



August 9, 2004

R0123

Project 41-0236

Mr. Don Hwang
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, SECOND QUARTER 2004

Dear Mr. Hwang:

Enclosed is a copy of the *Second Quarter 2004 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,

A handwritten signature in black ink that reads "Jonathan Scheiner". The signature is fluid and cursive, with "Jonathan" on top and "Scheiner" below it.

Jonathan Scheiner
Associate

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



Customer-Focused Solutions

August 9, 2004

Project 41-0236

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

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

RE: QUARTERLY GROUNDWATER MONITORING REPORT, SECOND QUARTER 2004

Dear Mr. Karvelot:

This *Second Quarter 2004 Groundwater Monitoring Report* presents the results of the Second Quarter 2004 fluid level monitoring and groundwater sampling at the above-referenced site. 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 June 25, 2004. Groundwater elevations averaged 127.86 feet above mean sea level (MSL). Groundwater flow direction was to the west at a gradient of 0.06 foot-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 Appendix A.

2.0 GROUNDWATER SAMPLING

On June 25, 2004, 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); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tert-butyl ether (MTBE), using EPA Methods 8015B and 8260B. Refer to Table 1 and Figure 3 for a summary of analytical results. General Field Procedures, Official Laboratory Reports and Chain of Custody Documents are included in the Appendix.

Approximately 55 gallons of purge water was generated during groundwater sampling activities conducted on June 25, 2004. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

Alameda County
AUG 13 2004
Environmental Health
Department of Health Care Services

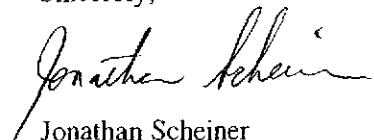
QUARTERLY PROGRESS REPORT, SECOND QUARTER 2004
Quik Stop Market No. 56-3132 Beaumont Avenue, Oakland, California
August 9, 2004

3.0 LIST OF ATTACHMENTS

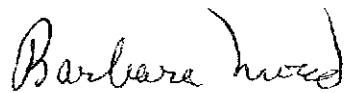
- Figure 1: Vicinity Map
- Figure 2: Groundwater Elevation Contour Map, June 25, 2004
- Figure 3: Dissolved-Phase Hydrocarbon Concentrations, June 25, 2004
- Table 1: Summary of Groundwater Levels and Chemical Analysis
- Appendix A: General Field Procedures, Official Laboratory Reports, and Chain of Custody Records

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

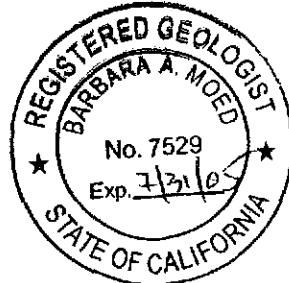
Sincerely,



Jonathan Scheiner
Associate

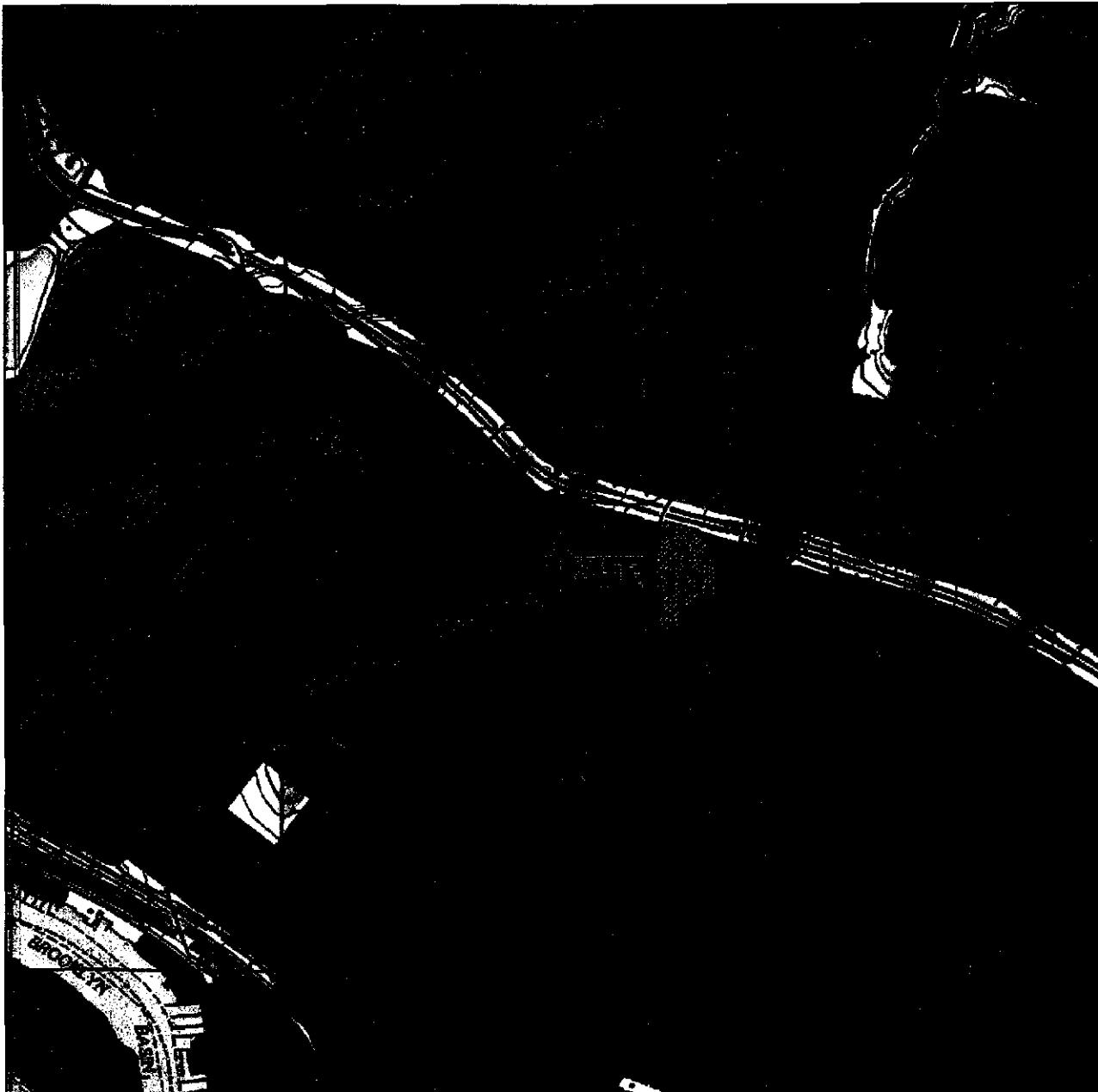


Barbara Moed, R.G.
Senior Project Geologist



cc: Mr. Don Hwang, Alameda County Health Care Services Agency

FIGURES



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



SCALE 1 : 24,000



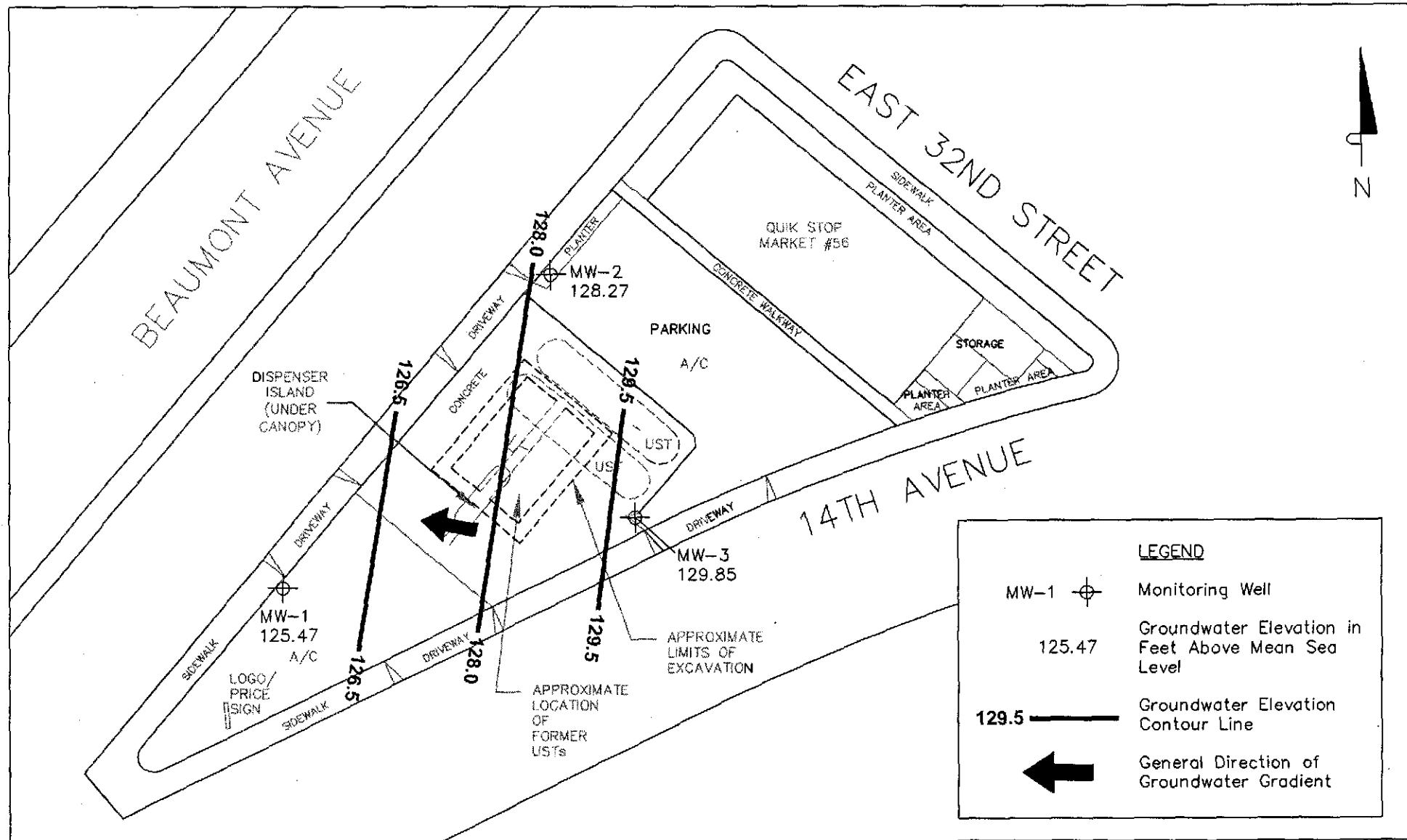
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 1



<u>LEGEND</u>	
MW-1	Monitoring Well
125.47	Groundwater Elevation in Feet Above Mean Sea Level
129.5	Groundwater Elevation Contour Line
	General Direction of Groundwater Gradient

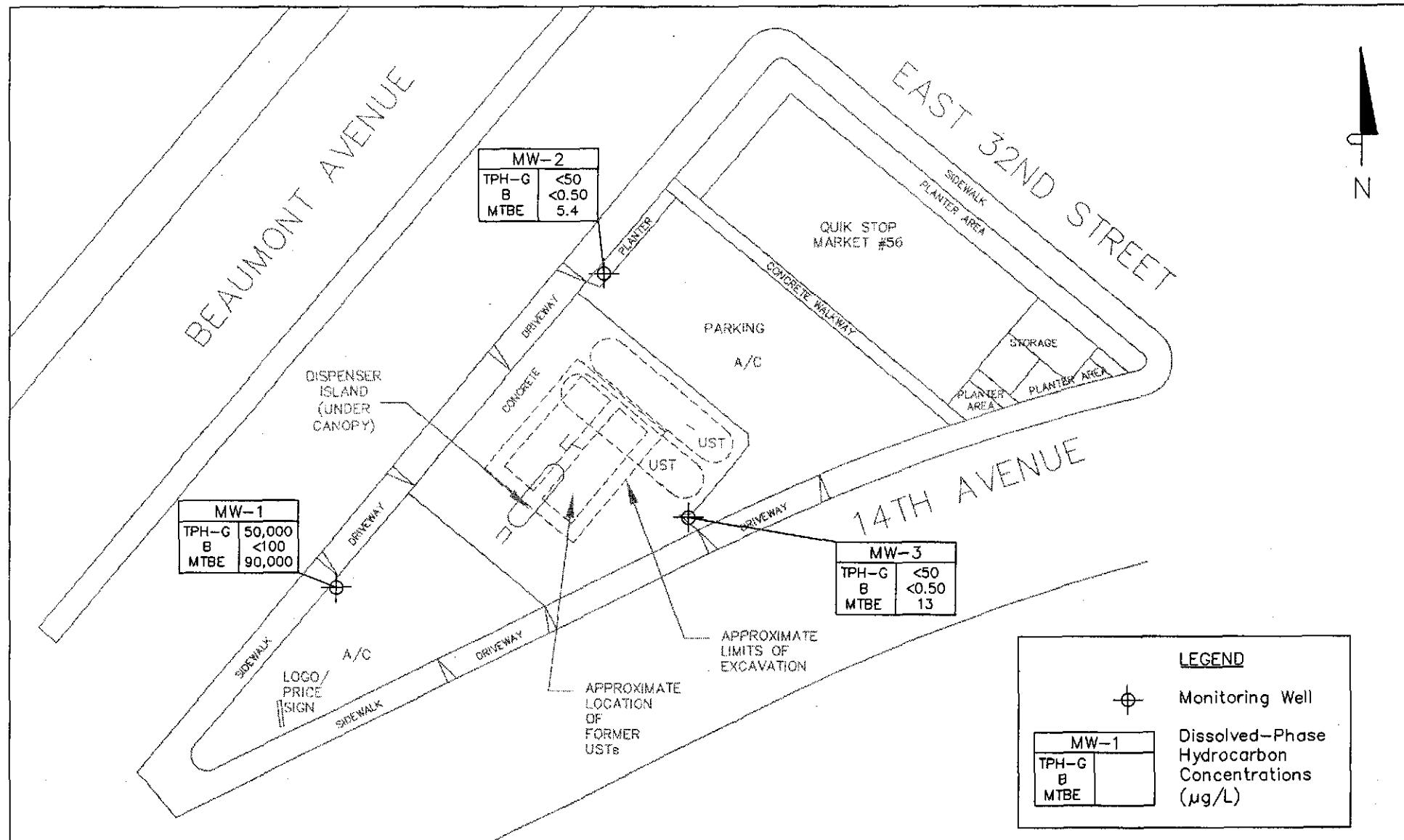


FIGURE 2

NOTES:

Contour lines are interpretive based on fluid level measurements taken on June 25, 2004.
Contour interval = 1.5 feet.

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



LEGEND

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

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS

June 25, 2004

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

APPROXIMATE SCALE (FEET)

0 30 60

NOTES:

Results are based on laboratory analysis of groundwater samples collected on June 25, 2004. $\mu\text{g}/\text{L}$ = micrograms per liter; TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; MTBE = methyl tert butyl ether; < = not detected at or above the reported method detection limit.

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

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 ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	8260 ($\mu\text{g/L}$)	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	10.89	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	07/28/02	134.13	10.20	123.93	18,000	<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-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	<0.50	2.7	—
MW-2	11/27/01	135.16	Well resurveyed to new reference point									
MW-2	02/05/02	135.16	4.96	130.21	<50	<0.50	<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	<0.50	2.8	—
MW-2	07/29/02	135.16	5.46	129.70	<50	<0.50	<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	<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	<0.50	6.6	6.4	—
MW-2	12/24/03	135.16	5.25	129.91	<50	<0.50	<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	<0.50	5.3	—
MW-2	06/25/04	135.16	6.89	128.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	—
MW-3	03/02/00	133.78	6.41	127.37	<50	<0.50	<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	—	

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

APPENDIX A

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.



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) 688-1200
Fax: (925) 688-0388
Date Received 06/30/04

Job#: 41023607-TA01/Quick Stop #56

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

Client ID :	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
MW-2	TPH Purgeable	ND	50 µg/L	06/25/04	07/01/04
	Methyl tert-butyl ether (MTBE)	5.4	0.50 µg/L	06/25/04	07/01/04
Lab ID :	Benzene	ND	0.50 µg/L	06/25/04	07/01/04
TRC04063003-01A	Toluene	ND	0.50 µg/L	06/25/04	07/01/04
	Ethylbenzene	ND	0.50 µg/L	06/25/04	07/01/04
	Xylenes, Total	ND	0.50 µg/L	06/25/04	07/01/04
Client ID :	TPH Purgeable	ND	50 µg/L	06/25/04	07/01/04
MW-3	Methyl tert-butyl ether (MTBE)	13	0.50 µg/L	06/25/04	07/01/04
Lab ID :	Benzene	ND	0.50 µg/L	06/25/04	07/01/04
TRC04063003-02A	Toluene	ND	0.50 µg/L	06/25/04	07/01/04
	Ethylbenzene	ND	0.50 µg/L	06/25/04	07/01/04
	Xylenes, Total	ND	0.50 µg/L	06/25/04	07/01/04
Client ID :	TPH Purgeable	50,000	20,000 µg/L	06/25/04	07/01/04
MW-1	Methyl tert-butyl ether (MTBE)	90,000	100 µg/L	06/25/04	07/01/04
Lab ID :	Benzene	ND	V	100 µg/L	06/25/04
TRC04063003-03A	Toluene	ND	V	100 µg/L	06/25/04
	Ethylbenzene	ND	V	100 µg/L	06/25/04
	Xylenes, Total	ND	V	100 µg/L	06/25/04

Reported in micrograms per liter, per client request.

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) 281-4848 / info@alpha-analytical.com

7/14/04

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 pH Report

Work Order TRC04063003

Project: 41023607-TA01/Quick Stop #56

Alpha's Sample ID	Client's Sample ID	Matrix	pH
04063003-01A	MW-2	Aqueous	2
04063003-02A	MW-3	Aqueous	2
04063003-03A	MW-1	Aqueous	2

7/14/04

Report Date

Billing Information :

DR/ML

CHAIN-OF-CUSTODY RECORD

Page:
1 of 1

CA

WorkOrder : TRC04063003

Report Due By : 5:00 PM On : 14-Jul-04
15-Jul-04

Client:

TRC-Alton Geoscience
1590 Solano Way Suite A

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

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

James Chidester

TEL : (925) 688-1200
FAX : (925) 688-0388

Concord, CA 94520

Job : 41023607-TA01/Quick Stop #56

EDD Required : Yes

Report Attention : James Chidester

PO : Client's COC # : none

Sampled by : client

CC Report :

Cooler Temp : 4 °C 30-Jun-04

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests		Sample Remarks
				ORG	SUB	TAT	PWS #	TPH/P_W	
TRC04063003-01A	MW-2	AQ	06/25/04 07:52	4	0	10		GAS-C	BTXE/M_C
TRC04063003-02A	MW-3	AQ	06/25/04 08:05	4	0	10		GAS-C	BTXE/M_C
TRC04063003-03A	MW-1	AQ	06/25/04 08:25	4	0	10		GAS-C	BTXE/M_C

Comments: Frozen ice. Security seals.

Received by:

Laura Long

Signature

Print Name

Company

Date/Time

Alpha Analytical, Inc.

143064 1210

Laura Long

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

