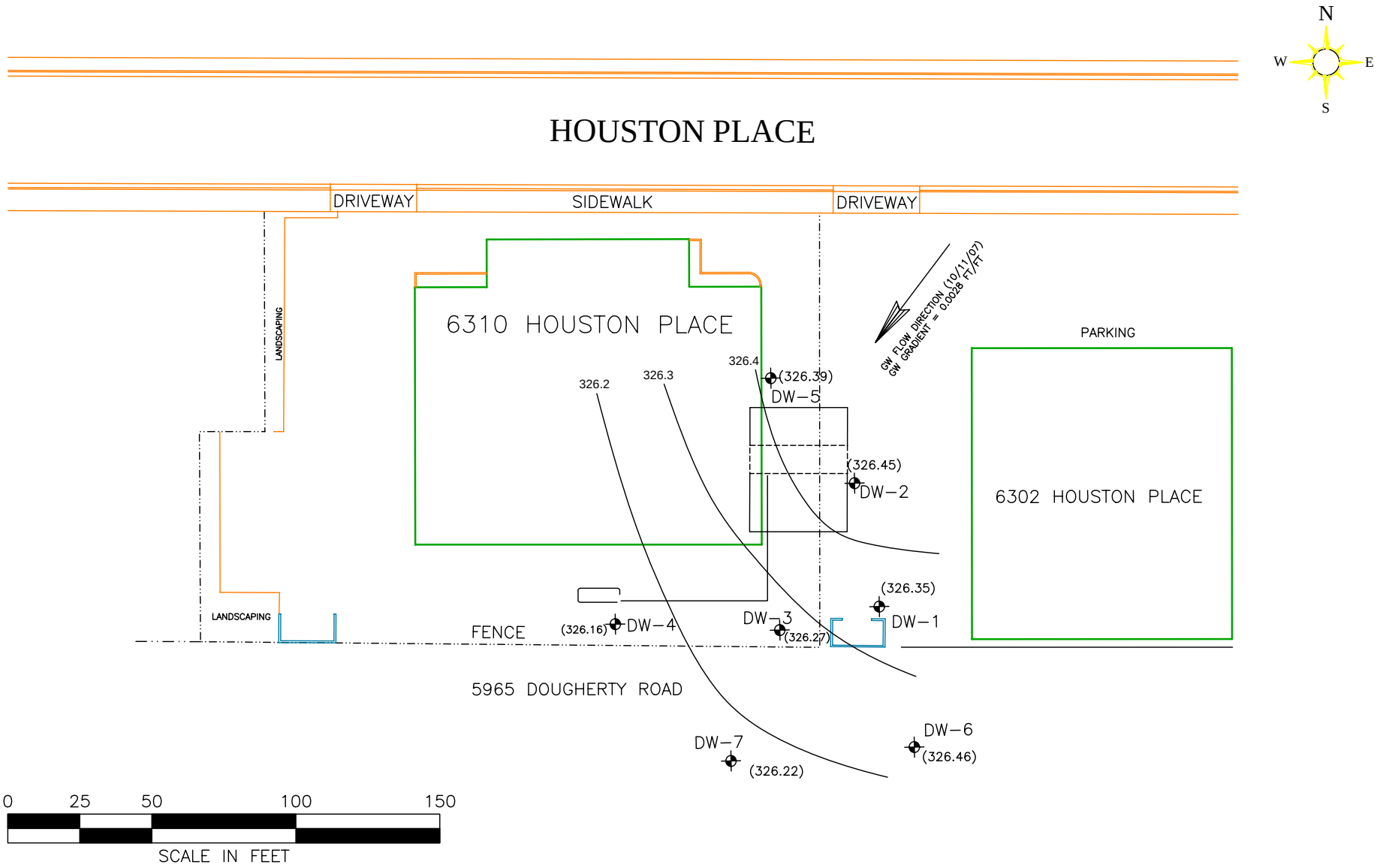
- GROUNDWATER MONITORING WELL
- BORING LOCATION (3/14/06)
- TANK REMOVAL SAMPLE LOCATION
- ----- EXCAVATION BOUNDARY (12,000-GAL. DIESEL UST)
- . . . . FENCE DIAGRAM LINE

AEI CONSULTANTS
2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

SITE PLAN

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 2
PROJECT NO. 261639



LEGEND

GROUNDWATER MONITORING WELL

***EVENT PERFORMED 10/11/07
DW-6 NOT USED IN CALCULATION

(326.51) = GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL

326.4 = Contour Elevation

CONTOUR INTERVAL = 0.1 FT.

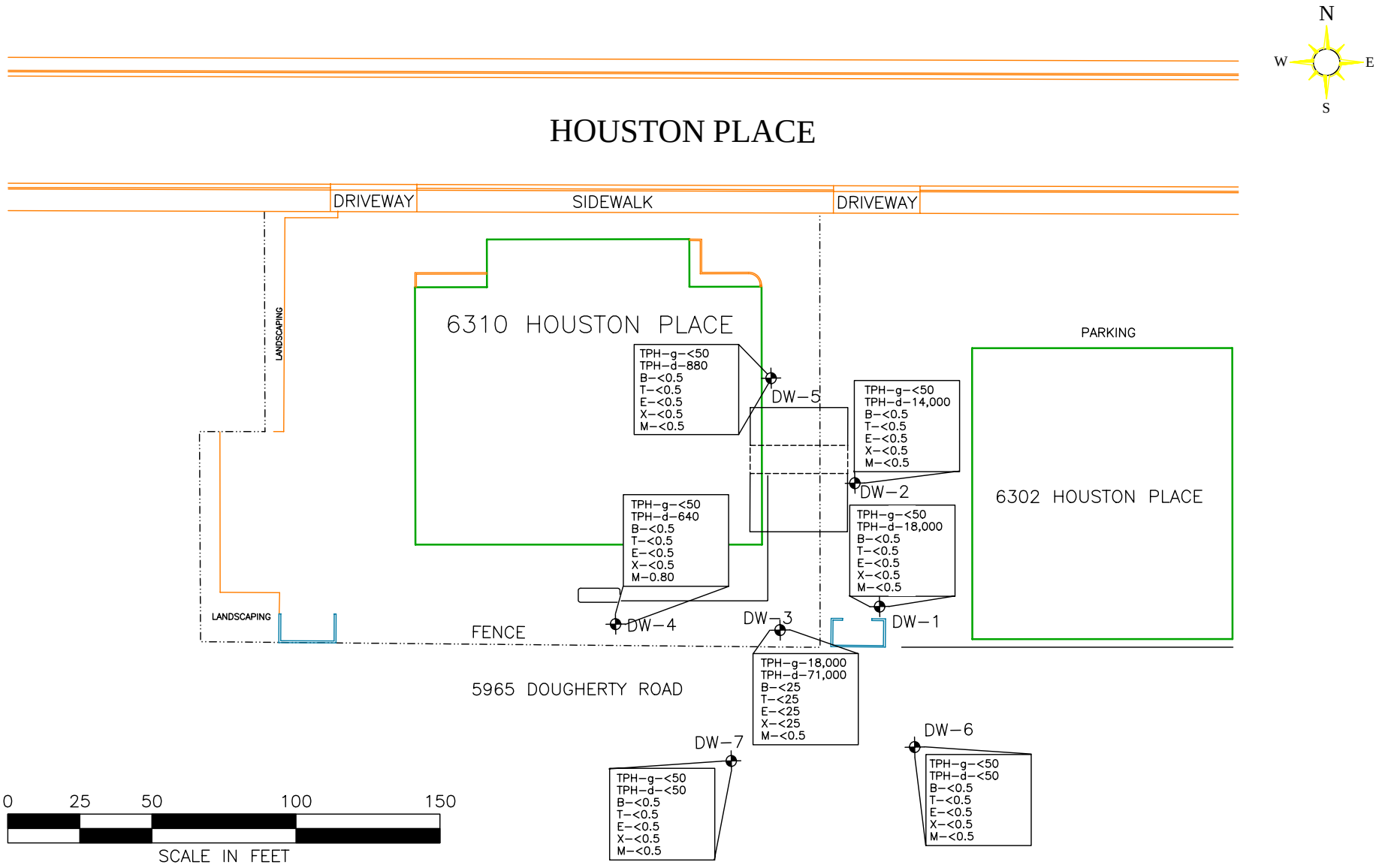
AEI CONSULTANTS

2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

GROUNDWATER ELEVATION (10/11/07)

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 3
PROJECT NO. 261639



LEGEND

GROUNDWATER MONITORING WELL

*EVENT PERFORMED 10/11/07

TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GAS
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TPH-MO-TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
B-BENZENE, T-TOLUENE, E-ETHYLBENZENE, X-XYLENES, M-MTBE
**SAMPLE CONCENTRATIONS IN MICROGRAMS PER LITER (uG/L)

AEI CONSULTANTS
2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

GROUNDWATER ANALYTICAL DATA (10/11/07)

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 4
PROJECT NO. 261639

TABLES

AEI CONSULTANTS

Table 1, 6310 Houston Place, Dublin CA
Monitoring Well Construction Details

Well ID	Date Drilled	Top of Casing Elevation (ft amsl)	Well Box Rim Elevation (ft amsl)	Well Depth (ft)	Slotted Casing (ft)	Slot Size (in)	Blank Casing (ft)	Sand Interval (ft)	Sand Size	Bentonite Interval (ft)	Grout Interval (ft)
DW-1	03/14/07	334.23	334.44	17.00	7-17	0.010	0.2-5	4-17	# 2/12	3-4	0.75-2
DW-2	03/14/07	334.00	334.48	17.00	7-17	0.010	0.5-5	4-17	# 2/12	3-4	0.75-2
DW-3	03/14/07	334.56	334.99	17.00	7-17	0.010	0.4-5	4-17	# 2/12	3-4	0.75-2
DW-4	03/14/07	334.49	334.95	17.00	7-17	0.010	0.5-5	4-17	# 2/12	3-4	0.75-2
DW-5	03/15/07	333.91	334.5	17.00	7-17	0.010	0.6-5	4-17	# 2/12	3-4	0.75-2
DW-6	03/15/07	334.99	335.44	17.00	7-17	0.010	0.5-5	4-17	# 2/12	3-4	0.75-2
DW-7	03/15/07	335.18	335.62	17.00	7-17	0.010	0.4-5	4-17	# 2/12	3-4	0.75-2

Notes:
ft amsl = feet above mean sea level

Table 2: 6310 Houston Place, Dublin, CA
Groundwater Elevation Data

Well ID (Screen Interval)	Date Collected	Well Elevation *(ft amsl)*	Depth to Water *(ft)*	Groundwater Elevation *(ft amsl)*
DW-1	4/10/2007	334.23	7.44	326.79
(7 - 17)	7/12/2007	334.23	7.72	326.51
	10/11/2007	**334.23**	**7.88**	**326.35**
DW-2	4/10/2007	334.00	7.09	326.91
(7 - 17)	7/12/2007	334.00	7.40	326.60
	10/11/2007	**334.00**	**7.55**	**326.45**
DW-3	4/10/2007	334.56	7.90	326.66
(7 - 17)	7/12/2007	334.56	8.19	326.37
	10/11/2007	**334.56**	**8.29**	**326.27**
DW-4	4/10/2007	334.49	7.99	326.50
(7 - 17)	7/12/2007	334.49	8.22	326.27
	10/11/2007	**334.49**	**8.33**	**326.16**
DW-5	4/10/2007	333.91	7.00	326.91
(7 - 17)	7/12/2007	333.91	7.36	326.55
	10/11/2007	**333.91**	**7.52**	**326.39**
DW-6	4/10/2007	334.99	8.62	326.37
(7 - 17)	7/12/2007	334.99	8.81	326.18
	10/11/2007	**334.99**	**8.53**	**326.46**
DW-7	4/10/2007	335.18	8.11	327.07
(7 - 17)	7/12/2007	335.18	8.34	326.84
	10/11/2007	**335.18**	**8.96**	**326.22**

Event #	Date	Average Water Table Elevation (ft amsl)	Change from Previous Episode (ft)	Flow Direction (gradient) (ft/ft)
1	3/9/2006	326.74	NA	S-SW / 0.005
2	7/12/2006	326.41	-0.33	S-SW/0.0036
3	**10/11/2007**	**326.33**	**-0.08**	**SW/0.0028**

ft amsl = feet above mean sea level
All water level depths are measured from the top of casing
***Average Water Table Elevation and Flow Direction do not include DW-7

Table 3: 6310 Houston Place, Dublin, CA

Groundwater Sample Analytical Data - TPH, BTEX, Fuel Additives

Sample ID	Date	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE µg/L	TAME µg/L	TBA µg/L	DIPE µg/L	ETBE µg/L	Ethanol µg/L	Methanol µg/L
DW-1	4/10/2007	100	8,000	2,800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	100	30,000	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	10/11/2007	**<50**	**18,000**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**
DW-2	4/10/2007	180	8,200	<5,000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	120	34,000	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	10/11/2007	**<50**	**14,000**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**
DW-3	4/10/2007	220	27,000	9,200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	2,200	210,000	-	<0.5	<1.7	<1.7	<1.7	<1.7	-	-	-	-	-	-
	10/11/2007	**18,000**	**71,000**	**-**	**<25**	**<25**	**<25**	**<25**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**
DW-4	4/10/2007	<50	65	<250	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	<50	300	-	<0.5	<0.5	<0.5	<0.5	0.87	-	-	-	-	-	-
	10/11/2007	**<50**	**640**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.80**	**-**	**-**	**-**	**-**	**-**	**-**
DW-5	4/10/2007	<50	800	320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	<50	990	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	10/11/2007	**<50**	**880**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**
DW-6	4/10/2007	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	<0.5	<50	<500
	7/12/2007	<50	<50	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	10/11/2007	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**
DW-7	4/10/2007	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<50	<500
	7/12/2007	<50	<50	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
	10/11/2007	**<50**	**<50**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**

Notes:
TPHmo = total petroleum hydrocarbons as motor oil (C18+) using EPA Method 8015
TPHd = total petroleum hydrocarbons as diesel (C10-C23) using EPA Method 8015
TPHg = total petroleum hydrocarbons as gasoline (C6-C12) using EPA Method 8015
Benzene, toluene, ethylbenzene, and xylenes using EPA Method 8021B
MTBE = methyl-tertiary butyl ether using EPA Method 8260B
TBA = tert-butyl alcohol using EPA Method 8260B
TAME = tert-amyl methyl ether using EPA Method 8260B
DIPE = diisopropyl ether using EPA Method 8260B
ETBE = ethyl tert-butyl ether using EPA Method 8260B
Methanol and Ethanol using EPA Method 8260B
SVOCs using EPA Method 8270C
µg/L= micrograms per liter
ND<50 = non detect at respective reporting limit

APPENDIX A

MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-1

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin, CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	334.23		
Depth of Well	17.00		
Depth to Water (from top of casing)	7.88		
Water Elevation (feet above msl)	326.35		
Well Volumes Purged	3		
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.3**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially grey, clears quickly		
Free Product Present?	Yes	Thickness (ft):	Sheen

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liters

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
12:55	1	21.04	7.01	8905	0.62	-122.8	Clear
12:56	2	21.12	7.02	8932	0.55	-122.2	Clear
12:57	3	21.01	7.01	8946	0.49	-121.8	Clear
12:58	4	20.90	7.00	8937	0.46	-123.7	Clear
12:59	5	20.82	6.99	8901	0.45	-124.0	Clear

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-2

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	334.00		
Depth of Well	17.00		
Depth to Water (from top of casing)	7.55		
Water Elevation (feet above msl)	326.45		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.5**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially grey, clears after 3 gallons		
Free Product Present?	Yes	Thickness (ft):	Sheen

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
12:44	1	23.80	7.30	4051	0.48	-135.9	Light Grey
12:45	2	24.07	7.31	4129	0.42	-135.9	Light Grey
12:46	3	23.70	7.34	3904	0.38	-137.5	Clear
12:47	4	23.27	7.35	3612	0.35	-137.8	Clear
12:48	5	23.13	7.35	3584	0.33	-138.2	Clear

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-3

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	116075	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin, CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	334.56		
Depth of Well	17.00		
Depth to Water (from top of casing)	8.29		
Water Elevation (feet above msl)	326.27		
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)	**4.1**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially dark grey, clears after 3 gallons		
Free Product Present?	Yes	Thickness (ft):	Sheen

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
1:09	1	21.84	6.99	7505	0.92	-133.5	Dark Grey
1:10	2	21.78	6.99	7595	0.77	-134.0	Dark Grey
1:11	3	21.27	6.96	7478	0.65	-133.5	Clear
1:12	4	20.83	6.88	7469	0.63	-129.7	Clear
1:13	5	20.58	6.80	7561	0.69	-125.8	Clear

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

Strong petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-4

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	334.49		
Depth of Well	17.00		
Depth to Water (from top of casing)	8.33		
Water Elevation (feet above msl)	326.16		
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)	**4.1**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially light grey, clears after 2 gallons		
Free Product Present?	No	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
12:34	1	22.36	6.96	5885	0.70	-40.9	Light Grey
12:35	2	23.04	6.96	5958	0.55	-28.3	Clear
12:36	3	22.68	6.91	6000	0.51	-19.0	Clear
12:37	4	22.25	6.87	5999	0.51	-13.3	Clear
12:38	5	22.04	6.89	6079	0.54	-9.2	Clear

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

No petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-5

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	333.91		
Depth of Well	17.00		
Depth to Water (from top of casing)	7.52		
Water Elevation (feet above msl)	326.39		
Well Volumes Purged	5		
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	Clear		
Free Product Present?	-	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
12:24	1	22.30	7.06	6210	0.83	-71.2	Clear
12:25	2	22.56	7.06	6239	0.75	-67.4	Clear
12:26	3	22.41	7.04	6333	0.68	-65.0	Clear
12:27	4	22.22	7.02	6382	0.66	-64.1	Clear
12:31	5	21.77	6.94	6444	0.63	-59.8	Clear

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

Slight petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-6

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A. Nieto
Project Address:	6310 Houston Place, Dublin CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	334.99		
Depth of Well	17.00		
Depth to Water (from top of casing)	8.53		
Water Elevation (feet above msl)	326.46		
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)	**4.0**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially light brown, clears after 2 gallons		
Free Product Present?	NO	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
11:21	1	20.33	7.07	8113	0.99	59.0	Light Brown
11:22	2	21.04	7.05	8097	0.80	56.1	Clear
11:23	3	20.83	7.07	8179	0.72	51.2	Clear
11:24	4	20.53	7.10	8017	0.68	46.7	Clear
11:27	5	20.28	7.14	7685	0.64	43.5	Clear

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

No petroleum odors noted.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-7

Project Name:	G&G International Holding	Date of Sampling:	10/11/2007
Job Number:	261639	Name of Sampler:	A Nieto
Project Address:	6310 Houston Place, Dublin CA		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition	OK		
Elevation of Top of Casing (feet above msl)	335.18		
Depth of Well	17.00		
Depth to Water (from top of casing)	8.96		
Water Elevation (feet above msl)	326.22		
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)	**3.8**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially brown, light brown after 2 gallons		
Free Product Present?	NO	Thickness (ft):	

GROUNDWATER SAMPLES

Number of Samples/Container Size: 3 VOAs & 2 1-liter

Time	Vol Removed (gal)	Temperature (deg C)	pH	Conductivity (µS/cm)	DO (mg/L)	ORP (meV)	Comments
11:09	1	20.95	7.06	7344	2.71	33.5	Brown
11:10	2	20.87	7.03	7280	2.22	34.6	Light Brown
11:11	3	20.79	7.02	7197	1.87	35.5	Light Brown
11:12	4	20.64	7.02	7255	1.56	36.4	Light Brown
11:15	5	20.45	7.02	7489	1.35	35.9	Light Brown

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

No petroleum odors noted.

APPENDIX B

LABORATORY ANALYTICAL AND CHAIN OF CUSTODY DOCUMENTATION

AEI CONSULTANTS

McCampbell Analytical, Inc.
"When Quality Counts"

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

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #261639; G&G	Date Sampled: 10/11/07
		Date Received: 10/11/07
	Client Contact: Adrian Angel	Date Reported: 10/17/07
	Client P.O.:	Date Completed: 10/17/07

WorkOrder: 0710415

October 17, 2007

Dear Adrian:

Enclosed are:

1). the results of **7** analyzed samples from your **#261639; G&G project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0710415

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

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

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

Report To: Adrian Angel	**Bill To:** Same
Company: AEI Consultants	
2500 Camino Diablo, Suite 200	
Walnut Creek, CA 94597	**E-Mail:** aangel@aeiconsultants.com
Tel: (925) 944-2899, extension 132	**Fax:** (925) 944-2895
Project #: 261639	**Project Name:** G&G
Project Location: 6310 Houston Place, Dublin, CA	
Sampler Signature:	

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	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 (EPA Method 8260)	Comments
+	DW-1		10/11/07	1:50p	5	VL	X					X				X	X														X	
+	DW-2			1:43			X					X				X	X														X	
+	DW-3			2:03			X					X				X	X														X	
+	DW-4			1:32p			X					X				X	X														X	
+	DW-5			1:25			X					X				X	X														X	
+	DW-6			11:48a			X					X				X	X														X	•
+	DW-7			11:30	1	1	X					X				X	X														X	
					•																											

Relinquished By:	Date:	Time:	Received By:
	10/11/07	4:55p	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 25.2
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB

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

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0710415 **ClientID: AEL**

☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

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

Email: aangel@aeiconsultants.com
TEL: (925) 283-6000 FAX: (925) 283-6121
ProjectNo: #261639; G&G
PO:

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

Requested TAT: 5 days

Date Received: **10/11/2007**
Date Printed: **10/11/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0710415-001	DW-1	Water	10/11/07 1:50:00	☐	A	C	A	B								
0710415-002	DW-2	Water	10/11/07 1:43:00	☐	A	C		B								
0710415-003	DW-3	Water	10/11/07 2:03:00	☐	A	C		B								
0710415-004	DW-4	Water	10/11/07 1:32:00	☐	A	C		B								
0710415-005	DW-5	Water	10/11/07 1:25:00	☐	A	C		B								
0710415-006	DW-6	Water	10/11/07 11:48:00	☐	A	C		B								
0710415-007	DW-7	Water	10/11/07 11:30:00	☐	A	C		B								

Test Legend:

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

Prepared by: Ana Venegas

Comments: Joanne no longer with AEI; invoices to dmockel@aeiconsultants.com

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

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

Client Name: **AEI Consultants**
Date and Time Received **10/11/07 6:32:20 PM**
Project Name: **#261639; G&G**
Checklist completed and reviewed by: Ana Venegas
WorkOrder N°: **0710415** Matrix Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	N ☐
Chain of custody signed when relinquished and received?	Yes ☑	N ☐
Chain of custody agrees with sample labels?	Yes ☑	N ☐
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 ☐	N ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	N ☐	
Samples in proper containers/bottles?	Yes ☑	N ☐	
Sample containers intact?	Yes ☑	N ☐	
Sufficient sample volume for indicated test?	Yes ☑	N ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	N ☐	
Container/Temp Blank temperature	Cooler Temp: 25.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	N ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	N ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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

AEI Consultants	Client Project ID: #261639; G&G	Date Sampled: 10/11/07
2500 Camino Diablo, Ste. #200		Date Received: 10/11/07
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 10/12/07-10/13/07
	Client P.O.:	Date Analyzed 10/12/07-10/13/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0710415

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	DW-1	W	ND,h	ND	ND	ND	ND	ND	1	97
002A	DW-2	W	ND,h	ND	ND	ND	ND	ND	1	97
003A	DW-3	W	18,000,g,h	ND<250	ND<25	ND<25	ND<25	ND<25	50	92
004A	DW-4	W	ND	ND	ND	ND	ND	ND	1	91
005A	DW-5	W	ND	ND	ND	ND	ND	ND	1	100
006A	DW-6	W	ND	ND	ND	ND	ND	ND	1	102
007A	DW-7	W	ND	ND	ND	ND	ND	ND	1	102

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

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: #261639; G&G	Date Sampled: 10/11/07
2500 Camino Diablo, Ste. #200		Date Received: 10/11/07
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 10/15/07-10/17/07
	Client P.O.:	Date Analyzed 10/15/07-10/17/07

Methyl tert-Butyl Ether*

Extraction method SW5030B Analytical methods SW8260B Work Order: 0710415

Lab ID	Client ID	Matrix	Methyl-t-butyl ether (MTBE)	DF	% SS
001C	DW-1	W	ND,h	1	118
002C	DW-2	W	ND,h	1	114
003C	DW-3	W	ND,h	1	102
004C	DW-4	W	0.80	1	103
005C	DW-5	W	ND	1	108
006C	DW-6	W	ND	1	99
007C	DW-7	W	ND	1	105

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

* 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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

AEI Consultants	Client Project ID: #261639; G&G	Date Sampled: 10/11/07
2500 Camino Diablo, Ste. #200		Date Received: 10/11/07
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 10/11/07
	Client P.O.:	Date Analyzed 10/12/07-10/16/07

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method SW3510C Analytical methods SW8015C Work Order: 0710415

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0710415-001B	DW-1	W	18,000,a,h	1	101
0710415-002B	DW-2	W	14,000,a,h	5	102
0710415-003B	DW-3	W	71,000,a,h	20	96
0710415-004B	DW-4	W	640,a	1	118
0710415-005B	DW-5	W	880,a	1	118
0710415-006B	DW-6	W	ND	1	78
0710415-007B	DW-7	W	ND	1	91

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

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0710415

EPA Method SW8015C	Extraction SW3510C	BatchID: 31220	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	114	117	2.66	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	100	106	6.11	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 31220 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710415-001B	10/11/07 1:50 PM	10/11/07	10/13/07 3:28 PM	0710415-002B	10/11/07 1:43 PM	10/11/07	10/15/07 7:03 PM
0710415-003B	10/11/07 2:03 PM	10/11/07	10/15/07 10:28 PM	0710415-004B	10/11/07 1:32 PM	10/11/07	10/12/07 9:22 PM
0710415-005B	10/11/07 1:25 PM	10/11/07	10/12/07 10:29 PM	0710415-006B	10/11/07 11:48 AM	10/11/07	10/16/07 1:28 AM
0710415-007B	10/11/07 11:30 AM	10/11/07	10/15/07 8:25 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.

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0710415

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 31270** **Spiked Sample ID: 0710390-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	87.2	100	13.8	107	91.9	15.2	70 - 130	30	70 - 130	30
MTBE	ND	10	98.3	106	7.73	106	103	2.40	70 - 130	30	70 - 130	30
Benzene	ND	10	99.7	100	0.637	102	99.1	2.86	70 - 130	30	70 - 130	30
Toluene	ND	10	98.1	96.6	1.53	98.3	97.8	0.529	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	99.7	101	1.61	101	98.8	1.74	70 - 130	30	70 - 130	30
Xylenes	ND	30	95	92.3	2.85	95.7	92	3.91	70 - 130	30	70 - 130	30
%SS:	92	10	105	103	2.27	105	102	2.88	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 31270 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710415-001A	10/11/07 1:50 PM	10/13/07	10/13/07 1:29 PM	0710415-002A	10/11/07 1:43 PM	10/13/07	10/13/07 2:00 PM
0710415-003A	10/11/07 2:03 PM	10/12/07	10/12/07 10:27 PM	0710415-004A	10/11/07 1:32 PM	10/13/07	10/13/07 1:21 PM
0710415-005A	10/11/07 1:25 PM	10/13/07	10/13/07 3:01 PM	0710415-006A	10/11/07 11:48 AM	10/12/07	10/12/07 11:25 PM
0710415-007A	10/11/07 11:30 AM	10/13/07	10/13/07 3:32 PM				

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

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

MS / 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.

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0710415

EPA Method SW8260B	Extraction SW5030B	BatchID: 31276	Spiked Sample ID: 0710415-007C

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
Methyl-t-butyl ether (MTBE)	ND	10	101	90.6	11.1	101	117	14.9	70 - 130	30	70 - 130	30
%SS1:	105	10	104	92	11.7	99	114	13.8	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 31276 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710415-001C	10/11/07 1:50 PM	10/17/07	10/17/07 4:44 AM	0710415-002C	10/11/07 1:43 PM	10/17/07	10/17/07 5:30 AM
0710415-003C	10/11/07 2:03 PM	10/15/07	10/15/07 10:41 PM	0710415-004C	10/11/07 1:32 PM	10/15/07	10/15/07 11:33 PM
0710415-005C	10/11/07 1:25 PM	10/16/07	10/16/07 12:26 AM	0710415-006C	10/11/07 11:48 AM	10/16/07	10/16/07 1:18 AM
0710415-007C	10/11/07 11:30 AM	10/16/07	10/16/07 2:12 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.