TRC

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April 30, 2007 Project 41-0236-12

Mr. Steven Plunkett
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, FIRST QUARTER 2007

Dear Mr. Plunkett:

Enclosed is a copy of the *First Quarter 2007 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.

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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, FIRST QUARTER 2007

Dear Mr. Karvelot:

This *First Quarter 2007 Quarterly Groundwater Monitoring Report* presents the results of the First Quarter 2007 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 March 28, 2007. Groundwater elevations averaged 128.08 feet above mean sea level (MSL). Groundwater flow direction was to the southwest at a gradient of 0.108 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 March 28, 2007, 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 55 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on March 28, 2007. 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, March 28, 2007
Figure 3:	Dissolved-Phase Hydrocarbon Concentrations, March 28, 2007
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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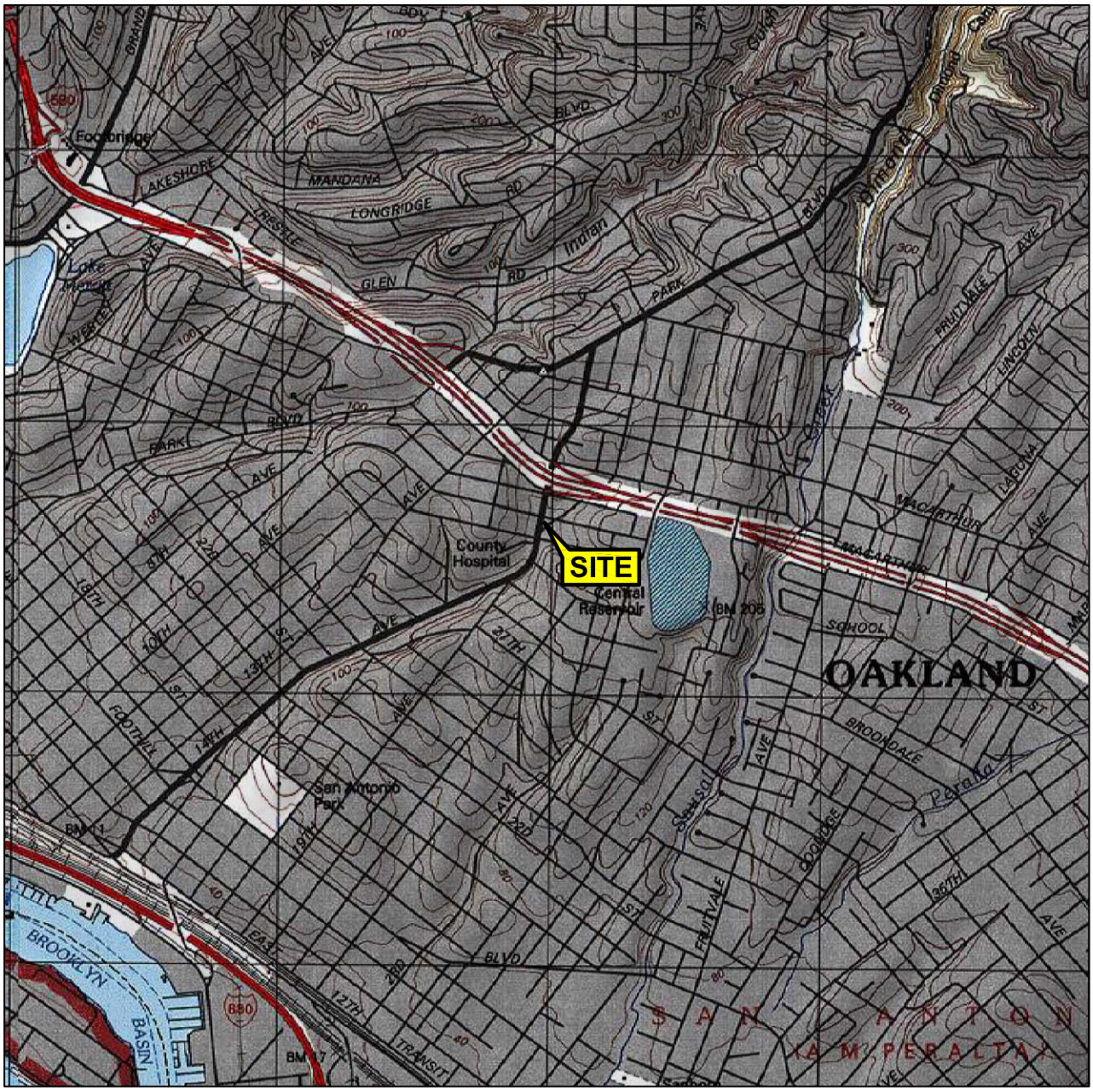
FIGURES



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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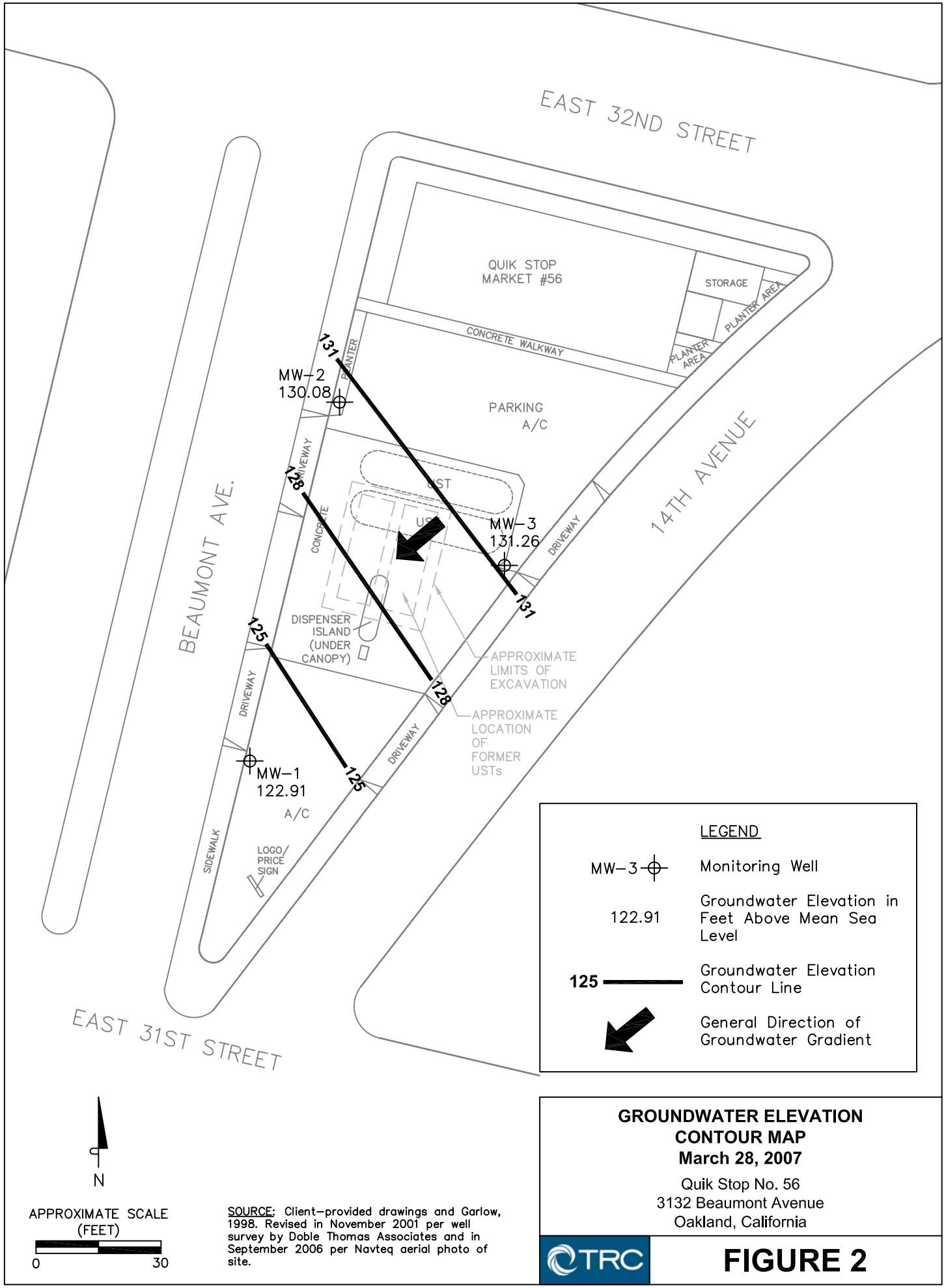
FIGURE 1



SOURCE: Client-provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

GROUNDWATER ELEVATION CONTOUR MAP
March 28, 2007

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

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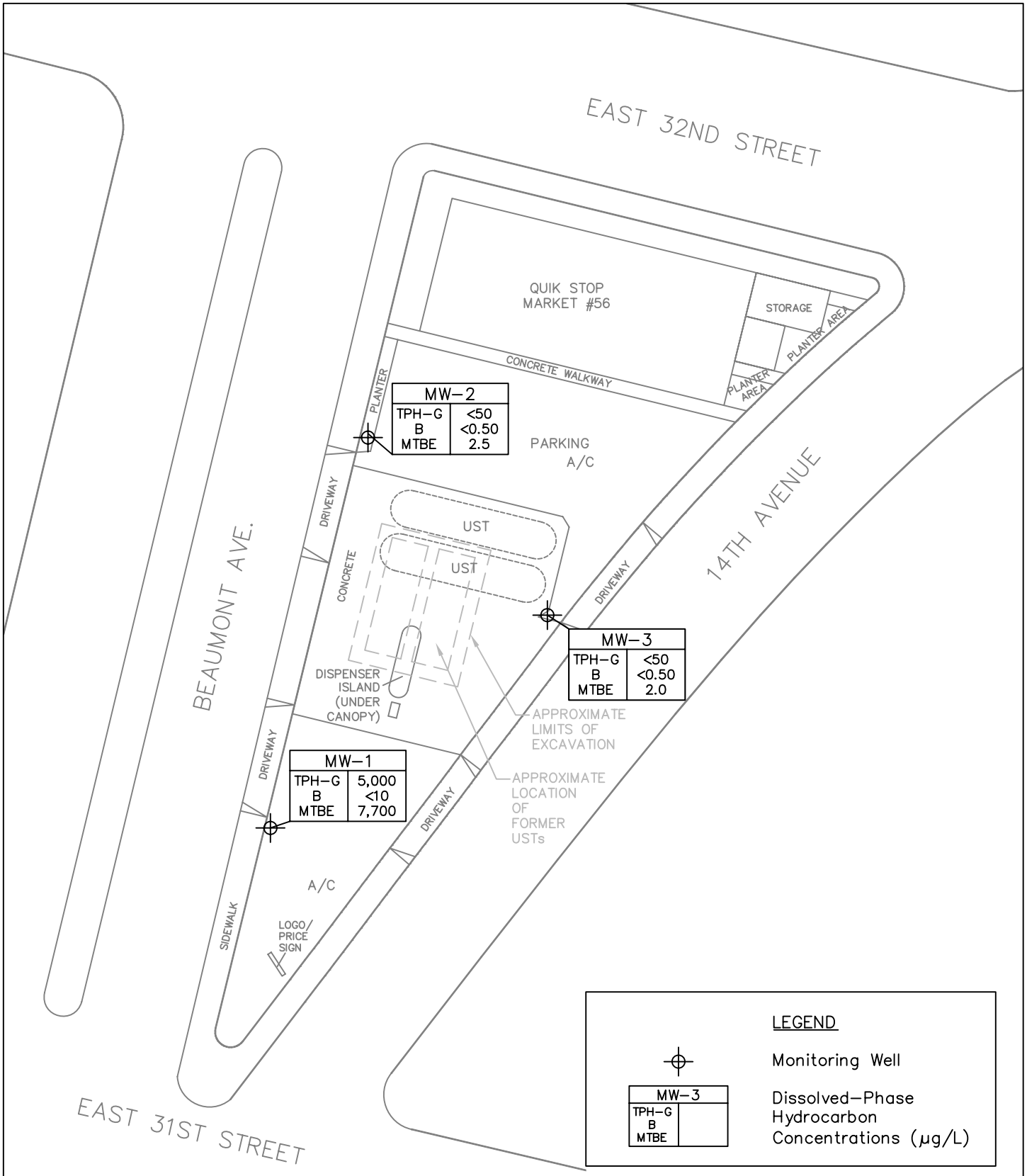
FIGURE 2



NOTES:
Results are based on laboratory analysis of groundwater samples. 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. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
March 28, 2007
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-1	12/08/06	134.13	11.65	122.48	3,900	<10	<10	<10	<10	4,100	<5.0	—
MW-1	03/28/07	134.13	11.22	122.91	5,000	<10	<10	<10	<10	7,700	<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	—	—

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	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	—	—
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-2	12/08/06	135.16	5.29	129.87	<50	<0.50	<0.50	<0.50	<0.50	3.1	<5.0	—
MW-2	03/28/07	135.16	5.08	130.08	<50	<0.50	<0.50	<0.50	<0.50	2.5	<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	—	—

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	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	—
MW-3	09/21/06	136.35	6.31	130.04	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0	—
MW-3	12/08/06	136.35	5.75	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0	—
MW-3	03/28/07	136.35	5.09	131.26	<50	<0.50	<0.50	<0.50	<0.50	2.0	<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.

TRC Alton Geoscience, Northern California Operations

FLUID MEASUREMENT FIELD FORM

Project No.: 41023612 TRC Alton Personnel: J. Chidester

Station No.: Quik Stop #56 Date: 3/28/07

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		5.08				30.06		2"
MW-3		5.09				30.65		2"
MW-1		11.22				30.14		2"

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 41023612 Sampled By: J. Chidester Date: 3/28/07

Well No. MW-2
Total Depth (feet) 30.06
Depth to Water (feet): 5.08
Water Column (feet): 24.98
80% Recharge Depth (feet): 10.08
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4.00

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1039			4	806	18.2	6.63
			8	864	18.4	6.51
	1043		12	890	18.5	6.47
	Total Purged		12	Time Sampled		1150

Comments:
Turbidity=

Well No. MW-3
Total Depth (feet) 30.65
Depth to Water (feet): 5.09
Water Column (feet): 25.56
80% Recharge Depth (feet): 10.20
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4.09

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1058			4	633	19.3	6.74
			8	630	19.0	6.79
	1104		12	630	19.7	6.80
	Total Purged		12	Time Sampled		1210

Comments:
Turbidity=

Well No. MW-1
Total Depth (feet) 30.14
Depth to Water (feet): 11.22
Water Column (feet): 18.92
80% Recharge Depth (feet): 15.00
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.03

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1118			3	654	20.3	6.49
			6	668	20.2	6.51
	1122		9	647	20.8	6.44
	Total Purged		9	Time Sampled		1220

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=

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 03/30/07

Job#: 41023612-TA05

GC/MSD by Direct Injection
EPA Method SW8260B-DI

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	**MW-2**					
Lab ID :	TRC07033054-01A	Methanol	ND	50 µg/L	03/28/07	04/02/07
		Ethanol	ND	5.0 µg/L	03/28/07	04/02/07
Client ID :	**MW-3**					
Lab ID :	TRC07033054-02A	Methanol	ND	50 µg/L	03/28/07	04/02/07
		Ethanol	ND	5.0 µg/L	03/28/07	04/02/07
Client ID :	**MW-1**					
Lab ID :	TRC07033054-03A	Methanol	ND	50 µg/L	03/28/07	04/02/07
		Ethanol	ND	5.0 µg/L	03/28/07	04/02/07

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

4/12/07
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 : 03/30/07

Job#: 41023612-TA05

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	03/28/07	04/04/07
MW-2	Methyl tert-butyl ether (MTBE)	2.5		0.50 µg/L	03/28/07	04/04/07
Lab ID :	Benzene	ND		0.50 µg/L	03/28/07	04/04/07
TRC07033054-01A	Toluene	ND		0.50 µg/L	03/28/07	04/04/07
	Ethylbenzene	ND		0.50 µg/L	03/28/07	04/04/07
	Xylenes, Total	ND		0.50 µg/L	03/28/07	04/04/07
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	03/28/07	04/04/07
MW-3	Methyl tert-butyl ether (MTBE)	2.0		0.50 µg/L	03/28/07	04/04/07
Lab ID :	Benzene	ND		0.50 µg/L	03/28/07	04/04/07
TRC07033054-02A	Toluene	ND		0.50 µg/L	03/28/07	04/04/07
	Ethylbenzene	ND		0.50 µg/L	03/28/07	04/04/07
	Xylenes, Total	ND		0.50 µg/L	03/28/07	04/04/07
Client ID :	TPH-P (GRO)	5.0		2.0 mg/L	03/28/07	04/04/07
MW-1	Methyl tert-butyl ether (MTBE)	7,700		10 µg/L	03/28/07	04/04/07
Lab ID :	Benzene	ND	D	10 µg/L	03/28/07	04/04/07
TRC07033054-03A	Toluene	ND	D	10 µg/L	03/28/07	04/04/07
	Ethylbenzene	ND	D	10 µg/L	03/28/07	04/04/07
	Xylenes, Total	ND	D	10 µg/L	03/28/07	04/04/07

D = Reporting Limits were increased due to high concentrations of non-target analytes.
Gasoline Range Organics (GRO) C4-C13
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

4/12/07
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: TRC07033054 **Project:** 41023612-TA05

Alpha's Sample ID	Client's Sample ID	Matrix	pH
07033054-01A	MW-2	Aqueous	2
07033054-02A	MW-3	Aqueous	2
07033054-03A	MW-1	Aqueous	2

4/12/07

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: *09-Apr-07*

QC Summary Report

Work Order: 07033054

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\070402\07040203.D** Batch ID: **17166** Analysis Date: **04/02/2007 11:14**

Sample ID: **MBLK-17166** Units : **µg/L** Run ID: **MSD_11_070402A** Prep Date: **04/02/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	50								
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	406		500		81	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\070402\07040204.D** Batch ID: **17166** Analysis Date: **04/02/2007 11:35**

Sample ID: **LCS-17166** Units : **µg/L** Run ID: **MSD_11_070402A** Prep Date: **04/02/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	231	50	250		92	61	139			
Ethanol	256	5	250		102	68	132			
Surr: Hexafluoro-2-propanol	408		500		82	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\070402\07040206.D** Batch ID: **17166** Analysis Date: **04/02/2007 12:16**

Sample ID: **07033004-02AMS** Units : **µg/L** Run ID: **MSD_11_070402A** Prep Date: **04/02/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	233	50	250	0	93	58	142			
Ethanol	252	5	250	0	101	67	133			
Surr: Hexafluoro-2-propanol	403		500		81	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\070402\07040207.D** Batch ID: **17166** Analysis Date: **04/02/2007 12:36**

Sample ID: **07033004-02AMSD** Units : **µg/L** Run ID: **MSD_11_070402A** Prep Date: **04/02/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	223	50	250	0	89	58	142	232.9	4.6(20)	
Ethanol	257	5	250	0	103	67	133	251.9	2.1(20)	
Surr: Hexafluoro-2-propanol	380		500		76	70	130			

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.

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Date: *09-Apr-07*

QC Summary Report

Work Order: 07033054

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040406.D** Batch ID: **MS10W0404B** Analysis Date: **04/04/2007 09:30**

Sample ID: **MBLK MS10W0404B** Units : **mg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0102		0.01		102	75	128			
Surr: Toluene-d8	0.00991		0.01		99	80	120			
Surr: 4-Bromofluorobenzene	0.00908		0.01		91	80	120			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040405.D** Batch ID: **MS10W0404B** Analysis Date: **04/04/2007 09:08**

Sample ID: **GLCS MS10W0404B** Units : **mg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.412	0.05	0.4		103	70	130			
Surr: 1,2-Dichloroethane-d4	0.0106		0.01		106	75	128			
Surr: Toluene-d8	0.00975		0.01		98	80	120			
Surr: 4-Bromofluorobenzene	0.00942		0.01		94	80	120			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040417.D** Batch ID: **MS10W0404B** Analysis Date: **04/04/2007 13:26**

Sample ID: **07033054-01AGS** Units : **mg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.92	0.25	2	0	96	60	131			
Surr: 1,2-Dichloroethane-d4	0.0517		0.05		103	75	128			
Surr: Toluene-d8	0.0499		0.05		99.8	80	120			
Surr: 4-Bromofluorobenzene	0.0472		0.05		94	80	120			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040418.D** Batch ID: **MS10W0404B** Analysis Date: **04/04/2007 13:47**

Sample ID: **07033054-01AGSD** Units : **mg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.95	0.25	2	0	97	60	131	1.918	1.4(20)	
Surr: 1,2-Dichloroethane-d4	0.0532		0.05		106	75	128			
Surr: Toluene-d8	0.0488		0.05		98	80	120			
Surr: 4-Bromofluorobenzene	0.0459		0.05		92	80	120			

Comments:

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Alpha Analytical, Inc.

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Date: 09-Apr-07

QC Summary Report

Work Order: 07033054

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040406.D** Batch ID: **MS10W0404A** Analysis Date: **04/04/2007 09:30**

Sample ID: **MBLK MS10W0404A** Units : **µg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	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	10.2		10		102	75	128			
Surr: Toluene-d8	9.91		10		99	80	120			
Surr: 4-Bromofluorobenzene	9.08		10		91	80	120			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040404.D** Batch ID: **MS10W0404A** Analysis Date: **04/04/2007 08:46**

Sample ID: **LCS MS10W0404A** Units : **µg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	11.4	0.5	10		114	70	130			
Benzene	10.3	0.5	10		103	70	130			
Toluene	9.33	0.5	10		93	80	120			
Ethylbenzene	10.5	0.5	10		105	80	120			
Xylenes, Total	20.7	0.5	20		104	70	130			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	75	128			
Surr: Toluene-d8	9.71		10		97	80	120			
Surr: 4-Bromofluorobenzene	9.1		10		91	80	120			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040415.D** Batch ID: **MS10W0404A** Analysis Date: **04/04/2007 12:43**

Sample ID: **07033054-01AMS** Units : **µg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	59.3	1.3	50	2.45	114	62	139			
Benzene	49	1.3	50	0	98	70	130			
Toluene	43.6	1.3	50	0	87	67	130			
Ethylbenzene	48.8	1.3	50	0	98	70	130			
Xylenes, Total	94.5	1.3	100	0	95	70	130			
Surr: 1,2-Dichloroethane-d4	53		50		106	75	128			
Surr: Toluene-d8	47.6		50		95	80	120			
Surr: 4-Bromofluorobenzene	45.6		50		91	80	120			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\070404\07040416.D** Batch ID: **MS10W0404A** Analysis Date: **04/04/2007 13:05**

Sample ID: **07033054-01AMSD** Units : **µg/L** Run ID: **MSD_10_070404A** Prep Date: **04/04/2007**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	56.9	1.3	50	2.45	109	62	139	59.34	4.3(20)	
Benzene	46.4	1.3	50	0	93	70	130	49.01	5.6(20)	
Toluene	42.5	1.3	50	0	85	67	130	43.57	2.5(20)	
Ethylbenzene	47.4	1.3	50	0	95	70	130	48.75	2.9(20)	
Xylenes, Total	92.7	1.3	100	0	93	70	130	94.54	2.0(20)	
Surr: 1,2-Dichloroethane-d4	52.7		50		105	75	128			
Surr: Toluene-d8	49.2		50		98	80	120			
Surr: 4-Bromofluorobenzene	45.6		50		91	80	120			

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

CA

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

WorkOrder : TRC07033054

Report Due By : 5:00 PM On : 13-Apr-07

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 : James Chidester

Report Attention : James Chidester
CC Report :

Job : 41023612-TA05
PO :

Client's COC # : 14826

Cooler Temp	Samples Received	Date Printed
4 °C	30-Mar-07	**30-Mar-07**

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
TRC07033054-01A	MW-2	AQ	03/28/07 11:50	6	0	10		Low Level MeOH / EtOH	GAS-C	BTXE_C	
TRC07033054-02A	MW-3	AQ	03/28/07 12:10	6	0	10		Low Level MeOH / EtOH	GAS-C	BTXE_C	
TRC07033054-03A	MW-1	AQ	03/28/07 12:20	6	0	10		Low Level MeOH / EtOH	GAS-C	BTXE_C	

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

	Signature	Print Name	Company	Date/Time
Logged in by:	Tara Dickinson	Tara Dickinson	**Alpha Analytical, Inc.**	3/30/07 1517

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 Solutions
Address P.O. Box 54770
City, State, Zip Irvine, CA 92619-4770
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

14826

Client Name	P.O. #	Job #
TRC		41023612 - TA05
Address 1590 Solano Way, Ste. A	EMail Address jchidester@trcsolutions.com	
City, State, Zip Concord, CA 94520	Phone # (925) 688-1200	Fax # (925) 688-0388

Analyses Required: TPH-P, BTEX, MTBE, ETOH

Required QC Level? I II III IV

EDD / EDF? YES ✓ NO ___

Global ID # T0600774775

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by: James Chidester Lab ID Number (Office Use Only)	Report Attention: James Chidester Sample Description	TAT	Field Filtered	Total and type of containers ** See below	REMARKS
1150	3/29/07	AQ	TRC0703554-01	MW-2	STD		6V w/HCl	
1210	↓	↓	-02	MW-3	↓		↓	
1220	↓	↓	-03	MW-1	↓		↓	

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

	Signature	Print Name	Company	Date	Time
Relinquished by		James Chidester	TRC	3/29/07	1400
Received by		Tara Dickinson	Alpha	3/30/07	1042
Relinquished by					
Received by					
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: 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.