TRC

Customer-Focused Solutions

October 27, 2006 Project 41-0236-10

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, THIRD QUARTER 2006

Dear Mr. Karvelot:

This *Third Quarter 2006 Quarterly Groundwater Monitoring Report* presents the results of the Third Quarter 2006 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 September 21, 2006. Groundwater elevations averaged 127.27 feet above mean sea level (MSL). Groundwater flow direction was to the west at a gradient of 0.106 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 September 21, 2006, 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), methyl tert-butyl ether (MTBE) by EPA Method 8260B, and ethanol by EPA Method 8260B-DI. 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.

Approximately 40 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on September 21, 2006. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

3.0 LIST OF ATTACHMENTS

Figure 1:	Vicinity Map
Figure 2:	Groundwater Elevation Contour Map, June 29, 2006
Figure 3:	Dissolved-Phase Hydrocarbon Concentrations, June 29, 2006
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

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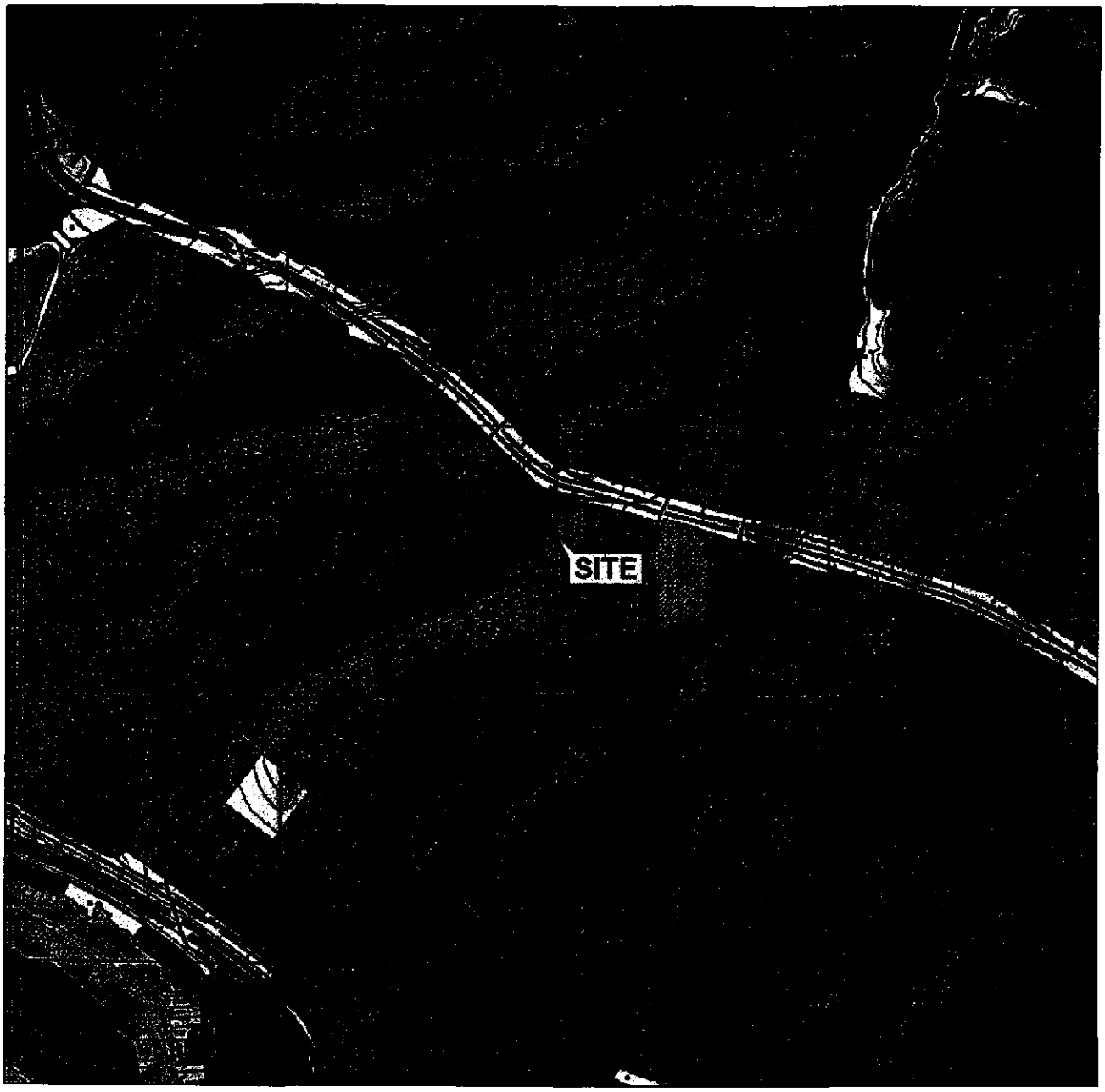
FIGURES



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

SCALE 1 : 24,000

N

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

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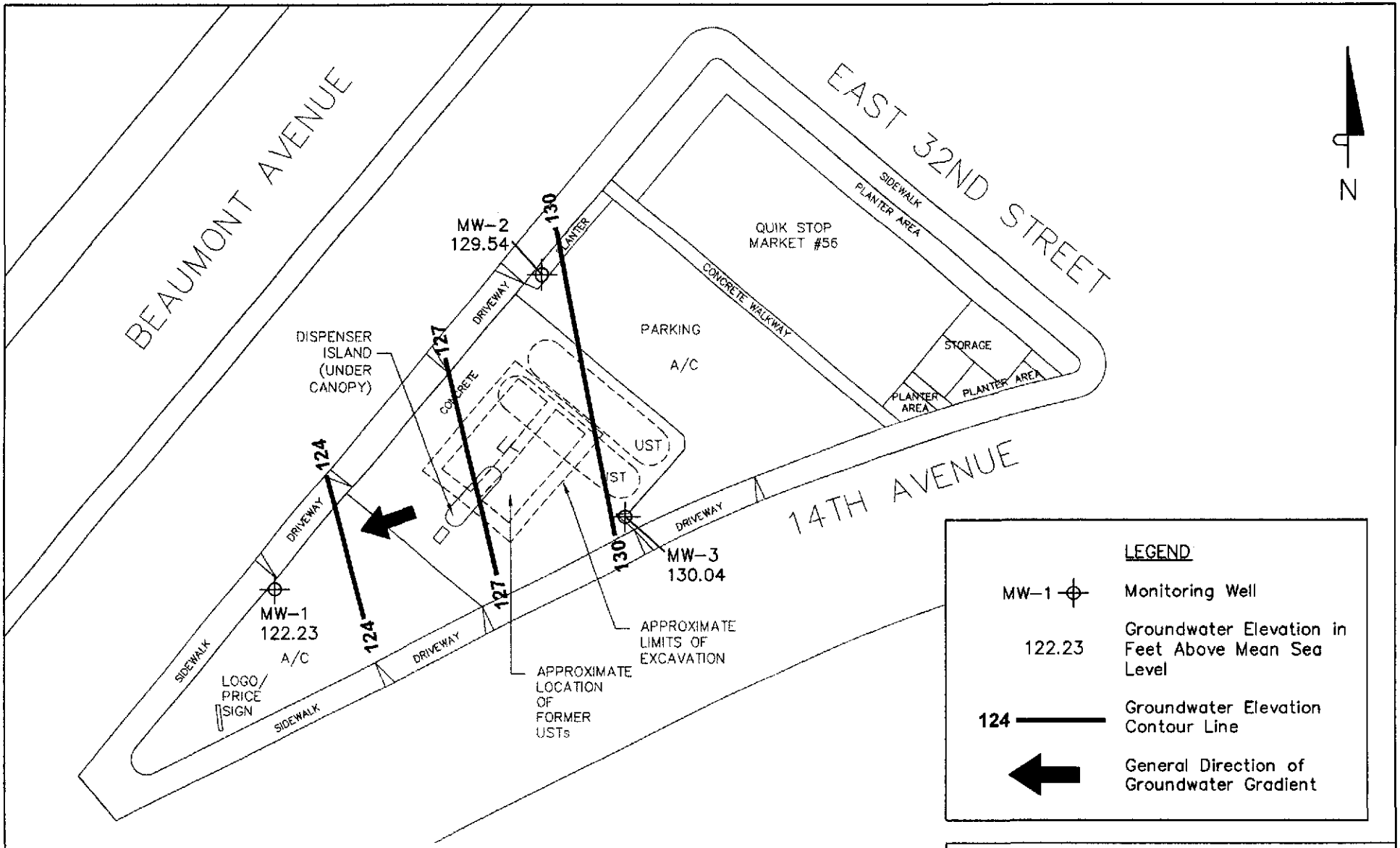
FIGURE 1

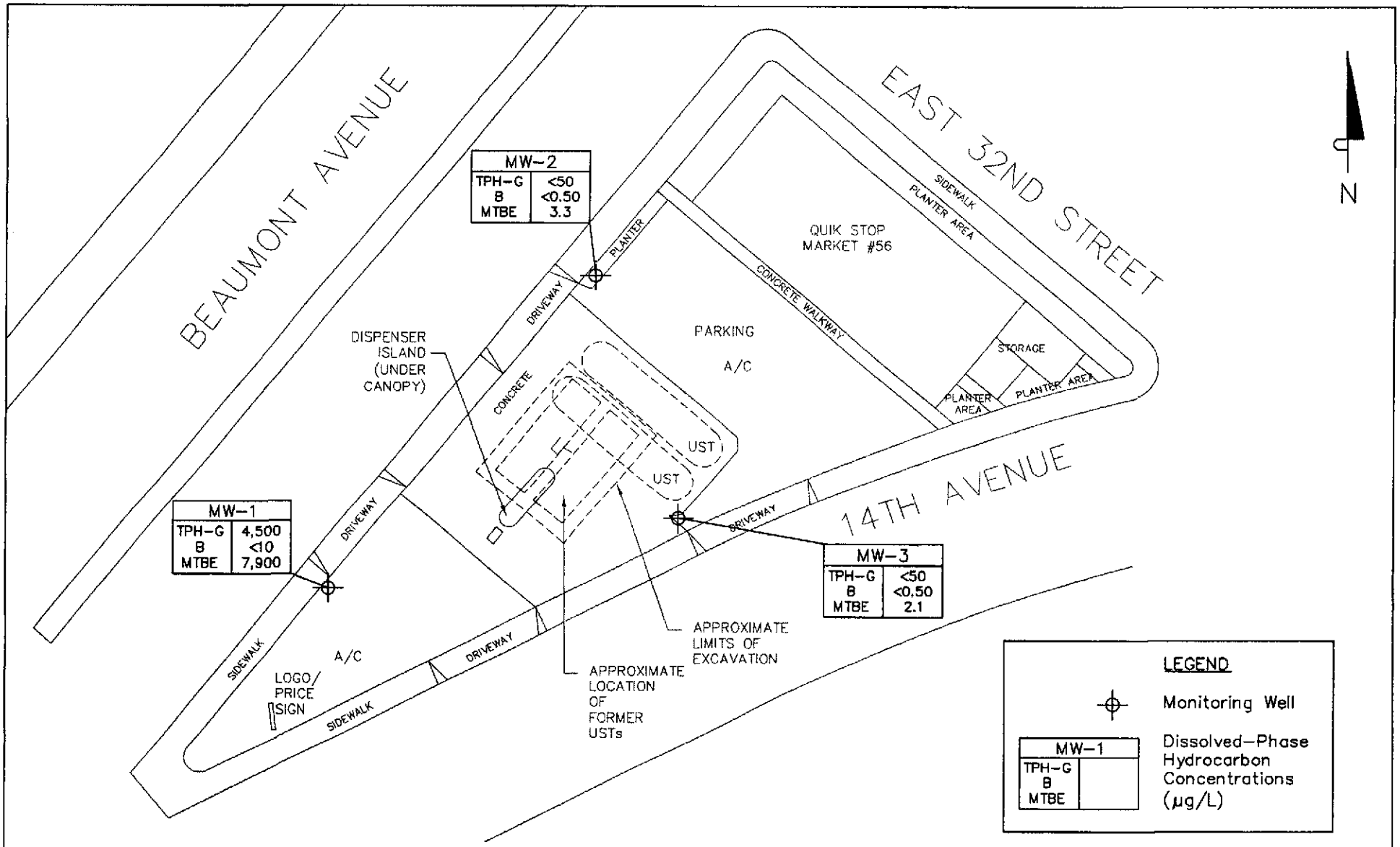


NOTES:
Contour lines are interpretive based on fluid level measurements taken on September 21, 2006. Contour interval = 3 feet.

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

GROUNDWATER ELEVATION CONTOUR MAP
September 21, 2006
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | **FIGURE 2**



NOTES:
Results are based on laboratory analysis of groundwater samples collected on September 21, 2006. µg/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
September 21, 2006
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

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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 8260 (µg/L)	Ethanol (mg/L)	DO (mg/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-1	03/29/06	134.13	10.51	123.62	16,000	<25	<25	<25	<25	23,000	—	—
MW-1	06/29/06	134.13	11.28	122.85	8,200	<15	<15	<15	<15	12,000	<5.0	—
MW-1	09/21/06	134.13	11.90	122.23	4,500	<10	<10	<10	<10	7,900	<5.0	—
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 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	Ethanol (mg/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-2	03/29/06	135.16	4.27	130.89	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—
MW-2	06/29/06	135.16	5.21	129.95	<50	<0.50	<0.50	<0.50	<0.50	5.1	<5.0	—
MW-2	09/21/06	135.16	5.62	129.54	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0	—
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	—	—
MW-3	03/29/06	136.35	4.01	132.34	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—
MW-3	06/29/06	136.35	5.41	130.94	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0	—

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 8260 (µg/L)	Ethanol (mg/L)	DO (mg/L)
MW-3	09/21/06	136.35	6.31	130.04	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0	—

NOTES:
ft-MSL = feet above mean sea level
µg/L = micrograms per liter
mg/L = milligrams per liter
TPH-G = total petroleum hydrocarbons as gasoline
DO = dissolved oxygen
< = not detected at or above the stated detection limit
MTBE = methyl tert butyl ether

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.

FIELD ACTIVITY REPORT

Project Name Quik Stop # 56	Date 9/21/06
Project Number 41023610 – 4A03	Report Number
Project Location Oakland, CA	Page 1 of 1
Field Activity Subject: 3906 M/S	

Time	Description of Field Activities and Events
	Sketch 1 Drum on site

Prepared By: _____ Date/Time: _____ Checked By: _____ Date/Time: _____	THIS FIELD REPORT ONLY PROVIDES THE RESULTS OF OBSERVATIONS AND TESTS BY TRC PERSONNEL. THIS REPORT SHOULD NOT BE CONSTRUED AS SUPERVISION, DIRECTION, OR A RECOMMENDATION.

TRC
1590 Solano Way, Suite A
Concord, California 94520
(925) 688-1200 FAX (925) 688-0388

TRC Alton Geoscience, Northern California Operations

FLUID MEASUREMENT FIELD FORM

Project No.: 41023610 TRC Alton Personnel: J. Chidester

Station No.: Quik Stop #56 Date: 9/21/06

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		5.62				29.91		
MW-3		6.31				30.62		
MW-1		11.90				29.84		

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 410236.10 Sampled By: J. Chidester Date: 9/21/06

Well No. MW-2
Total Depth (feet) 29.91
Depth to Water (feet): 5.62
Water Column (feet): 24.29
80% Recharge Depth (feet): 10.48
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.89

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1033			4	814	22.3	6.31
			8	869	23.4	6.45
	1039		12	961	24.0	6.50
	Total Purged		12	Time Sampled		1150

Comments:
Turbidity=

Well No. MW-3
Total Depth (feet) 30.62
Depth to Water (feet): 6.31
Water Column (feet): 24.31
80% Recharge Depth (feet): 11.17
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.89

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1050			4	756	22.6	6.85
			8	707	23.8	6.63
	1057		12	766	23.8	6.77
	Total Purged		12	Time Sampled		1210

Comments:
Turbidity=

Well No. MW-1
Total Depth (feet) 29.84
Depth to Water (feet): 11.90
Water Column (feet): 17.94
80% Recharge Depth (feet): 15.49
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2.87

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1111			3	786	22.8	6.63
			6	789	23.2	6.56
	1115		9	819	23.5	6.57
	Total Purged		9	Time Sampled		1230

Comments:
Turbidity=

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=

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=

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 : 09/22/06

Job#: 41023610-TAO6

GC/MSD by Direct Injection
EPA Method SW8260B-DI

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-2**					
Lab ID :	TRC06092262-01A	Ethanol	ND	5.0 µg/L	09/21/06	09/25/06
Client ID :	**MW-3**					
Lab ID :	TRC06092262-02A	Ethanol	ND	5.0 µg/L	09/21/06	09/25/06
Client ID :	**MW-1**					
Lab ID :	TRC06092262-03A	Ethanol	ND	5.0 µg/L	09/21/06	09/25/06

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

10/5/06
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

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 : 09/22/06

Job#: 41023610-TAO6

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

	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	09/21/06	09/27/06
MW-2	Methyl tert-butyl ether (MTBE)	3.3		0.50 µg/L	09/21/06	09/27/06
Lab ID :	Benzene	ND		0.50 µg/L	09/21/06	09/27/06
TRC06092262-01A	Toluene	ND		0.50 µg/L	09/21/06	09/27/06
	Ethylbenzene	ND		0.50 µg/L	09/21/06	09/27/06
	Xylenes, Total	ND		0.50 µg/L	09/21/06	09/27/06
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	09/21/06	09/27/06
MW-3	Methyl tert-butyl ether (MTBE)	2.1		0.50 µg/L	09/21/06	09/27/06
Lab ID :	Benzene	ND		0.50 µg/L	09/21/06	09/27/06
TRC06092262-02A	Toluene	ND		0.50 µg/L	09/21/06	09/27/06
	Ethylbenzene	ND		0.50 µg/L	09/21/06	09/27/06
	Xylenes, Total	ND		0.50 µg/L	09/21/06	09/27/06
Client ID :	TPH-P (GRO)	4.5		2.0 mg/L	09/21/06	09/27/06
MW-1	Methyl tert-butyl ether (MTBE)	7,900		10 µg/L	09/21/06	09/27/06
Lab ID :	Benzene	ND	V	10 µg/L	09/21/06	09/27/06
TRC06092262-03A	Toluene	ND	V	10 µg/L	09/21/06	09/27/06
	Ethylbenzene	ND	V	10 µg/L	09/21/06	09/27/06
	Xylenes, Total	ND	V	10 µg/L	09/21/06	09/27/06

Gasoline Range Organics (GRO) C4-C13
V = Reporting Limits were increased due to high concentrations of target analytes.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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

10/5/06
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: TRC06092262 **Project:** 41023610-TAO6

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06092262-01A	MW-2	Aqueous	2
06092262-02A	MW-3	Aqueous	2
06092262-03A	MW-1	Aqueous	2

10/5/06
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: 06-Oct-06

QC Summary Report

Work Order: 06092262

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **06092637.D** Batch ID: **MS15W0926C** Analysis Date: **09/26/2006 22:35**

Sample ID: **MBLK MS15W0926C** Units : µg/L Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

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	9.92		10		99	76	127			
Surr: Toluene-d8	10.3		10		103	84	113			
Surr: 4-Bromofluorobenzene	9.63		10		96	79	119			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **06092632.D** Batch ID: **MS15W0926C** Analysis Date: **09/26/2006 20:42**

Sample ID: **LCS MS15W0926C** Units : µg/L Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	10.9	0.5	10		109	81	122			
Toluene	10.6	0.5	10		106	80	120			
Ethylbenzene	10.5	0.5	10		105	80	120			
Xylenes, Total	22.4	0.5	20		112	81	128			
Surr: 1,2-Dichloroethane-d4	10.6		10		106	76	127			
Surr: Toluene-d8	9.81		10		98	84	113			
Surr: 4-Bromofluorobenzene	9.85		10		99	79	119			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **06092638.D** Batch ID: **MS15W0926C** Analysis Date: **09/26/2006 22:57**

Sample ID: **06092262-01AMS** Units : µg/L Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	53.3	1.3	50	0	107	74	125			
Toluene	52	1.3	50	0	104	76	120			
Ethylbenzene	50.5	1.3	50	0	101	77	124			
Xylenes, Total	110	1.3	100	0	110	75	130			
Surr: 1,2-Dichloroethane-d4	52.4		50		105	76	127			
Surr: Toluene-d8	48.9		50		98	84	113			
Surr: 4-Bromofluorobenzene	49.9		50		99.8	79	119			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **06092639.D** Batch ID: **MS15W0926C** Analysis Date: **09/26/2006 23:19**

Sample ID: **06092262-01AMSD** Units : µg/L Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	50	1.3	50	0	100	74	125	53.28	6.3(13)	
Toluene	48.9	1.3	50	0	98	76	120	52.01	6.1(13)	
Ethylbenzene	47.7	1.3	50	0	95	77	124	50.53	5.9(13)	
Xylenes, Total	102	1.3	100	0	102	75	130	109.9	7.3(13)	
Surr: 1,2-Dichloroethane-d4	51.8		50		104	76	127			
Surr: Toluene-d8	49.1		50		98	84	113			
Surr: 4-Bromofluorobenzene	48		50		96	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: 06-Oct-06

QC Summary Report

Work Order: 06092262

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B**

File ID: **06092637.D** Batch ID: **MS15W0926D** Analysis Date: **09/26/2006 22:35**

Sample ID: **MBLK MS15W0926D** Units : **mg/L** Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00992		0.01		99	76	127			
Surr: Toluene-d8	0.0103		0.01		103	84	113			
Surr: 4-Bromofluorobenzene	0.00963		0.01		96	79	119			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B**

File ID: **06092634.D** Batch ID: **MS15W0926D** Analysis Date: **09/26/2006 21:27**

Sample ID: **GLCS MS15W0926D** Units : **mg/L** Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.356	0.05	0.4		89	78	127			
Surr: 1,2-Dichloroethane-d4	0.0102		0.01		102	76	127			
Surr: Toluene-d8	0.01		0.01		100	84	113			
Surr: 4-Bromofluorobenzene	0.00984		0.01		98	79	119			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B**

File ID: **06092640.D** Batch ID: **MS15W0926D** Analysis Date: **09/26/2006 23:42**

Sample ID: **06092262-01AGS** Units : **mg/L** Run ID: **MSD_15_060926B** Prep Date: **09/26/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.79	0.25	2	0	89	70	139			
Surr: 1,2-Dichloroethane-d4	0.0513		0.05		103	76	127			
Surr: Toluene-d8	0.0498		0.05		99.7	84	113			
Surr: 4-Bromofluorobenzene	0.0479		0.05		96	79	119			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B**

File ID: **06092641.D** Batch ID: **MS15W0926D** Analysis Date: **09/27/2006 00:04**

Sample ID: **06092262-01AGSD** Units : **mg/L** Run ID: **MSD_15_060926B** Prep Date: **09/27/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.68	0.25	2	0	84	70	139	1.789	6.5(12)	
Surr: 1,2-Dichloroethane-d4	0.0504		0.05		101	76	127			
Surr: Toluene-d8	0.0499		0.05		99.7	84	113			
Surr: 4-Bromofluorobenzene	0.0491		0.05		98	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: 06-Oct-06

QC Summary Report

Work Order: 06092262

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\060925\06092503.D** Batch ID: **15672** Analysis Date: **09/25/2006 11:15**

Sample ID: **MBLK-15672** Units : **µg/L** Run ID: **MSD_11_060925A** Prep Date: **09/25/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	515		500		103	63	137			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\060925\06092504.D** Batch ID: **15672** Analysis Date: **09/25/2006 11:36**

Sample ID: **LCS-15672** Units : **µg/L** Run ID: **MSD_11_060925A** Prep Date: **09/25/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Ethanol	243	5	250		97	51	144			
Surr: Hexafluoro-2-propanol	511		500		102	63	137			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\060925\06092506.D** Batch ID: **15672** Analysis Date: **09/25/2006 12:17**

Sample ID: **06092262-02AMS** Units : **µg/L** Run ID: **MSD_11_060925A** Prep Date: **09/25/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Ethanol	247	5	250	0	99	50	149			
Surr: Hexafluoro-2-propanol	445		500		89	63	137			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\060925\06092507.D** Batch ID: **15672** Analysis Date: **09/25/2006 12:38**

Sample ID: **06092262-02AMSD** Units : **µg/L** Run ID: **MSD_11_060925A** Prep Date: **09/25/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Ethanol	255	5	250	0	102	50	149	246.5	3.5(15)	
Surr: Hexafluoro-2-propanol	437		500		87	63	137			

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 :

Irvine

CHAIN-OF-CUSTODY RECORD

AMENDED

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : TRC06092262

Report Due By : 5:00 PM On : 06-Oct-06

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@trcsolutions.com

EDD Required : Yes

Sampled by : J. Chidester

Report Attention : James Chidester
CC Report :

Job : 41023610-TAO6
PO :

Client's COC # : 05084

Cooler Temp	Samples Received	Date Printed
4 °C	22-Sep-06	27-Sep-06

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W					Sample Remarks
TRC06092262-01A	MW-2	AQ	09/21/06 11:50	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					
TRC06092262-02A	MW-3	AQ	09/21/06 12:10	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					
TRC06092262-03A	MW-1	AQ	09/21/06 12:30	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					

Comments: Security seals intact. Frozen ice. Total Xylenes. Site @ Quik Stop #56 Oakland, CA. Amended 9/27/06 to correct job name, due to login error, TD. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Tara Dickinson	Alpha Analytical, Inc.	9/27/06 1132

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 :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : TRC06092262

Report Due By : 5:00 PM On : 06-Oct-06

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@trcsolutions.com

EDD Required : Yes

Sampled by : J. Chidester

Report Attention : James Chidester
CC Report :

Job : 41023610-TAOG
PO :

Client's COC # : 05084

Cooler Temp	Samples Received	Date Printed
4 °C	22-Sep-06	22-Sep-06

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W					Sample Remarks
TRC06092262-01A	MW-2	AQ	09/21/06 11:50	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					
TRC06092262-02A	MW-3	AQ	09/21/06 12:10	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					
TRC06092262-03A	MW-1	AQ	09/21/06 12:30	6	0	10		Low Level EtOH	GAS-C	BTXE/M_C					

Comments: Security seals intact. Frozen ice. Total Xylenes. Site @ Quik Stop #56 Oakland, CA. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Karen Dickinson	Karen Dickinson	Alpha Analytical, Inc.	9/22/06 1436

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

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA X NV ___ WA ___
ID ___ OR ___ OTHER ___

Page # 1 of 1

Analyses Required

05084

Client Name	P.O. #	Job #
TRC		41023610-TA06
Address	**EMail Address**	
1590 Solano Way, Ste. A	jchidester@trcsolutions.com	
City, State, Zip	**Phone #**	**Fax #**
Concord, CA 94520	(925) 688-1200	(925) 688-0388
Sampled by	**Report Attention**	
J. Chidester	James Chidester	

Required QC Level? I II III IV

EDD / EDF? YES ✓ NO ___

Global ID # T0600100990

Time Sampled	Date Sampled	Matrix* See Key Below	Office Use Only / Lab ID Number	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	TPH-P	BTEX	MTBE	ETOH	REMARKS
1150	9/21/06	AQ	TRCDC0922602-01	MW-2	STD		6V	X	X	X	X	
1210	↓	↓	-02	MW-3	↓		↓	↓	↓	↓	↓	
1230	↓	↓	-03	MW-1	↓		↓	↓	↓	↓	↓	

Alpha Analytical Sample Receipt
Security Seals? YES NO
Frozen Ice? YES NO
Temperature 4 °C

ADDITIONAL INSTRUCTIONS:
Site @ Quik Stop #56 Oakland, CA

	Signature	Print Name	Company	Date	Time
Relinquished by		James Chidester	TRC	9/21/06	1500
Received by		Tara Dickinson	Alpha	9/22/06	1430
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.