

**TRC**  
Customer-Focused Solutions



April 28, 2006

Project 41-0236-10

Ms. Donna Drogos  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Program  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

2006 MAY - 1 PM 2:46

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

RE: QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2006

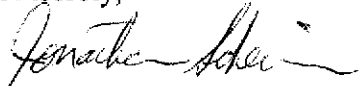
Dear Ms. Drogos:

Enclosed is a copy of the *First Quarter 2006 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.





Customer-Focused Solutions

April 28, 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, FIRST QUARTER 2006

Dear Mr. Karvelot:

This *First Quarter 2006 Quarterly Groundwater Monitoring Report* presents the results of the First 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 March 29, 2006. Groundwater elevations averaged 128.95 feet above mean sea level (MSL). Groundwater flow direction was to the west at a gradient of 0.117 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 29, 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), 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.

Approximately 55 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on March 29, 2006. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

### 3.0 LIST OF ATTACHMENTS

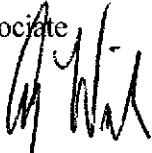
- Figure 1: Vicinity Map
- Figure 2: Groundwater Elevation Contour Map, March 29, 2006
- Figure 3: Dissolved-Phase Hydrocarbon Concentrations, March 29, 2006
- Table 1: Summary of Groundwater Levels and Chemical Analysis
- Appendix: General Field Procedures, Field Measurement Forms, Official Laboratory 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



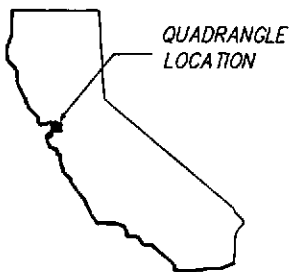
## FIGURES



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



SCALE 1 : 24,000



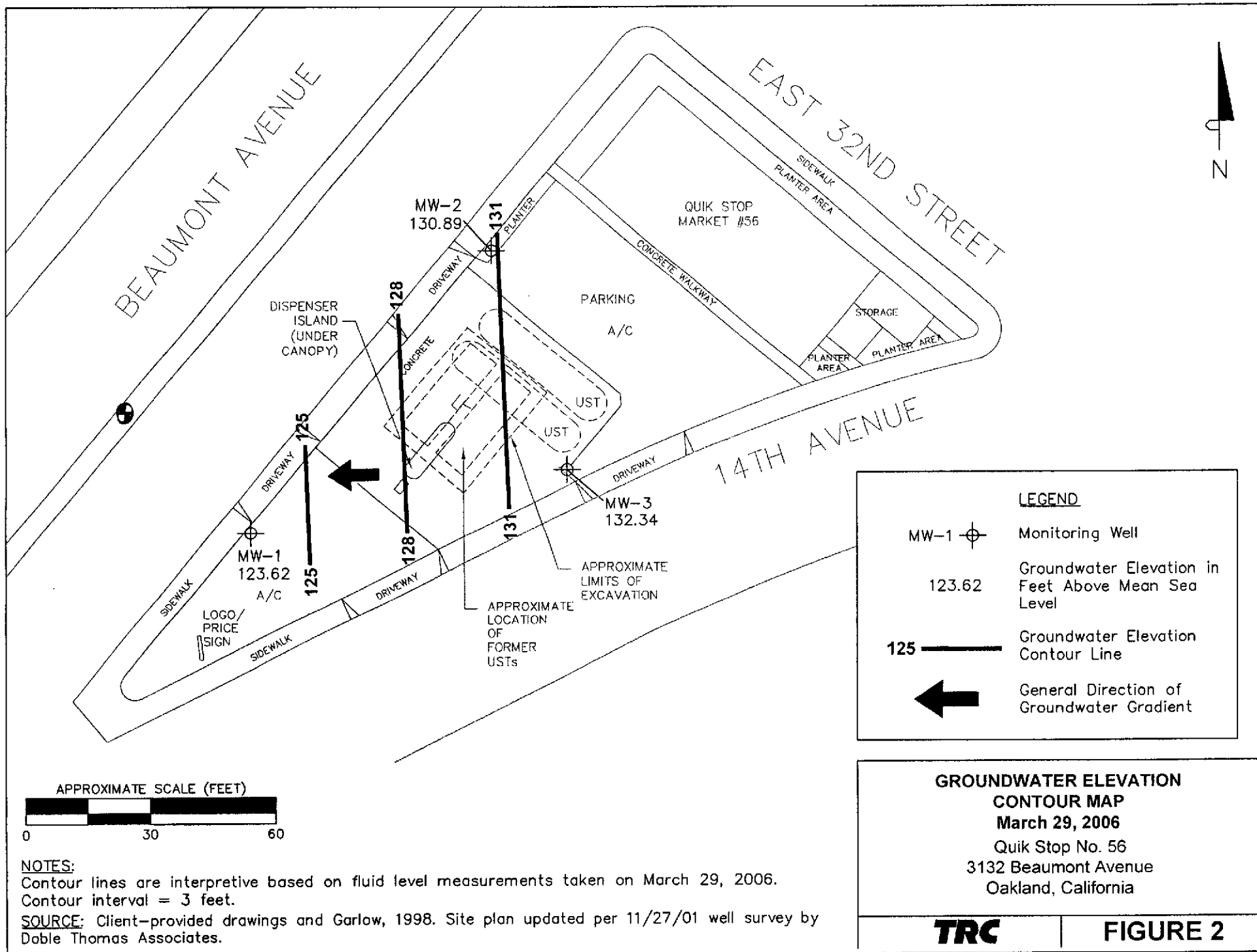
SOURCE:  
 United States Geological Survey  
 7.5 Minute Topographic Maps:  
 Oakland East and  
 Oakland West Quadrangles

**VICINITY MAP**

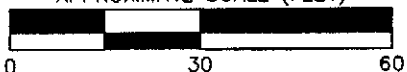
Quik Stop No. 56  
 3132 Beaumont Avenue  
 Oakland, California

**TRC**

**FIGURE 1**



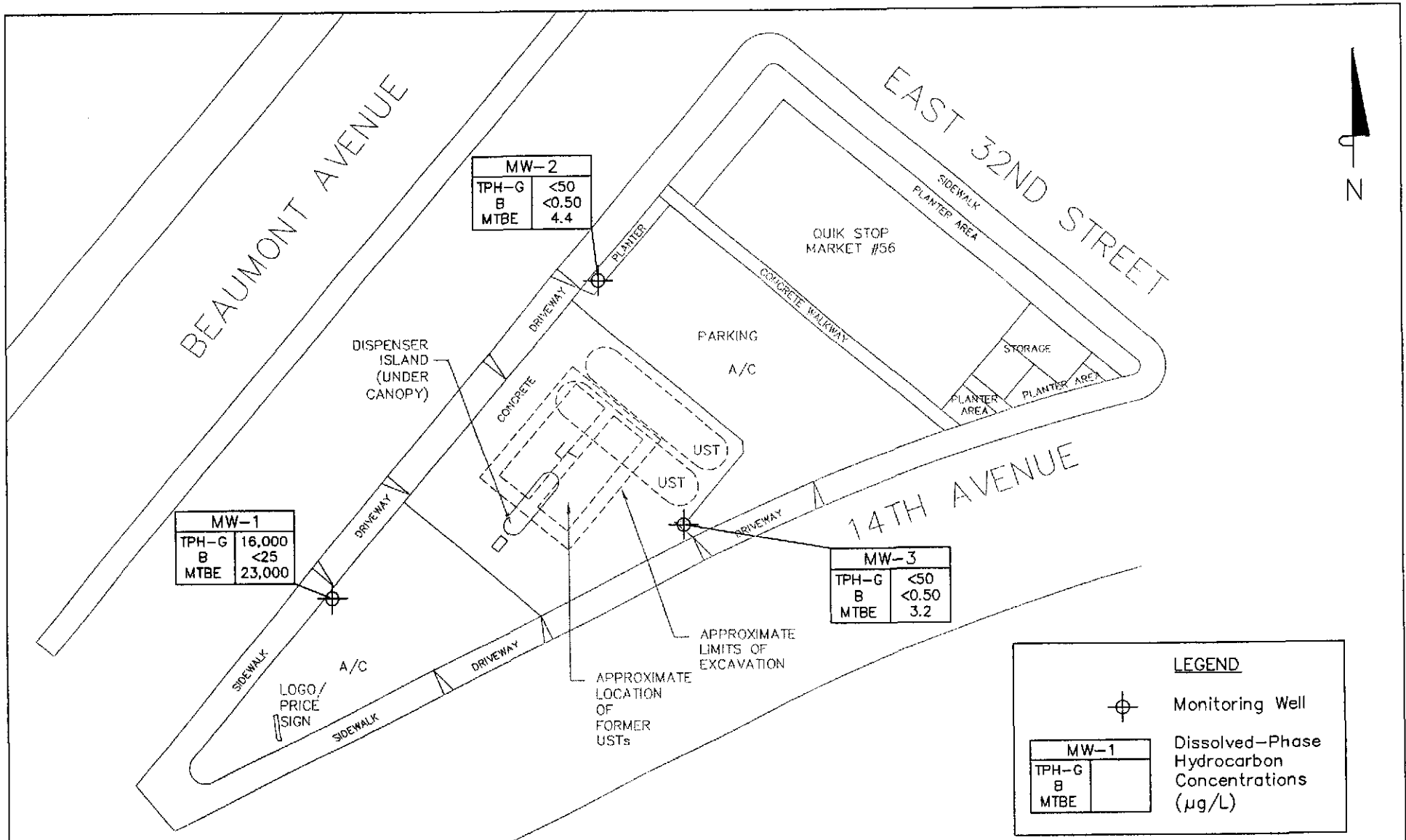
APPROXIMATE SCALE (FEET)



**NOTES:**

Contour lines are interpretive based on fluid level measurements taken on March 29, 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.



MW-2	
TPH-G	<50
B	<0.50
MTBE	4.4

MW-1	
TPH-G	16,000
B	<25
MTBE	23,000

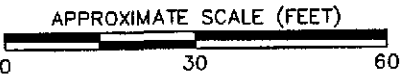
MW-3	
TPH-G	<50
B	<0.50
MTBE	3.2

**LEGEND**

Monitoring Well

MW-1	
TPH-G	
B	
MTBE	

Dissolved-Phase Hydrocarbon Concentrations (µg/L)



**NOTES:**  
 Results are based on laboratory analysis of groundwater samples collected on March 29, 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**  
 March 29, 2006  
 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 8260 (µg/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-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	Depth to	Groundwater	TPH-G	Benzene	Toluene	Ethyl-	Total	MTBE	DO
		Elevation		Water							
		(ft-MSL)	(feet)	(feet)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(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-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	—

NOTES: ft-MSL = feet above mean sea level

DO = dissolved oxygen

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

Sample ID	Date	Top of	Depth to	Groundwater		TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	DO (mg/L)
		Casing Elevation (ft-MSL)	Water Elevation (feet)	Elevation (feet)								

µg/L = micrograms per liter

mg/L = milligrams per liter

TPH-G = total petroleum hydrocarbons as gasoline

< = 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.

**FLUID MEASUREMENT FIELD FORM**

Project No.: 41023610

TRC Alton Personnel: J. Chidester

Station No.: Quik Stop # 56

Date: 3/29/06

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Dissolved O <sub>2</sub> (mg/L)	Comments
MW-2		4.27				29.91		
MW-3		4.01				30.62		
MW-1		10.51				29.84		

# GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 41023610 Sampled By: J. Chidester Date: 3/29/06

Well No. MW-2 Purge Method: 2" Sub.  
 Total Depth (feet) 29.91 Depth to Product (feet): -  
 Depth to Water (feet): 4.27 Product Recovered (gallons): -  
 Water Column (feet): 25.64 Casing Diameter (Inches): 2"  
 80% Recharge Depth (feet): 9.40 1 Well Volume (gallons): 4.10

Well No. MW-3 Purge Method: 2" Sub.  
 Total Depth (feet) 30.62 Depth to Product (feet): -  
 Depth to Water (feet): 4.01 Product Recovered (gallons): -  
 Water Column (feet): 26.61 Casing Diameter (Inches): 2"  
 80% Recharge Depth (feet): 7.33 1 Well Volume (gallons): 4.26

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH
947			4	1077	17.6	6.87
			8	1092	18.5	6.75
	952		12	1100	18.7	6.68
Total Purged			12	Time Sampled		1100

Comments:  
Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH
959			4	803	18.6	7.18
			8	771	19.2	7.06
	1005		13	774	19.7	6.96
Total Purged			13	Time Sampled		1115

Comments:  
Turbidity=

Well No. MW-1 Purge Method: 2" Sub.  
 Total Depth (feet) 29.84 Depth to Product (feet): -  
 Depth to Water (feet): 10.51 Product Recovered (gallons): -  
 Water Column (feet): 19.33 Casing Diameter (Inches): 2"  
 80% Recharge Depth (feet): 14.38 1 Well Volume (gallons): 3.09

Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH
1025			3	812	18.6	6.91
			6	795	19.7	6.72
	1030		9	806	19.6	6.68
Total Purged			9	Time Sampled		1130

Comments: Slight Sheen  
Turbidity=

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. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 1 Well Volume (gallons): \_\_\_\_\_

Well No. \_\_\_\_\_ Purge Method: \_\_\_\_\_  
 Total Depth (feet) \_\_\_\_\_ Depth to Product (feet): \_\_\_\_\_  
 Depth to Water (feet): \_\_\_\_\_ Product Recovered (gallons): \_\_\_\_\_  
 Water Column (feet): \_\_\_\_\_ Casing Diameter (Inches): \_\_\_\_\_  
 80% Recharge Depth (feet): \_\_\_\_\_ 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		

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 : 04/05/06

Job#: 41023610-TA05

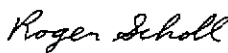
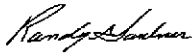
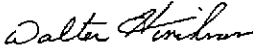
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B/DHS LUFT Manual  
Volatile Organic Compounds (VOCs) EPA Method SW8260B

	Parameter	Concentration	Reporting	Date	Date
			Limit	Sampled	Analyzed
Client ID :	TPH-P (GRO)	ND	0.50 mg/L	03/29/06	04/07/06
MW-2	Methyl tert-butyl ether (MTBE)	4.4	0.50 µg/L	03/29/06	04/07/06
Lab ID :	Benzene	ND	0.50 µg/L	03/29/06	04/07/06
TRC06040531-01A	Toluene	ND	0.50 µg/L	03/29/06	04/07/06
	Ethylbenzene	ND	0.50 µg/L	03/29/06	04/07/06
	Xylenes, Total	ND	0.50 µg/L	03/29/06	04/07/06
Client ID :	TPH-P (GRO)	ND	0.50 mg/L	03/29/06	04/07/06
MW-3	Methyl tert-butyl ether (MTBE)	3.2	0.50 µg/L	03/29/06	04/07/06
Lab ID :	Benzene	ND	0.50 µg/L	03/29/06	04/07/06
TRC06040531-02A	Toluene	ND	0.50 µg/L	03/29/06	04/07/06
	Ethylbenzene	ND	0.50 µg/L	03/29/06	04/07/06
	Xylenes, Total	ND	0.50 µg/L	03/29/06	04/07/06
Client ID :	TPH-P (GRO)	16	5.0 mg/L	03/29/06	04/07/06
MW-1	Methyl tert-butyl ether (MTBE)	23,000	25 µg/L	03/29/06	04/07/06
Lab ID :	Benzene	ND	V	03/29/06	04/07/06
TRC06040531-03A	Toluene	ND	V	03/29/06	04/07/06
	Ethylbenzene	ND	V	03/29/06	04/07/06
	Xylenes, Total	ND	V	03/29/06	04/07/06

Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of 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) 281-4648 / info@alpha-analytical.com

4/17/06  
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: TRC06040531

Project: 41023610-TA05

---

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06040531-01A	MW-2	Aqueous	2
06040531-02A	MW-3	Aqueous	2
06040531-03A	MW-1	Aqueous	2

---

4/17/06  
Report Date

AMENDED

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 : TRC06040531

### Report Due By : 5:00 PM On : 18-Apr-06

Client:  
 TRC-Alton Geoscience  
 1590 Solano Way Suite A

James Chidester  
 TEL : (925) 688-2485 x 238  
 FAX : (925) 688-0388  
 EMail : jchidester@trcsolutions.com

EDD Required : Yes

Sampled by : J. Chidester

Concord, CA 94520  
 Report Attention : James Chidester  
 CC Report :

Job : 41023610-TA05  
 PO : Client's COC # : 05028

Cooler Temp	Samples Received	Date Printed
4°C	05-Apr-06	06-Apr-06

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles				PWS #	Requested Tests						Sample Remarks	
				ORG	SUB	TAT	TPHP_W		VOC_W							
TRC06040531-01A	MW-2	AQ	03/29/06 11:00	3	0	9		GAS-N	BTXE/M_C							
TRC06040531-02A	MW-3	AQ	03/29/06 11:15	3	0	9		GAS-N	BTXE/M_C							
TRC06040531-03A	MW-1	AQ	03/29/06 11:30	3	0	9		GAS-N	BTXE/M_C							

Comments: Security seals intact. Frozen ice. Global ID# 990. Site @ Quik Stop #56 Oakland, CA. Total Xylenes. NV limits for TPH/P. Amended 4/6 12:25 changed from Irvine office to Concord office. TP :

Signature	Print Name	Company	Date/Time
<i>Tasha Pascal</i>	Tasha Pascal	Alpha Analytical, Inc.	4/6/06 12:30

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  NV  WA   
 ID  OR  OTHER  Page # 1 of 1

Analyses Required

05026

Client Name		P.O. #		Job #		Analyses Required						Required QC Level?					
TRC				41023610-TA05								I II III IV					
Address		EMail Address		Phone #		Fax #								EDD/EDF? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
1590 Solano Way, Ste. A		jchidester@resolutions.com		(925) 688-1200		(925) 688-0388								Global ID # <u>990</u>			
City, State, Zip		Report Attention		Total and type of containers		** See below								REMARKS			
Concord, CA 94520		J. Chidester															
Time Sampled	Date Sampled	Matrix* See Key Below	Office Use Only	Sampled by	Lab ID Number	Sample Description	TAT	Field Filtered	TPH-P	BTEX	MTBE						
1100	3/21/06	AQ		J. Chidester	TRC06040531-01	MW-2	STD		X	X	X						
1115	3/21/06	AQ		J. Chidester	-02	MW-3	STD		X	X	X						
1130	3/21/06	AQ		J. Chidester	-03	MW-1	STD		X	X	X						
												Alpha Analytical Sample Receipt					
												Security Seals? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
												Frozen Ice? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
												Temperature <u>4</u> °C					

**ADDITIONAL INSTRUCTIONS:**

Site @ Quik Stop #56 Oakland, CA

Signature	Print Name	Company	Date	Time
<i>James Chidester</i>	James Chidester	TRC	3/4/06	1400
<i>Tasha Rasca</i>	Tasha Rasca	Alpha	4/5/06	3:10
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.