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

March 31, 2008

GROUNDWATER MONITORING REPORT
First Quarter, 2008

6310 Houston Place
Dublin, California

Project No. 261639
ACHCSA Fuel Leak Case # RO0002862

Prepared For

Mr. Cary Greyson
G&G Holding Company
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 & ENGINEERING SERVICES
2500 Camino Diablo, Walnut Creek, CA 94597
tel 800-801-3224
fax 925-944-2895
www.aeiconsultants.com

March 31, 2008

Mr. Cary Greyson
G&G Holding Company
PO Box 1435
Alamo, California 94507

Subject: **Quarterly Groundwater Monitoring Report**
First Quarter, 2008
6310 Houston Place
Dublin, California
Project No. 261639
ACHCSA Fuel Leak Case # RO0002862

Dear Mr. Cary:

AEI Consultants (AEI) has prepared this report on behalf of G&G International Holding to document the ongoing groundwater investigation at the above referenced site (Figure 1, Site Location Map). The groundwater investigation is being performed in accordance with the requirements of the Alameda County Health Care Services Agency (ACHCSA). The purpose of these activities is to monitor groundwater quality in the vicinity of the identified release of diesel at the site. This report presents the findings of the monitoring event performed during the 1st Quarter of 2008, which occurred on January 25, 2008.

I Background

The subject property is located in a commercial and light industrial area of Dublin, California, on the south side of Houston Place, just east of Dougherty Road. A single building currently exists on the subject property currently, identified as 6310 Houston Place. 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 underground storage tanks (USTs) [one 12,000-gallon diesel UST, one 7,500-gallon gasoline UST, and one 2,000-gallon gasoline UST] were installed at 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 the San Francisco Bay Regional Water Quality Control Board (SF Bay RWQCB). 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.

Following the 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. 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. Based on the gradual decline of TPH-d and TOG in the groundwater, and the remaining low concentrations of these contaminants in the soil and groundwater, the ACHCSA granted case closure in a letter dated February 28, 1995.

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 vicinity of the fuel dispensers and product piping. 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 milligrams per liter (mg/L) and at 23.8 mg/L in water that was present in the shallow excavation beneath the dispenser. The excavation was backfilled with the stockpile soil and imported fill.

Upon reviewing the GGTR Tank Closure Report, the ACHSCA issued a letter requesting additional investigation in a letter dated April 12, 2005.

On March 14, 2006, AEI mobilized to the site and collected soil and groundwater samples from five (5) soil borings advanced in the vicinity of the remaining diesel UST, dispensers, and product piping. TPH-d was detected in only one sample, at a concentration of 53 mg/kg. No other petroleum hydrocarbons were detected in any other soil samples. TPH-d was detected in all five groundwater samples, up to a concentration of 580,000 µg/L. BTEX was not detected in any of the groundwater samples. MTBE was detected in groundwater sample at a concentration of 2.6 µg/L. Please refer to AEI's *Soil and Groundwater Investigation Report*, dated, June 28, 2006, for more detailed information.

On March 14 and 15, 2007, AEI installed seven (7) groundwater monitoring wells at the site and offsite, each to a depth of 17 feet bgs. Elevated concentrations of diesel were detected in onsite wells down-gradient of the former diesel UST. Please refer to AEI's *Monitoring Well Installation Report*, June 19, 2007, for the well construction details and a comprehensive history of the subject site.

The following presents the findings of the 1st Quarter 2008 groundwater monitoring event.

II Summary of Monitoring Activities

AEI measured the depth to groundwater in the seven (7) monitoring wells (labeled DW-1 through DW-7) on January 25, 2008. The well locations are shown on Figure 2. The depth to static groundwater from the top of the well casings was measured with an electric water level indicator prior to sampling.

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

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

Seven (7) groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPH-d) by EPA method 8015C and BTEX by EPA Method 8021B.

III Field Results

Groundwater levels for the current monitoring episode ranged from 327.87 (DW-4) to 328.43 (DW-7) feet above mean sea level (amsl). These groundwater elevations were an average of 1.70 feet higher than the previous episode. Based on these measurements, however not including DW-7, groundwater flows in a southwesterly direction at a gradient of approximately 0.0011 ft/ft, which is consistent with previous episodes.

Groundwater elevation data is summarized in Table 2. The groundwater elevation contours and groundwater flow direction are shown in Figure 3.

IV Groundwater Quality

TPH-d was detected in all onsite wells, DW-1 through DW-5, at concentrations ranging from 240 µg/L (DW-4) up to 66,000 µg/L (DW-3). Diesel was not detected exceeding laboratory reporting limits in offsite wells DW-6 and DW-7. BTEX was not detected exceeding laboratory reporting limits in any of the groundwater samples.

A summary of groundwater quality data is presented in Table 3. Laboratory analytical reports and chain of custody documentation are included in Appendix B.

V Summary

Concentrations of TPH-d decreased in 4 out of 5 onsite wells since the previous event but were within historic ranges. TPH-d has not been detected off-site. A *Corrective Action Pilot Test Work Plan*, dated March 19, 2008, was submitted which proposes pilot scale testing of in-situ chemical oxidation to reduce contaminant concentrations. This plan is currently under review by the ACHCSA.

In the meantime, the next event is tentatively scheduled for the 2nd quarter 2008, in late April of 2008.

VI Previous Documentation

ACHSCA, Letter, April 12, 2005

ACHSCA, Letter, January 20, 2006

ACHSCA, Letter, March 10, 2006

ACHSCA, Letter, July 31, 2006

ACHSCA, Letter, October 3, 2006

ACHSCA, 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 Work Plan and Addendum*, 6310 Houston Place, Dublin, California, dated September 19, 2006 and November 2, 2006, respectively.

AEI, *Corrective Action Pilot Test Work Plan*, 6310 Houston Place, Dublin, California, dated March 19, 2008.

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

VII Report Limitations

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work.

The number and location of samples are chosen to provide the requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

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

If you have any questions regarding our investigation, please do not hesitate to contact either of the undersigned at (925) 283-6000.

Sincerely,
AEI Consultants

Adrian M. Angel
Project Geologist

Peter McIntyre, PG, REA
Senior Project Manager

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 2/31/08
No. 7702
STATE OF CALIFORNIA

Russell Bartlett
Staff Scientist

Figures

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Water Table Elevations (1/25/08)
Figure 4: Groundwater Analytical Data (1/25/08)

Tables

Table 1: Monitoring Well Construction Details
Table 2: Groundwater Elevation Data
Table 3: Groundwater Monitoring Sample Analytical Data

Appendix A: *Groundwater Monitoring Well Field Sampling Forms*

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

Distribution:

Mr. Cary Greyson (2 hard copies)
G&G International Holding Company
PO Box 1435
Alamo, CA 94507

Alameda County Environmental Health Services (ACEHS) (electronic)
Attn: Ms. Donna Drogos
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

GeoTracker (electronic)

FIGURES

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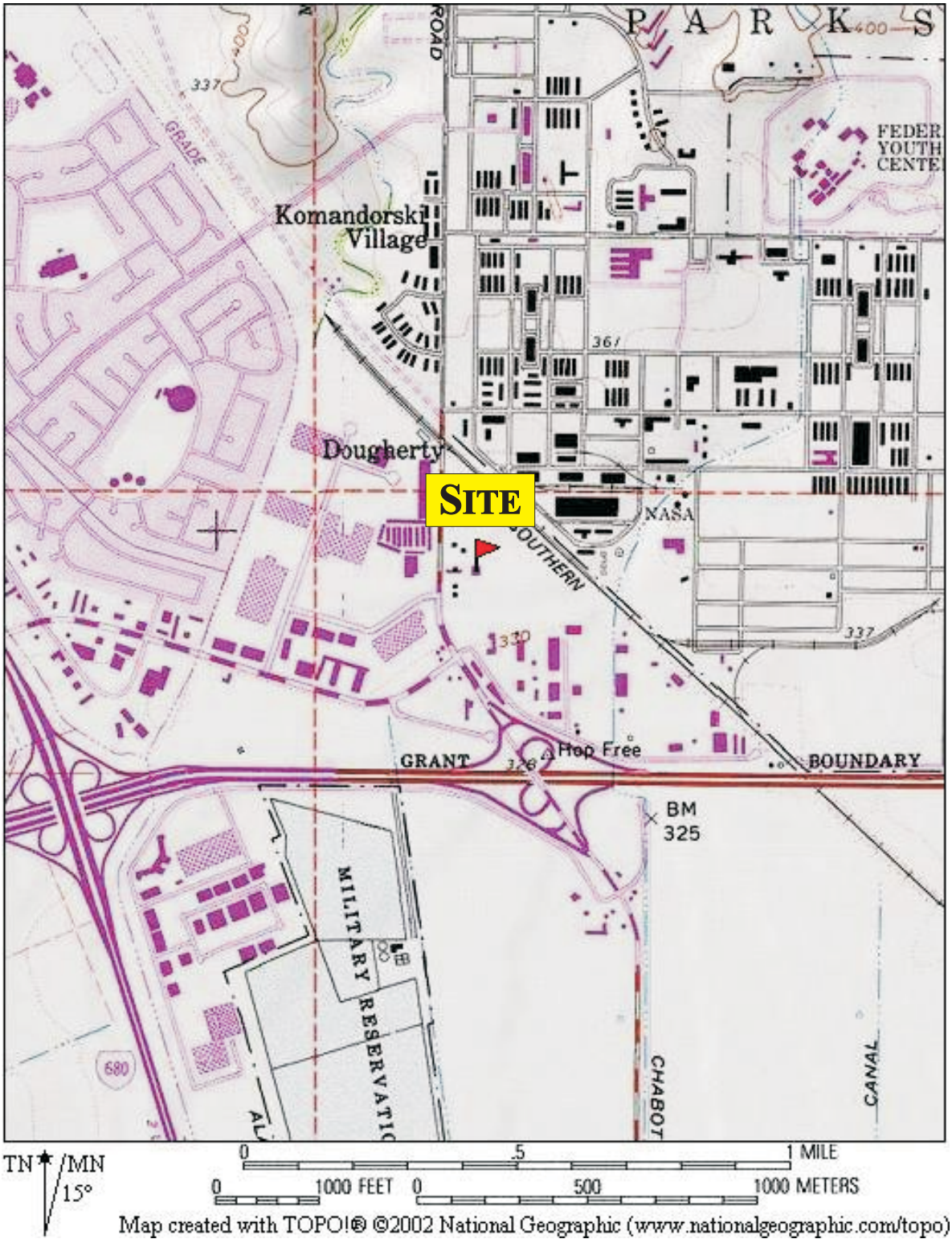


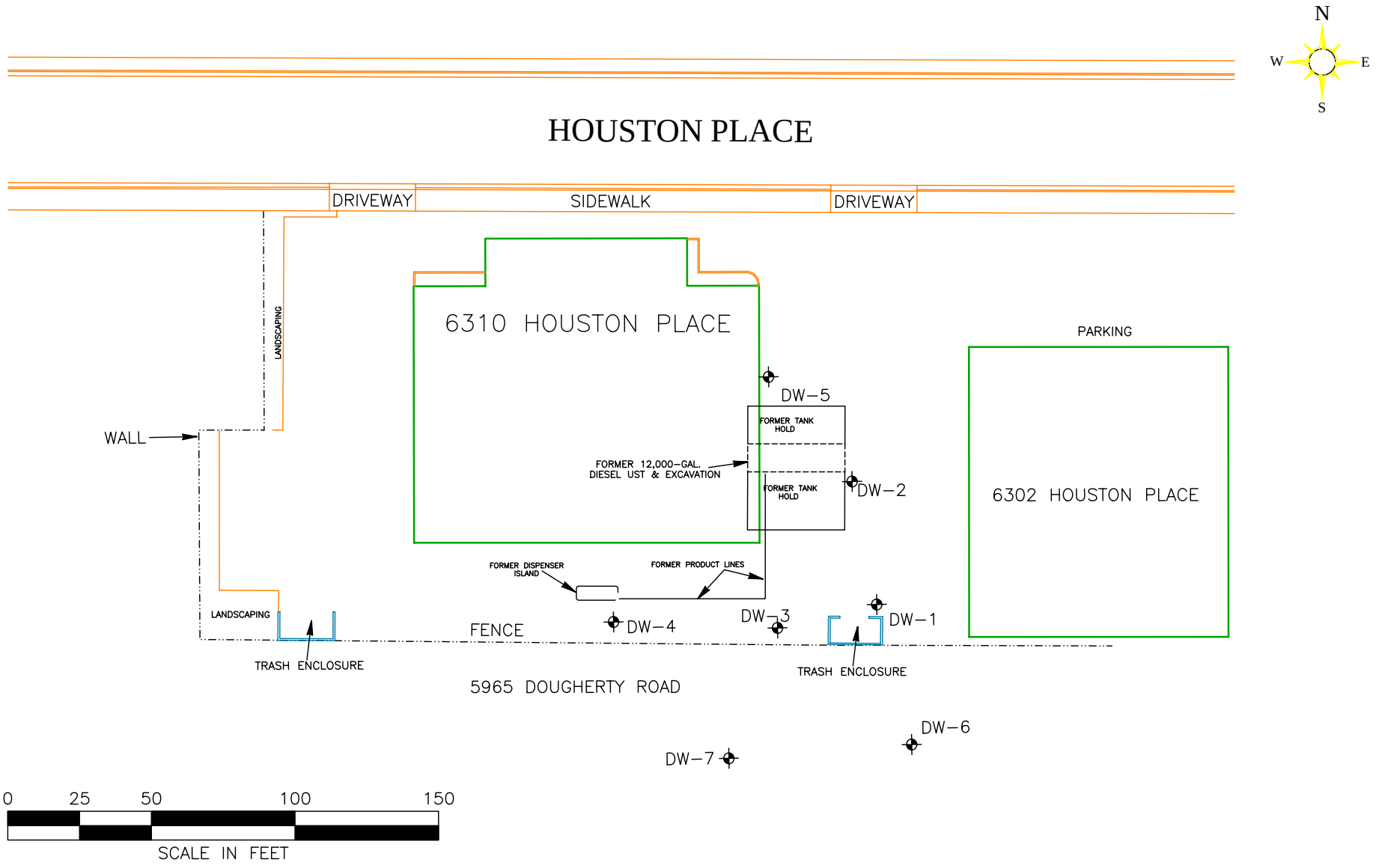
USGS DUBLIN, CALIFORNIA
QUADRANGLE TOPOGRAPHIC MAP
Created 1979, Revised 1980

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

SITE LOCATION MAP

6310 HOUSTON PLACE
DUBLIN, CA 94568

FIGURE 1
PROJECT No. 261639



LEGEND

- GROUNDWATER MONITORING WELL
- SUBJECT PROPERTY LINE
- EXCAVATION BOUNDARY (12,000-GAL. DIESEL UST)

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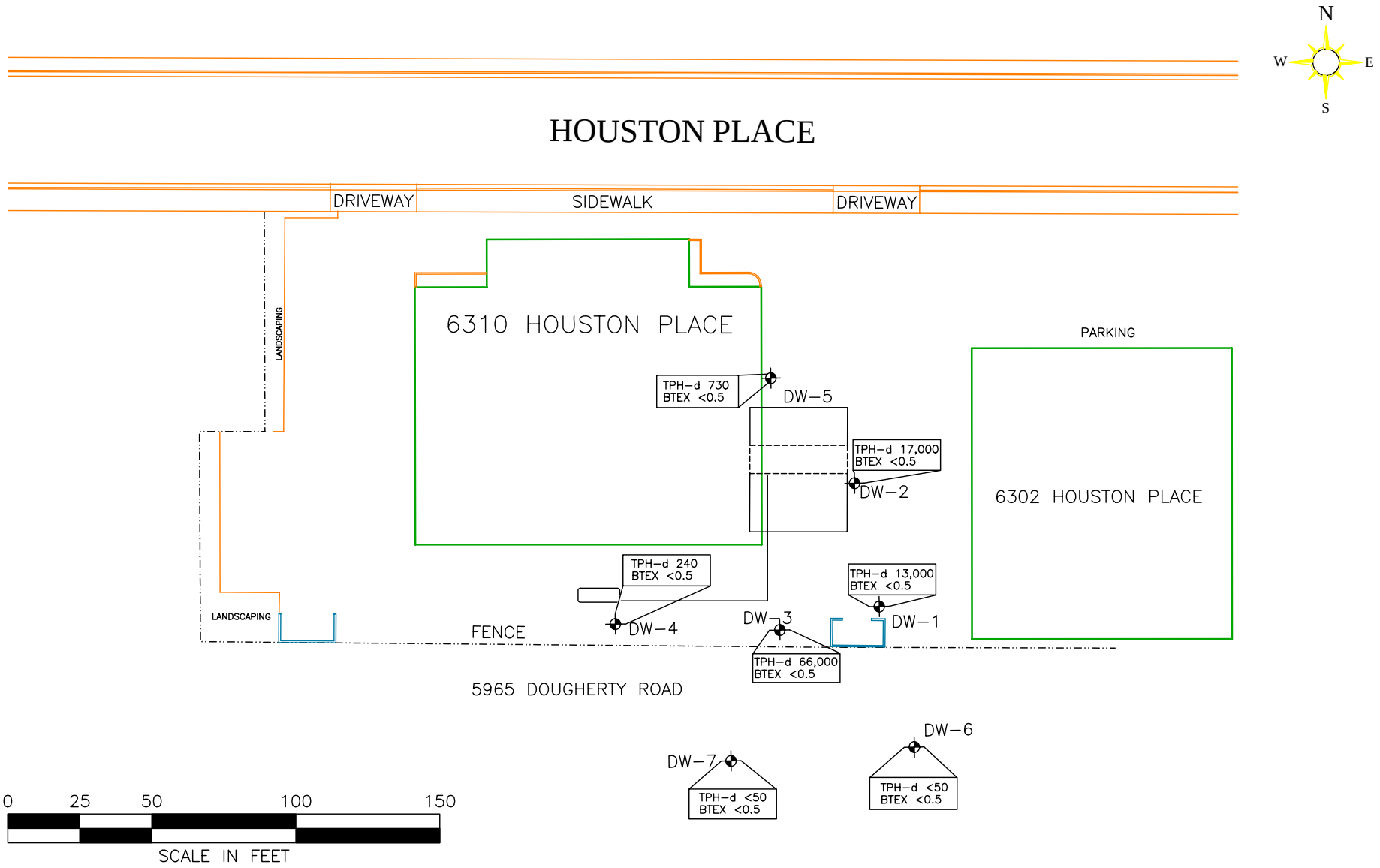
SITE PLAN

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 2
PROJECT NO. 261639



LEGEND

GROUNDWATER MONITORING WELL

EVENT PERFORMED 1/25/08
DW-7 NOT USED IN CALCULATION

(326.51) = GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL

326.4 = Contour Elevation

CONTOUR INTERVAL = 0.1 FT.

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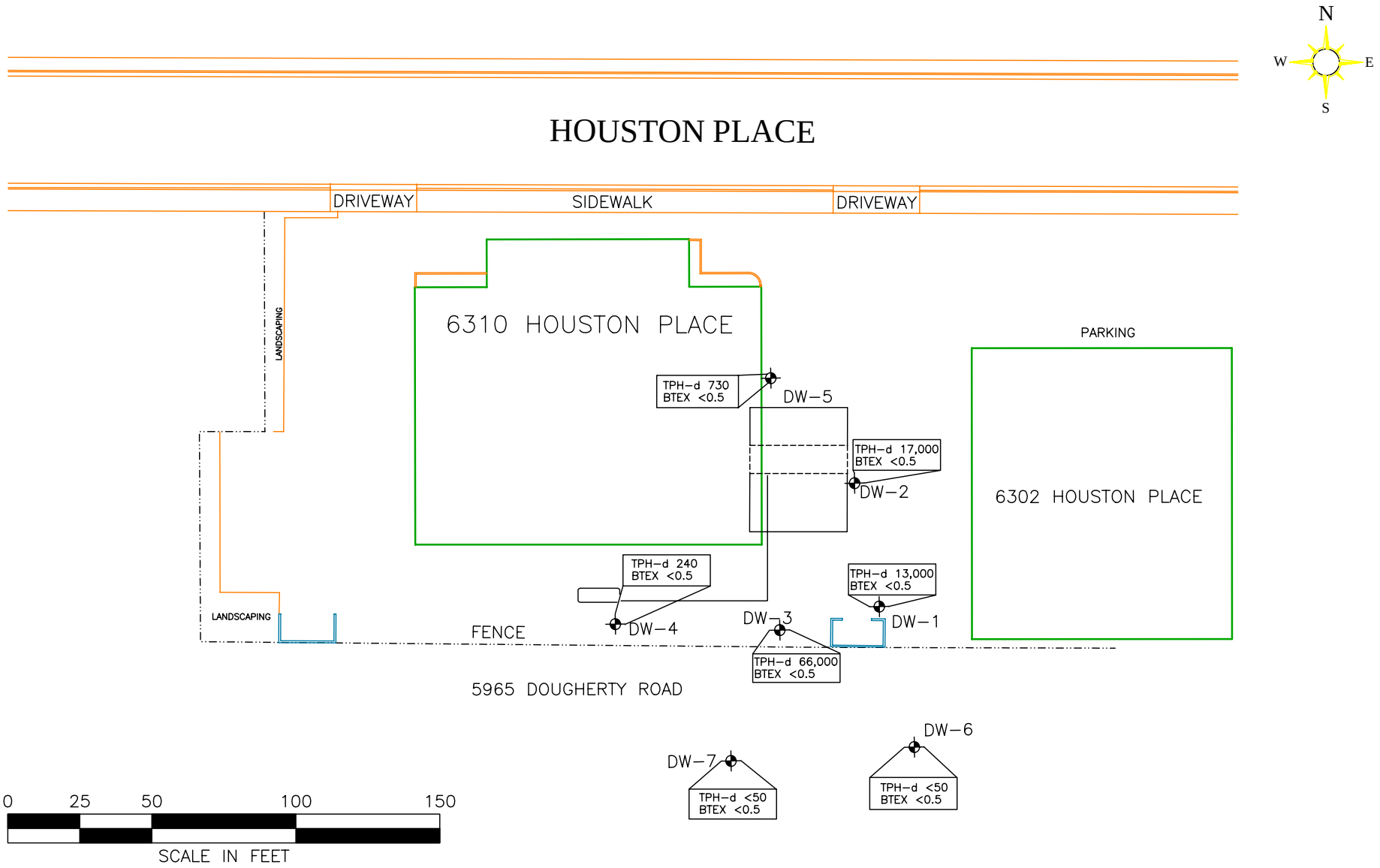
2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

WATER TABLE ELEVATIONS (1/25/08)

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 3
PROJECT NO. 261639



LEGEND

GROUNDWATER MONITORING WELL

EVENT PERFORMED 1/25/08

TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
BTEX - BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES
SAMPLE CONCENTRATIONS IN MICROGRAMS PER LITER (uG/L)

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2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

GROUNDWATER ANALYTICAL DATA (1/25/08)

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

FIGURE 4
PROJECT NO. 261639

TABLES

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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
	1/25/2008	**334.23**	**6.16**	**328.07**
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
	1/25/2008	**334.00**	**5.89**	**328.11**
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
	1/25/2008	**334.56**	**6.63**	**327.93**
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
	1/25/2008	**334.49**	**6.62**	**327.87**
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
	1/25/2008	**333.91**	**5.93**	**327.98**
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
	1/25/2008	**334.99**	**7.16**	**327.83**
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
	1/25/2008	**335.18**	**6.75**	**328.43**

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)
4	**1/25/2008**	**328.03**	**1.70**	**SW (0.0011)**

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

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	-	-	-	-	-	-
	1/25/2008	-	**13,000**	-	<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	-	-	-	-	-	-
	1/25/2008	-	**17,000**	-	<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	-	-	-	-	-	-
	1/25/2008	-	**66,000**	-	<0.5	<0.5	<0.5	<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	-	-	-	-	-	-
	1/25/2008	-	**240**	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
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	-	-	-	-	-	-
	1/25/2008	-	**730**	-	<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	-	-	-	-	-	-
	1/25/2008	-	**<50**	-	<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	-	-	-	-	-	-
	1/25/2008	-	**<50**	-	<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

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GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: DW-1

Project Name:	G&G International Holding	Date of Sampling:	1/16/2008
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)	6.16		
Water Elevation (feet above msl)	328.07		
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)	**5.3**		
Actual Volume Purged (gallons)	6.0		
Appearance of Purge Water	Initially dark 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
	1	17.20	7.27	7527	0.83	271.1	Clear
	2	17.03	7.29	7557	0.55	268.2	Clear
	3	17.13	7.27	7590	0.88	268.8	Clear
	4	17.27	7.25	7634	0.88	268.3	Clear
	5	17.38	7.24	7667	0.81	267.4	Clear
	6	17.6	7.24	7718	0.39	265.2	

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-2

Project Name:	G&G International Holding	Date of Sampling:	1/16/2008
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)	5.89		
Water Elevation (feet above msl)	328.11		
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)	**5.3**		
Actual Volume Purged (gallons)	6.0		
Appearance of Purge Water	Green, then clearing at 1 gal.		
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	19.27	7.69	3048	0.34	244.1	clear
	2	19.55	7.59	3495	0.30	243.4	clear
	3	19.89	7.53	3769	0.28	242.4	Clear
	4	17.04	7.54	3853	0.27	242.4	Clear
	5	20.21	7.53	3846	0.26	240.9	Clear
	6	20.33	7.53	3804	0.20	239.7	

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-3

Project Name:	G&G International Holding	Date of Sampling:	1/16/2008
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)	6.63		
Water Elevation (feet above msl)	327.93		
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	Initially dark grey, cleared quickly		
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	17.80	7.23	5744	0.46	254.4	Dark Grey
	2	17.79	7.18	5836	0.37	251.5	Dark Grey
	3	17.94	7.17	5904	0.36	250.5	Clear
	4	18.23	7.15	6004	0.35	249.9	Clear
	5	18.41	7.13	5970	0.35	248.8	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-4

Project Name:	G&G International Holding	Date of Sampling:	1/16/2008
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)	6.62		
Water Elevation (feet above msl)	327.87		
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	Initially light grey, clears after 0.5 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
	1	18.76	7.26	5299	1.05	351.3	Clear
	2	18.45	7.19	5261	0.76	370.9	Clear
	3	18.42	7.16	5290	0.70	376.8	Clear
	4	18.47	7.14	5348	0.64	382.5	Clear
	5	18.58	7.12	5403	0.62	385.4	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:	1/16/2008
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)	5.93		
Water Elevation (feet above msl)	327.98		
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)	**5.3**		
Actual Volume Purged (gallons)	6.0		
Appearance of Purge Water	light green, clear at 1.5 gallons		
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
	1	19.20	7.14	6450	0.46	323.5	light green
	2	19.29	7.14	6404	0.42	329.6	Clear
	3	19.45	7.13	6438	0.40	331.8	Clear
	4	19.65	7.12	6480	0.39	336.8	Clear
	5	19.89	7.10	6282	0.39	328.6	Clear
	6	19.94	7.11	6100	0.39	325.7	

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:	1/16/2008
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)	7.16		
Water Elevation (feet above msl)	327.83		
Well Volumes Purged	3		
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	**4.7**		
Actual Volume Purged (gallons)	5.0		
Appearance of Purge Water	Initially milky brown, clears after 1.5 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
	1	18.61	7.06	7901	0.64	550.1	Light Brown
	2	18.57	7.04	7794	0.53	537.4	Clear
	3	18.73	7.07	7376	0.51	525.5	Clear
	4	18.92	7.10	7152	0.47	516.1	Clear
	5	19.97	7.10	7094	0.44	512.3	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:	1/16/2008
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)	6.75		
Water Elevation (feet above msl)	328.43		
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	Initially light brown, clear at 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
	1	18.58	7.13	7025	1.52	634.0	Brown
	2	18.49	7.19	7050	1.15	623.6	Light Brown
	3	18.59	7.20	7024	0.85	606.0	Light Brown
	4	18.73	7.22	6951	0.71	588.7	Light Brown
	5	18.88	7.24	6854	0.62	570.7	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	Date Sampled: 01/25/08
		Date Received: 01/25/08
	Client Contact: Adrian Angel	Date Reported: 01/31/08
	Client P.O.:	Date Completed: 01/31/08

WorkOrder: 0801658

January 31, 2008

Dear Adrian:

Enclosed within are:

1) The results of the **7** analyzed samples from your project: **#261639,**
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.

0801658

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

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

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

Report To: Adrian Angel Bill To: Same

Company: AEI

E-Mail:

Tele: (925) 283-6000 Fax: ( )

Project #: 261639 Project Name: 7 3Rs Interior

Project Location: Dublin, California

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (8015) + 8021	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	Other	Other	Comments
+ Dw-1		1/25/08		4	VIL	X					X	X			X	X																		
+ Dw-2						X					X	X			X	X																		
+ Dw-3						X					X	X			X	X																		
+ Dw-4						X					X	X			X	X																		
+ Dw-5						X					X	X			X	X																		
+ Dw-6						X					X	X			X	X																		
+ Dw-7						X					X	X			X	X																		

Relinquished By:	Date:	Time:	Received By:
	1/25/08	5:30	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/T 76°
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS ✓ O&G METALS OTHER pH<2

COMMENTS:

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0801658 **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: (408) 559-7600 FAX: (925) 283-6121
ProjectNo: #261639
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: **01/25/2008**
Date Printed: **01/25/2008**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0801658-001	DW-1	Water	1/25/08	☐	A	A	B									
0801658-002	DW-2	Water	1/25/08	☐	A		B									
0801658-003	DW-3	Water	1/25/08	☐	A		B									
0801658-004	DW-4	Water	1/25/08	☐	A		B									
0801658-005	DW-5	Water	1/25/08	☐	A		B									
0801658-006	DW-6	Water	1/25/08	☐	A		B									
0801658-007	DW-7	Water	1/25/08	☐	A		B									

Test Legend:

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

Prepared by: Melissa Valles

Comments:

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.

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"When Quality Counts"

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

Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **1/25/08 7:14:41 PM**

Project Name: **#261639**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0801658** 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: 7.6°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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Telephone: 877-252-9262 Fax: 925-252-9269

AEI Consultants	Client Project ID: #261639	Date Sampled: 01/25/08
2500 Camino Diablo, Ste. #200		Date Received: 01/25/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 01/28/08-01/30/08
	Client P.O.:	Date Analyzed 01/28/08-01/30/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0801658

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	DW-1	W	---	---	ND	ND	ND	ND	1	97
002A	DW-2	W	---	---	ND	ND	ND	ND	1	91
003A	DW-3	W	---	---	ND	ND	ND	ND	1	102
004A	DW-4	W	---	---	ND	ND	ND	ND	1	104
005A	DW-5	W	---	---	ND	ND	ND	ND	1	105
006A	DW-6	W	---	---	ND	ND	ND	ND	1	108
007A	DW-7	W	---	---	ND	ND	ND	ND	1	93

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	Date Sampled: 01/25/08
2500 Camino Diablo, Ste. #200		Date Received: 01/25/08
Walnut Creek, CA 94597	Client Contact: Adrian Angel	Date Extracted: 01/25/08
	Client P.O.:	Date Analyzed 01/28/08-01/30/08

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

Extraction method SW3510C Analytical methods SW8015C Work Order: 0801658

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0801658-001B	DW-1	W	13,000,c,h	1	110
0801658-002B	DW-2	W	17,000,c,h	1	100
0801658-003B	DW-3	W	66,000,a,h	20	99
0801658-004B	DW-4	W	240,c	1	111
0801658-005B	DW-5	W	730,c	1	113
0801658-006B	DW-6	W	ND	1	113
0801658-007B	DW-7	W	ND	1	111

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

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

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

+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

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0801658

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 33391 Spiked Sample ID: 0801612-010A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	92.8	97.2	4.65	96.4	94.3	2.12	70 - 130	30	70 - 130	30
MTBE	ND	10	113	108	4.91	107	108	1.58	70 - 130	30	70 - 130	30
Benzene	ND	10	98.5	99.1	0.593	95.9	97.1	1.26	70 - 130	30	70 - 130	30
Toluene	ND	10	93.1	90.9	2.39	87.9	89.1	1.35	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	101	101	0	97.6	99	1.50	70 - 130	30	70 - 130	30
Xylenes	ND	30	95.5	102	6.67	92.3	96.3	4.24	70 - 130	30	70 - 130	30
%SS:	105	10	93	96	3.27	98	96	1.51	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 33391 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801658-001A	01/25/08	01/30/08	01/30/08 6:22 PM	0801658-002A	01/25/08	01/30/08	01/30/08 1:29 AM
0801658-003A	01/25/08	01/30/08	01/30/08 12:58 AM	0801658-004A	01/25/08	01/30/08	01/30/08 12:28 AM
0801658-005A	01/25/08	01/29/08	01/29/08 11:58 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.

DHS ELAP Certification N° 1644

QA/QC Officer

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0801658

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 33445** **Spiked Sample ID: 0801662-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	91.2	90	1.34	90.9	98	7.55	70 - 130	30	70 - 130	30
MTBE	ND	10	121	123	1.31	109	111	1.91	70 - 130	30	70 - 130	30
Benzene	ND	10	98.5	94.4	4.21	88.3	92.8	4.96	70 - 130	30	70 - 130	30
Toluene	ND	10	109	105	3.68	98.2	103	4.91	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	106	103	3.55	96.2	105	8.29	70 - 130	30	70 - 130	30
Xylenes	ND	30	113	113	0	103	110	6.25	70 - 130	30	70 - 130	30
%SS:	109	10	95	91	4.01	96	97	1.36	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 33445 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801658-006A	01/25/08	01/29/08	01/29/08 10:58 PM	0801658-007A	01/25/08	01/28/08	01/28/08 2:40 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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0801658

EPA Method SW8015C **Extraction SW3510C** **BatchID: 33373** **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	117	116	1.22	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	117	111	5.45	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 33373 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0801658-001B	01/25/08	01/25/08	01/28/08 7:50 PM	0801658-002B	01/25/08	01/25/08	01/28/08 8:13 AM
0801658-003B	01/25/08	01/25/08	01/30/08 1:52 AM	0801658-004B	01/25/08	01/25/08	01/28/08 1:22 PM
0801658-005B	01/25/08	01/25/08	01/28/08 1:22 PM	0801658-006B	01/25/08	01/25/08	01/28/08 10:48 AM
0801658-007B	01/25/08	01/25/08	01/28/08 11:55 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.