



Customer-Focused Solutions

RO 123

January 20, 2006

Project 41-0236

Mr. Amir Gholani
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Program
1131 Harbor Bay Parkway
Alameda, California 94502-6577

SITE: QUIK STOP MARKET NO. 56
3132 BEAUMONT AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY GROUNDWATER MONITORING REPORT, FOURTH QUARTER 2005

Dear Mr. Gholani:

Enclosed is a copy of the *Fourth Quarter 2005 Quarterly Groundwater Monitoring Report* for the property located at 3132 Beaumont Avenue in Oakland, California. This report is submitted on behalf of our client, Quik Stop Markets, Inc.

Please direct all questions and correspondence to:

Mr. Mike Karvelot
Quik Stop Markets, Inc.
4567 Enterprise Street
Fremont, California 94538
Phone: (510) 657-8500

Sincerely,

Jonathan Scheiner
Associate

cc: Mr. Mike Karvelot, Quik Stop Markets, Inc.

Alameda County
Environmental Health
JAN 24, 2006



January 20, 2006

Project 41-0236

Mr. Mike Karvelot
Quik Stop Markets, Inc.
4567 Enterprise Street
Fremont, California 94538

SITE: QUIK STOP MARKET NO. 56
3132 BEAUMONT AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY GROUNDWATER MONITORING REPORT, FOURTH QUARTER 2005

Dear Mr. Karvelot:

This *Fourth Quarter 2005 Quarterly Groundwater Monitoring Report* presents the results of the Fourth Quarter 2005 fluid level monitoring and groundwater sampling at the above-referenced site (Figure 1). The work at this site was performed in accordance with the requirements of the Alameda County Health Care Services Agency, Department of Environmental Health (ACDEH).

1.0 FLUID-LEVEL MONITORING

Fluid levels were measured in onsite monitoring wells MW-1, MW-2, and MW-3 on December 6, 2005. Groundwater elevations averaged 127.92 feet above mean sea level (MSL). Groundwater flow direction was to the west-southwest at a gradient of 0.109 feet per foot. Refer to Table 1 for fluid-level monitoring data. Figure 2 is a groundwater elevation contour map based on the fluid-level measurements. A description of fluid-level monitoring procedures is included in the Appendix.

2.0 GROUNDWATER SAMPLING

On December 6, 2005, groundwater samples were collected from onsite wells MW-1, MW-2, and MW-3. Groundwater samples were submitted to a state-certified laboratory for analysis of total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8260B. Refer to Table 1 and Figure 3 for a summary of analytical results. General Field Procedures, Field Measurement Forms, Official Laboratory Reports, and Chain of Custody Records are included in the Appendix.

Alameda County
JAN 24 2006
Environmental Health

QUARTERLY PROGRESS REPORT, FOURTH QUARTER 2005

Quik Stop Market No. 56-3132 Beaumont Avenue, Oakland, California

January 20, 2006

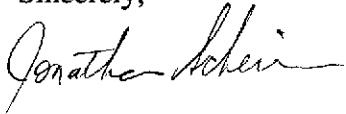
Approximately 55 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on December 6, 2005. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

3.0 LIST OF ATTACHMENTS

- Figure 1: Vicinity Map
- Figure 2: Groundwater Elevation Contour Map, December 6, 2005
- Figure 3: Dissolved-Phase Hydrocarbon Concentrations, December 6, 2005
- Table 1: Summary of Groundwater Levels and Chemical Analysis
- Appendix: General Field Procedures, Field Measurement Forms, Official Laboratory Reports, and Chain of Custody Records

If you have any questions regarding this report, please call me at (925) 688-2473.

Sincerely,



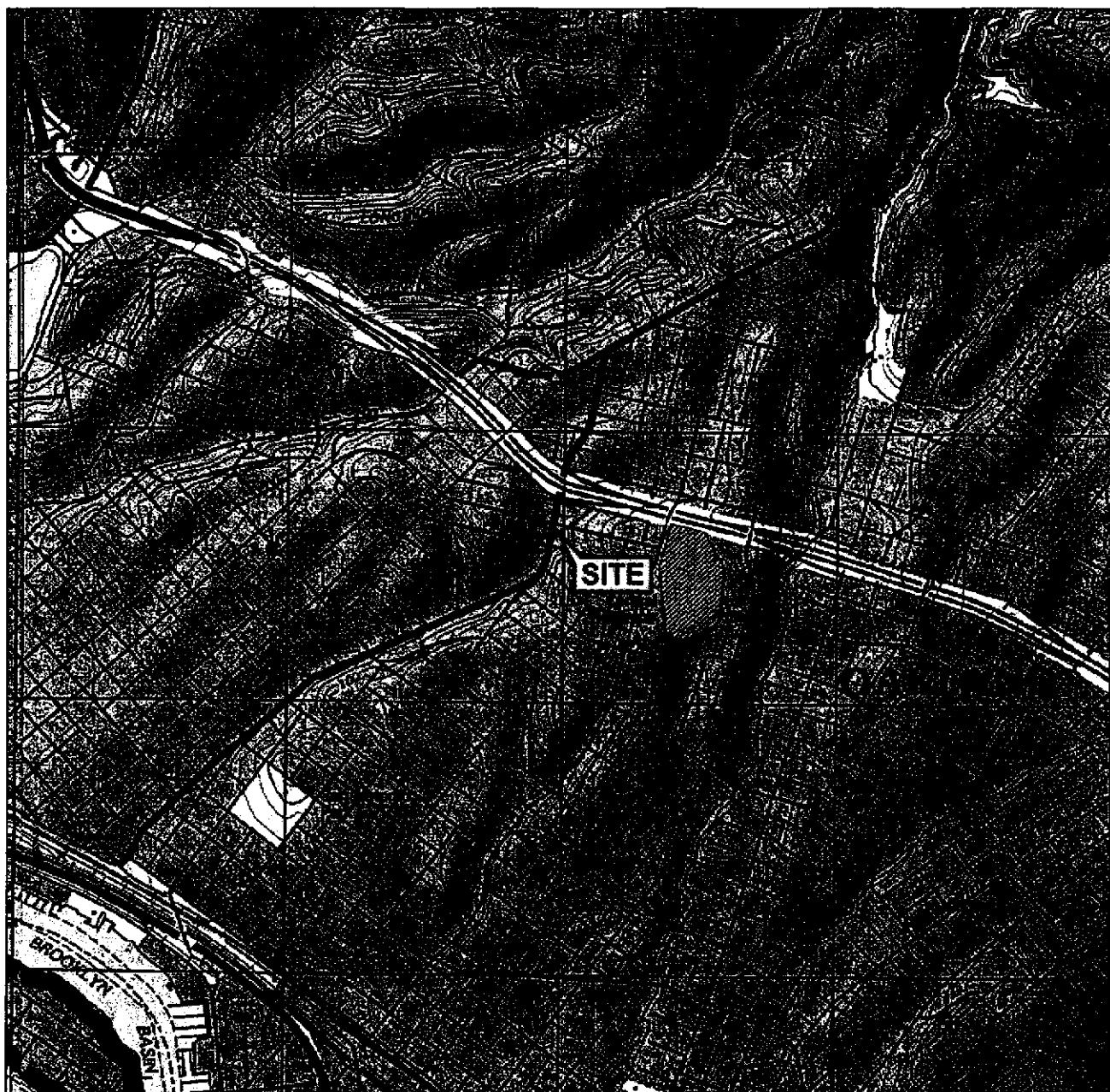
Jonathan Scheiner

Associate

Amy Wilson, Ph.D., P.E.
Senior Project Engineer



FIGURES



1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000

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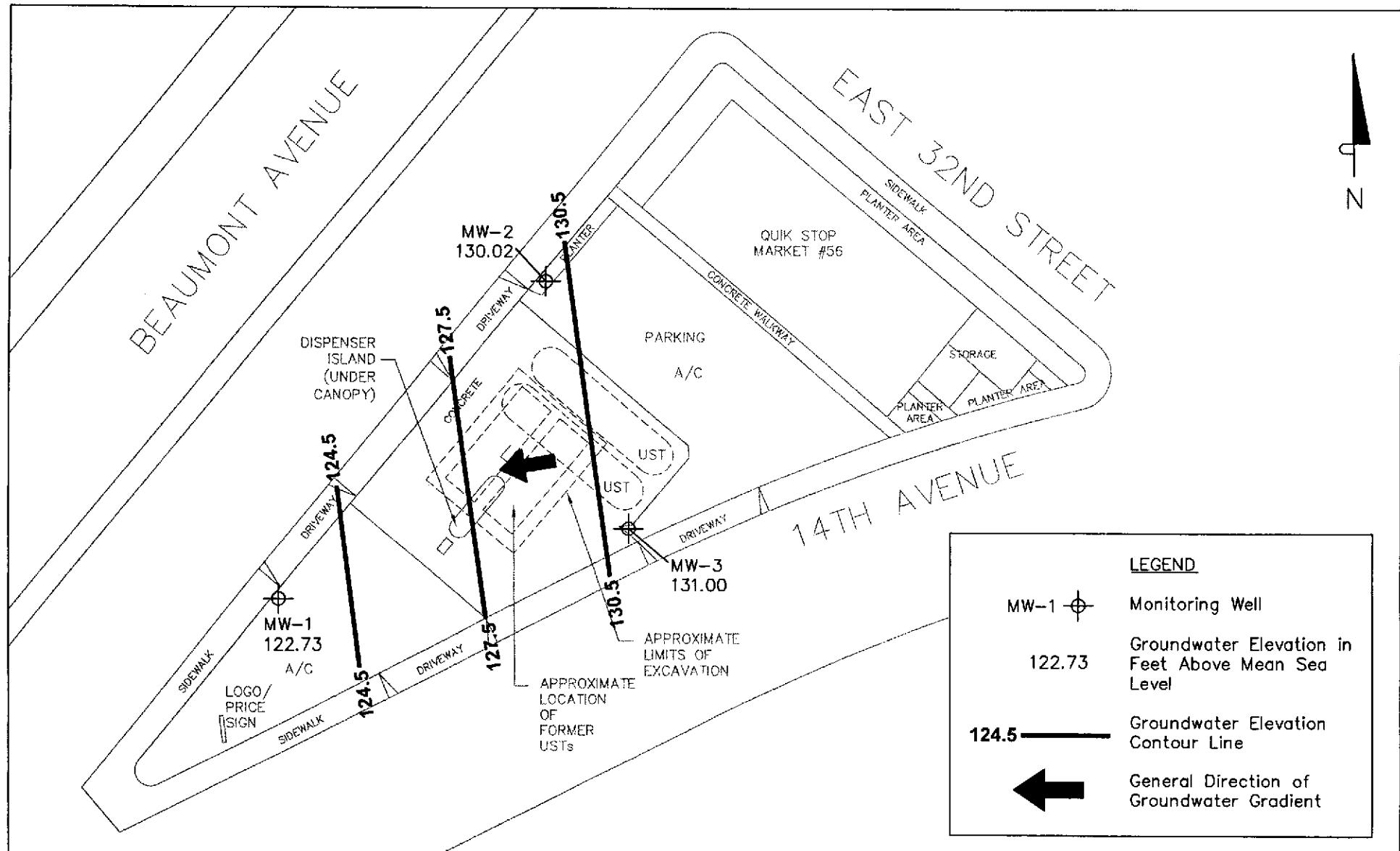
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

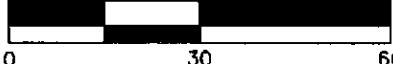
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 1



APPROXIMATE SCALE (FEET)



NOTES:

Contour lines are interpretive based on fluid level measurements taken on December 6, 2005.

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Contour interval = 3 feet.

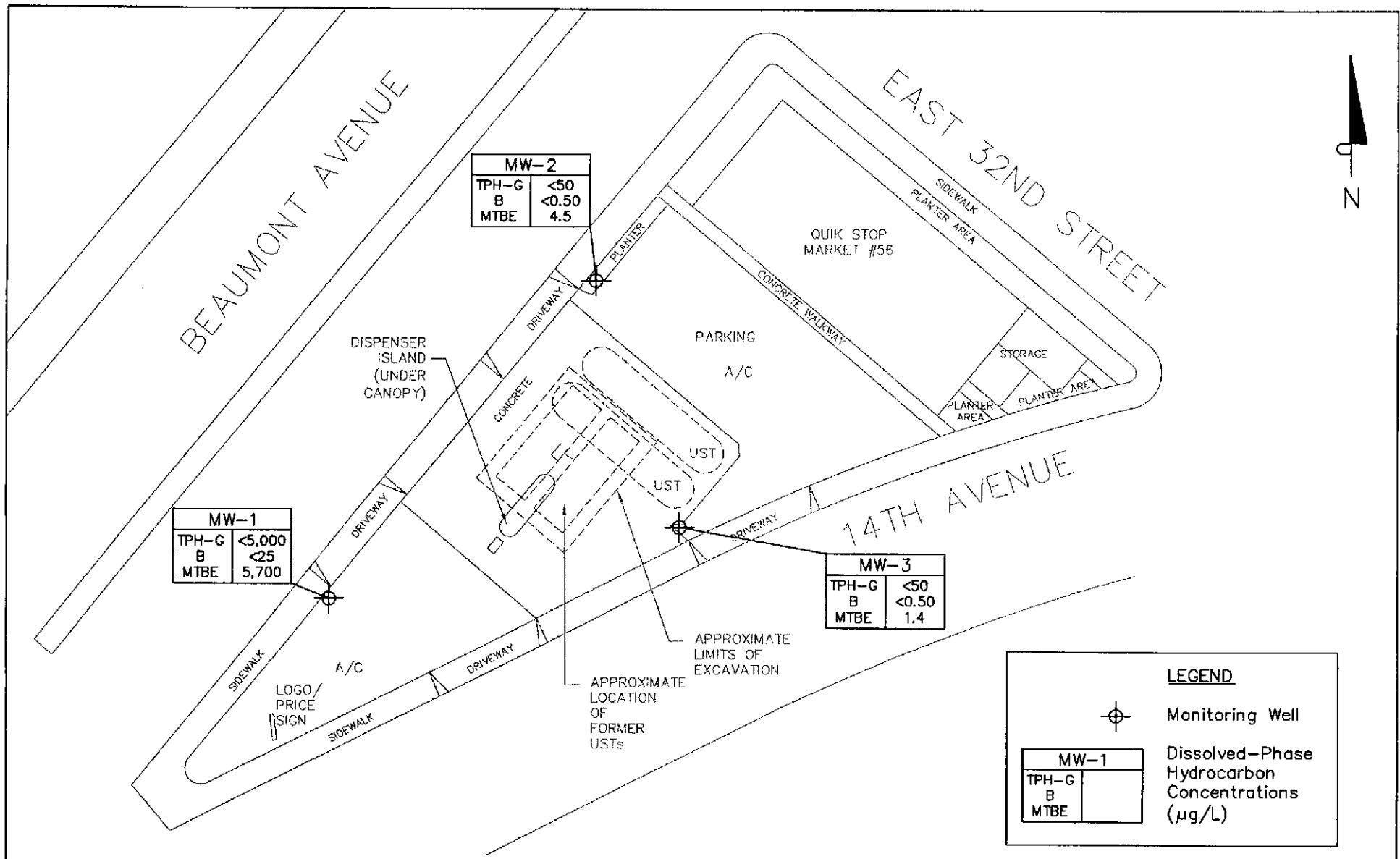
SOURCE: Client-provided drawings and Garlow, 1998. Site plan updated per 11/27/01 well survey by Doble Thomas Associates.

**GROUNDWATER ELEVATION
CONTOUR MAP**
December 6, 2005

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California



FIGURE 2



LEGEND

Monitoring Well

Dissolved-Phase Hydrocarbon Concentrations ($\mu\text{g}/\text{L}$)

MW-1		
TPH-G	<5,000	
B	<25	
MTBE	5,700	

APPROXIMATE SCALE (FEET)

0 30 60

NOTES:

Results are based on laboratory analysis of groundwater samples collected on December 6, 2005. $\mu\text{g}/\text{L}$ = micrograms per liter; TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; MTBE = methyl tert butyl ether; < = not detected at or above the reported method detection limit.

SOURCE: Client-provided drawings and Garlow, 1998. Site plan updated per 11/27/01 well survey by Doble Thomas Associates.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS

December 6, 2005

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 3

TABLE

Table 1
Summary of Groundwater Levels and Chemical Analysis
 Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE	DO (mg/L)
										8260 (µg/L)	
MW-1	03/02/00	131.58	10.33	121.25	670	<1.0	<1.0	<1.0	<1.0	2,200	0.62
MW-1	11/16/00	131.58	11.86	119.72	<500	<0.5	<0.5	<0.5	<0.5	18,000	0.34
MW-1	01/23/01	131.58	11.05	120.53	6,400	<10	<10	<10	<10	21,000	0.83
MW-1	04/25/01	131.58	12.06	119.52	12,000	<20	<20	<20	<20	17,000	0.39
MW-1	07/24/01	131.58	12.42	119.16	8,800	<13	<13	<13	<13	14,000	7.61
MW-1	11/08/01	131.58	12.00	119.58	18,000	<25	<25	<25	<25	28,000	—
MW-1	11/27/01	134.13	Well resurveyed to new reference point								
MW-1	02/05/02	134.13	10.99	123.14	28,000	<50	<50	<50	<50	44,000	—
MW-1	04/29/02	134.13	10.97	123.16	12,000	<25	<25	<25	<25	30,000	—
MW-1	07/29/02	134.13	10.20	123.93	16,000	<25	<25	<25	<25	22,000	—
MW-1	10/21/02	134.13	10.48	123.65	17,000	<50	<50	<50	<50	39,000	—
MW-1	03/05/03	134.13	8.94	125.19	40,000	<100	<100	<100	<100	69,000	—
MW-1	06/06/03	134.13	8.68	125.45	27,000	<50	<50	<50	<50	63,000	—
MW-1	09/05/03	134.13	9.21	124.92	28,000	<25	<25	<25	<25	51,000	—
MW-1	12/24/03	134.13	8.65	125.48	29,000	<50	<50	<50	<50	84,000	—
MW-1	03/25/04	134.13	8.66	125.47	39,000	<100	<100	<100	<100	72,000	—
MW-1	06/25/04	134.13	8.66	125.47	50,000	<100	<100	<100	<100	90,000	—
MW-1	09/16/04	134.13	9.02	125.11	30,000	<50	<50	<50	<50	75,000	—
MW-1	12/17/04	134.13	7.46	126.67	35,000	<50	<50	<50	<50	59,000	—
MW-1	03/10/05	134.13	7.17	126.96	14,000	<25	<25	<25	<25	33,000	—
MW-1	06/09/05	134.13	8.14	125.99	36,000	<50	<50	<50	<50	60,000	—
MW-1	09/13/05	134.13	12.64	121.49	<20,000	<100	<100	<100	<100	32,000	—
MW-1	12/06/05	134.13	11.40	122.73	<5,000	<25	<25	<25	<25	5,700	—
MW-2	03/02/00	132.63	5.88	126.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.45
MW-2	11/16/00	132.63	6.40	126.23	<50	<0.5	<0.5	<0.5	<0.5	<1.0	1.67
MW-2	01/23/01	132.63	5.67	126.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.20
MW-2	04/25/01	132.63	6.26	126.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.76
MW-2	07/24/01	132.63	6.38	126.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.92
MW-2	11/08/01	132.63	5.97	126.66	<50	<0.50	<0.50	<0.50	<0.50	2.7	—
MW-2	11/27/01	135.16	Well resurveyed to new reference point								
MW-2	02/05/02	135.16	4.95	130.21	<50	<0.50	<0.50	<0.50	<0.50	2.7	—
MW-2	04/29/02	135.16	5.03	130.13	<50	<0.50	<0.50	<0.50	<0.50	2.8	—
MW-2	07/29/02	135.16	5.46	129.70	<50	<0.50	<0.50	<0.50	<0.50	4.1	—
MW-2	10/21/02	135.16	5.68	129.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	—
MW-2	03/05/03	135.16	4.87	130.29	<50	1.4	<0.50	0.61	0.69	5.5	—

Table 1
Summary of Groundwater Levels and Chemical Analysis
 Quik Stop No. 56 - 3132 Beaumont Avenue, Oakland

Sample ID	Date	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE 8260 ($\mu\text{g/L}$)	DO (mg/L)
MW-2	06/06/03	135.16	4.88	130.28	<50	<0.50	<0.50	<0.50	<0.50	5.2	—
MW-2	09/05/03	135.16	5.60	129.56	<50	<0.50	<0.50	<0.50	0.66	6.4	—
MW-2	12/24/03	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.4	—
MW-2	03/25/04	135.16	5.25	129.91	<50	<0.50	<0.50	<0.50	<0.50	5.3	—
MW-2	06/25/04	135.16	6.89	128.27	<50	<0.50	<0.50	<0.50	<0.50	5.4	—
MW-2	09/16/04	135.16	6.09	129.07	<50	<0.50	<0.50	<0.50	<0.50	5.5	—
MW-2	12/17/04	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	5.4	—
MW-2	03/10/05	135.16	4.49	130.67	<50	<0.50	<0.50	<0.50	<0.50	3.7	—
MW-2	06/09/05	135.16	4.85	130.31	<50	<0.50	<0.50	<0.50	<0.50	4.8	—
MW-2	09/13/05	135.16	5.82	129.34	<50	<0.50	<0.50	<0.50	<0.50	5.6	—
MW-2	12/06/05	135.16	5.14	130.02	<50	<0.50	<0.50	<0.50	<0.50	4.5	—
MW-3	03/02/00	133.78	6.41	127.37	<50	<0.50	<0.50	<0.50	<0.50	0.96	0.90
MW-3	11/16/00	133.78	6.46	127.32	<50	<0.5	<0.5	<0.5	<0.5	24	3.91
MW-3	01/23/01	133.78	5.75	128.03	<50	<0.50	<0.50	<0.50	<0.50	72	1.47
MW-3	04/25/01	133.78	5.90	127.88	<50	<0.50	<0.50	<0.50	<0.50	25	0.56
MW-3	07/24/01	133.78	6.56	127.22	<50	<0.50	0.79	0.73	0.68	5.2	6.67
MW-3	11/08/01	133.78	6.92	126.86	<50	<0.50	<0.50	<0.50	<0.50	14	—
MW-3	11/27/01	136.35	Well resurveyed to new reference point								
MW-3	02/05/02	136.35	5.13	131.22	<50	<0.50	<0.50	<0.50	<0.50	10	—
MW-3	04/29/02	136.35	5.67	130.68	<50	<0.50	<0.50	<0.50	<0.50	5.1	—
MW-3	07/29/02	136.35	6.11	130.24	<50	<0.50	<0.50	<0.50	<0.50	31	—
MW-3	10/21/02	136.35	6.57	129.78	<50	<0.50	<0.50	<0.50	<0.50	5.8	—
MW-3	01/06/04	136.35	5.02	131.33	<50	<0.50	<0.50	<0.50	<0.50	4.9	—
MW-3	06/06/03	136.35	5.12	131.23	<50	<0.50	<0.50	<0.50	<0.50	6.6	—
MW-3	09/05/03	136.35	6.53	129.82	<50	<0.50	<0.50	<0.50	<0.50	4.4	—
MW-3	12/24/03	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.2	—
MW-3	03/25/04	136.35	5.42	130.93	<50	<0.50	<0.50	<0.50	<0.50	3.2	—
MW-3	06/25/04	136.35	6.50	129.85	<50	<0.50	<0.50	<0.50	<0.50	13	—
MW-3	09/16/04	136.35	6.79	129.56	<50	<0.50	<0.50	<0.50	<0.50	3.0	—
MW-3	12/17/04	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.6	—
MW-3	03/10/05	136.35	4.42	131.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	—
MW-3	06/09/05	136.35	4.98	131.37	<50	<0.50	<0.50	<0.50	<0.50	3.6	—
MW-3	09/13/05	136.35	6.42	129.93	<50	<0.50	<0.50	<0.50	<0.50	11	—
MW-3	12/06/05	136.35	5.35	131.00	<50	<0.50	<0.50	<0.50	<0.50	1.4	—

NOTES: ft-MSL = feet above mean sea level

DO = dissolved oxygen

$\mu\text{g/L}$ = micrograms per liter

< = not detected at or above the stated detection limit

mg/L = milligrams per liter

MTBE = methyl tert butyl ether

TPH-G = total petroleum hydrocarbons as gasoline

APPENDIX

**GENERAL FIELD PROCEDURES, FIELD MEASUREMENT FORMS, OFFICIAL
LABORATORY REPORTS, AND CHAIN OF CUSTODY RECORDS**

GENERAL FIELD PROCEDURES

General field procedures used during fluid-level monitoring and groundwater sampling activities are described below.

FLUID-LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city benchmark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

FLUID MEASUREMENT FIELD FORM

Project No.: 41023609TRC Alton Personnel: J. ChidesterStation No.: Quik Stop #56Date: 12/6/05

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Dissolved O ₂ (mg/L)	Comments
MW-2		5.14				29.91		
MW-3		5.35				30.62		
MW-1		11.40				29.84		

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop # 56 Project No.: 41023609 Sampled By: J. Chidester Date: 12/6/05

Well No. MW-2

Total Depth (feet) 29.91

Depth to Water (feet) 5.14

Water Column (feet) 24.77

80% Recharge Depth (feet) 10.09

Purge Method: 2" electric

Depth to Product (feet) —

Product Recovered (gallons) —

Casing Diameter (Inches) 2"

1 Well Volume (gallons) 3.96

Well No. MW-3

Total Depth (feet) 30.62

Depth to Water (feet) 5.35

Water Column (feet) 25.27

80% Recharge Depth (feet) 10.40

Purge Method: 2" electric

Depth to Product (feet) —

Product Recovered (gallons) —

Casing Diameter (Inches) 2"

1 Well Volume (gallons) 4.04

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
754		4	1032	20.8	6.75	
		8	1086	19.9	6.63	
810		12	1130	21.6	6.57	
Total Purged			12	Time Sampled 830		

Comments:

Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
837		4	746	20.8	7.03	
		8	718	21.8	6.74	
		12	758	21.6	6.85	
Total Purged			12	Time Sampled 920		

Comments:

Turbidity=

Well No. MW-1

Total Depth (feet) 29.84

Depth to Water (feet) 11.40

Water Column (feet) 18.44

80% Recharge Depth (feet) 15.09 1 Well Volume (gallons) 2.95

Purge Method: 2" electric

Depth to Product (feet) —

Product Recovered (gallons) —

Casing Diameter (Inches) 2"

80% Recharge Depth (feet) —

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
926		3	731	20.9	6.80	
933		6	752	21.0	6.72	
946		9	76.5	19.9	6.83	
Total Purged			9	Time Sampled 1020		

Comments: Run dry & begin

Turbidity= Trouble with pump. Finished purge unclogged.

Well No.

Total Depth (feet) —

Depth to Water (feet) —

Water Column (feet) —

80% Recharge Depth (feet) —

Purge Method: —

Depth to Product (feet) —

Product Recovered (gallons) —

Casing Diameter (Inches) —

1 Well Volume (gallons) —

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged			—	Time Sampled —		

Comments:

Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged			—	Time Sampled —		

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
Total Purged			—	Time Sampled —		



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

TRC-Alton Geoscience
1590 Solano Way Suite A
Concord, CA 94520

Attn: James Chidester
Phone: (925) 688-2485
Fax: (925) 688-0388
Date Received : 12/08/05

Job#: 41023609-TA08

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B/DHS LUFT Manual
Volatile Organic Compounds (VOCs) EPA Method SW8260B

Client ID :	Parameter	Concentration	Reporting	Date	Date	
				Limit	Sampled	Analyzed
MW-2	TPH Purgeable	ND	0.050 mg/L	12/06/05	12/12/05	
	Methyl tert-butyl ether (MTBE)	4.5	0.50 µg/L	12/06/05	12/12/05	
Lab ID :	Benzene	ND	0.50 µg/L	12/06/05	12/12/05	
TRC05120821-01A	Toluene	ND	0.50 µg/L	12/06/05	12/12/05	
	Ethylbenzene	ND	0.50 µg/L	12/06/05	12/12/05	
	Xylenes, Total	ND	0.50 µg/L	12/06/05	12/12/05	
Client ID :	TPH Purgeable	ND	0.050 mg/L	12/06/05	12/12/05	
MW-3	Methyl tert-butyl ether (MTBE)	1.4	0.50 µg/L	12/06/05	12/12/05	
Lab ID :	Benzene	ND	0.50 µg/L	12/06/05	12/12/05	
TRC05120821-02A	Toluene	ND	0.50 µg/L	12/06/05	12/12/05	
	Ethylbenzene	ND	0.50 µg/L	12/06/05	12/12/05	
	Xylenes, Total	ND	0.50 µg/L	12/06/05	12/12/05	
Client ID :	TPH Purgeable	ND	D	5.0 mg/L	12/06/05	12/14/05
MW-1	Methyl tert-butyl ether (MTBE)	5,700		25 µg/L	12/06/05	12/14/05
Lab ID :	Benzene	ND	D	25 µg/L	12/06/05	12/14/05
TRC05120821-03A	Toluene	ND	D	25 µg/L	12/06/05	12/14/05
	Ethylbenzene	ND	D	25 µg/L	12/06/05	12/14/05
	Xylenes, Total	ND	D	25 µg/L	12/06/05	12/14/05

D = Reporting Limits were increased due to high concentrations of non-target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

12/21/05

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: TRC05120821

Project: 41023609-TA08

Alpha's Sample ID	Client's Sample ID	Matrix	pH
05120821-01A	MW-2	Aqueous	2
05120821-02A	MW-3	Aqueous	2
05120821-03A	MW-1	Aqueous	2

12/21/05

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
23-Dec-05

Work Order:
05120821

OC Summary Report

Method Blank		Type: MBLK	Test Code: EPA Method SW8260B						
File ID: C:\HPCHEM\MS06\DATA\051212\05121207.D		Batch ID: MS06W1212A			Analysis Date: 12/12/2005 10:01				
Sample ID:	MBLK MS06W1212A	Units : µg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Methyl tert-butyl ether (MTBE)		ND	0.5						
Benzene		ND	0.5						
Toluene		ND	0.5						
Ethylbenzene		ND	0.5						
Xylenes, Total		ND	0.5						
Surr: 1,2-Dichloroethane-d4		9.23		10	92	76	127		
Surr: Toluene-d8		10.2		10	102	84	113		
Surr: 4-Bromofluorobenzene		10.2		10	102	79	119		
Laboratory Control Spike		Type: LCS	Test Code: EPA Method SW8260B						
File ID: C:\HPCHEM\MS06\DATA\051212\05121204.D		Batch ID: MS06W1212A			Analysis Date: 12/12/2005 08:55				
Sample ID:	LCS MS06W1212A	Units : µg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Benzene		9.19	0.5	10	92	81	122		
Toluene		10.5	0.5	10	105	80	120		
Ethylbenzene		10.6	0.5	10	106	80	120		
Xylenes, Total		21.9	0.5	20	109	81	128		
Surr: 1,2-Dichloroethane-d4		9.02		10	90	76	127		
Surr: Toluene-d8		10.2		10	102	84	113		
Surr: 4-Bromofluorobenzene		10.1		10	101	79	119		
Sample Matrix Spike		Type: MS	Test Code: EPA Method SW8260B						
File ID: C:\HPCHEM\MS06\DATA\051212\05121209.D		Batch ID: MS06W1212A			Analysis Date: 12/12/2005 10:58				
Sample ID:	05120951-03AMS	Units : µg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Benzene		40.2	1.3	50	0	80	74	125	
Toluene		44.1	1.3	50	0	88	76	120	
Ethylbenzene		44.6	1.3	50	0	89	77	124	
Xylenes, Total		91.3	1.3	100	0	91	75	130	
Surr: 1,2-Dichloroethane-d4		47.6		50	95	76	127		
Surr: Toluene-d8		49.3		50	99	84	113		
Surr: 4-Bromofluorobenzene		49.5		50	99	79	119		
Sample Matrix Spike Duplicate		Type: MSD	Test Code: EPA Method SW8260B						
File ID: C:\HPCHEM\MS06\DATA\051212\05121210.D		Batch ID: MS06W1212A			Analysis Date: 12/12/2005 11:20				
Sample ID:	05120951-03AMSD	Units : µg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte		Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal %RPD(Limit) Qual
Benzene		40.2	1.3	50	0	80	74	124	40.21 0.0(13)
Toluene		44.4	1.3	50	0	89	76	119	44.12 0.7(13)
Ethylbenzene		44.6	1.3	50	0	89	77	124	44.63 0.2(13)
Xylenes, Total		92.9	1.3	100	0	93	75	130	91.27 1.7(13)
Surr: 1,2-Dichloroethane-d4		46.9		50	94	76	127		
Surr: Toluene-d8		49.3		50	99	84	113		
Surr: 4-Bromofluorobenzene		50.6		50	101	79	119		

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
23-Dec-05

OC Summary Report

Work Order:
05120821

Method Blank		Type: MBLK	Test Code: EPA Method SW8015B/DHS LUFT Manual						
File ID: C:\HPCHEM\MS06\DATA\051212\05121207.D		Batch ID: MS06W1212B			Analysis Date: 12/12/2005 10:01				
Sample ID:	MBLK MS06W1212B	Units : mg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)
TPH Purgeable	ND	0.05							
Sur: 1,2-Dichloroethane-d4	0.00923		0.01		92	76	127		
Sur: Toluene-d8	0.0102		0.01		102	84	113		
Sur: 4-Bromofluorobenzene	0.0102		0.01		102	79	119		
Laboratory Control Spike		Type: LCS	Test Code: EPA Method SW8015B/DHS LUFT Manual						
File ID: C:\HPCHEM\MS06\DATA\051212\05121205.D		Batch ID: MS06W1212B			Analysis Date: 12/12/2005 09:17				
Sample ID:	GLCS MS06W1212B	Units : mg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)
TPH Purgeable	0.394	0.05	0.4		99	78	127		
Sur: 1,2-Dichloroethane-d4	0.00929		0.01		93	76	127		
Sur: Toluene-d8	0.0103		0.01		103	84	113		
Sur: 4-Bromofluorobenzene	0.0104		0.01		104	79	119		
Sample Matrix Spike		Type: MS	Test Code: EPA Method SW8015B/DHS LUFT Manual						
File ID: C:\HPCHEM\MS06\DATA\051212\05121211.D		Batch ID: MS06W1212B			Analysis Date: 12/12/2005 11:42				
Sample ID:	05120951-03AGS	Units : mg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)
TPH Purgeable	1.61	0.25	2	0	81	70	139		
Sur: 1,2-Dichloroethane-d4	0.046		0.05		92	76	127		
Sur: Toluene-d8	0.0509		0.05		102	84	113		
Sur: 4-Bromofluorobenzene	0.0522		0.05		104	79	119		
Sample Matrix Spike Duplicate		Type: MSD	Test Code: EPA Method SW8015B/DHS LUFT Manual						
File ID: C:\HPCHEM\MS06\DATA\051212\05121212.D		Batch ID: MS06W1212B			Analysis Date: 12/12/2005 12:04				
Sample ID:	05120951-03AGSD	Units : mg/L	Run ID: MSD_06_051212A		Prep Date: 12/12/2005				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)
TPH Purgeable	1.78	0.25	2	0	89	70	139	1.612	10.1(12)
Sur: 1,2-Dichloroethane-d4	0.0454		0.05		91	76	127		
Sur: Toluene-d8	0.0511		0.05		102	84	113		
Sur: 4-Bromofluorobenzene	0.0518		0.05		104	79	119		

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD**Alpha Analytical, Inc.**

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

CA**WorkOrder : TRC05120821**

Page: 1 of 1

Client:

TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

James Chidester

TEL : (925) 688-2485 x 238

FAX : (925) 688-0388

Email : jchidester@tcsolutions.com

Report Due By : 5:00 PM On : 22-Dec-05

EDD Required : Yes

Sampled by : James Chidester

Cooler Temp : 4 °CDate Printed:
08-Dec-05

Report Attention : James Chidester

Job : 41023609-TA08

CC Report :

PO :

Client's COC # : 05012

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Collection No. of Bottles						Requested Tests		Sample Remarks
		Matrix	Date	ORG	SUB	TAT	PWS #	TPH/P_W	VOC_W	
TRC05120821-01A	MW-2	AQ	12/06/05 08:30	3	0	10		GAS-C	BTXE/ Mtbe_C	
TRC05120821-02A	MW-3	AQ	12/06/05 09:20	3	0	10		GAS-C	BTXE/ Mtbe_C	
TRC05120821-03A	MW-1	AQ	12/06/05 10:20	3	0	10		GAS-C	BTXE/ Mtbe_C	

Comments: Security seals intact, ice frozen. Ca samples. Site @ Quik Stop #56 Oakland, Ca. 3-volas received frozen, samples were not compromised as no air bubbles formed.

Signature

Print Name

Company

Date/Time

Logged in by:

Denocila Ullanwate G. Novarreke

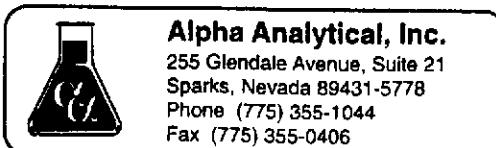
Alpha Analytical, Inc.

12-705 1:00

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.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Name TRC
 Address 21 Technology Dr.
 City, State, Zip Irvine CA 92618
 Phone Number (949) 753-0101 Fax (949) 753-0111



Samples Collected From Which State?

AZ CA ✓ NV WA
 ID OR OTHER _____

Page # 1 of 1

Client Name <u>TRC</u>		P.O. #	Job # <u>91023609-TA08</u>	Analyses Required		05012		
Address <u>1590 Solano Way, Ste. A</u>		EMail Address <u>jchidester@tre-solutions.com</u>			Required QC Level? I II III IV			
City, State, Zip <u>Concord, CA 94520</u>		Phone # <u>(925) 688-1200</u>	Fax # <u>(925) 688-0388</u>			EDD/EDF? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
Time Sampled	Date Sampled	Matrix* See Key Below	Office Use Only	Sampled by <u>James Chidester</u>	Report Attention <u>James Chidester</u>	Total and type of containers " See below		
						TPH-G BTEX PTBE		
830	12/6/05	AQ	05120821-01	MW-2	STD	3V		2 vials rcd frozen
920	12/6/05	AQ	-02	MW-3	STD	3V		1 vda rcd frozen
1020	12/6/05	AQ	-03	MW-1	STD	3V		
							REMARKS	
							<u>2 vials rcd frozen</u>	
							<u>1 vda rcd frozen</u>	
Alpha Analytical Sample Receipt								
Security Seals?							YES <input checked="" type="radio"/>	NO <input type="radio"/>
Frozen Ice?							YES <input checked="" type="radio"/>	NO <input type="radio"/>
Temperature							4	°C

ADDITIONAL INSTRUCTIONS:

Site @ Quik Stop #56 Oakland, CA

Signature	Print Name	Company	Date	Time
Relinquished by <u>James Chidester</u>	James Chidester	TRC	12/6/05	1200
Received by <u>G. Navarrete</u>	G. Navarrete	Alpha	12/6/05	1200
Relinquished by				
Received by				
Relinquished by				
Received by				

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

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. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.