TRC

AUG 17 2001

August 15, 2001 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 PROGRESS REPORT, THIRD QUARTER 2001

Dear Mr. Hwang:

Enclosed is a copy of the Third Quarter 2001 Quarterly Progress 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,

Tracy L. Walker

Tracy L. Walker, RG
Associate

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

AUG 17 2001

3.0 LIST OF ATTACHMENTS

Figure 1:	Vicinity Map
Figure 2:	Groundwater Elevation Contour Map, July 24, 2001
Figure 3:	Dissolved-Phase Hydrocarbon Concentrations, July 24, 2001
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) 688-2476.

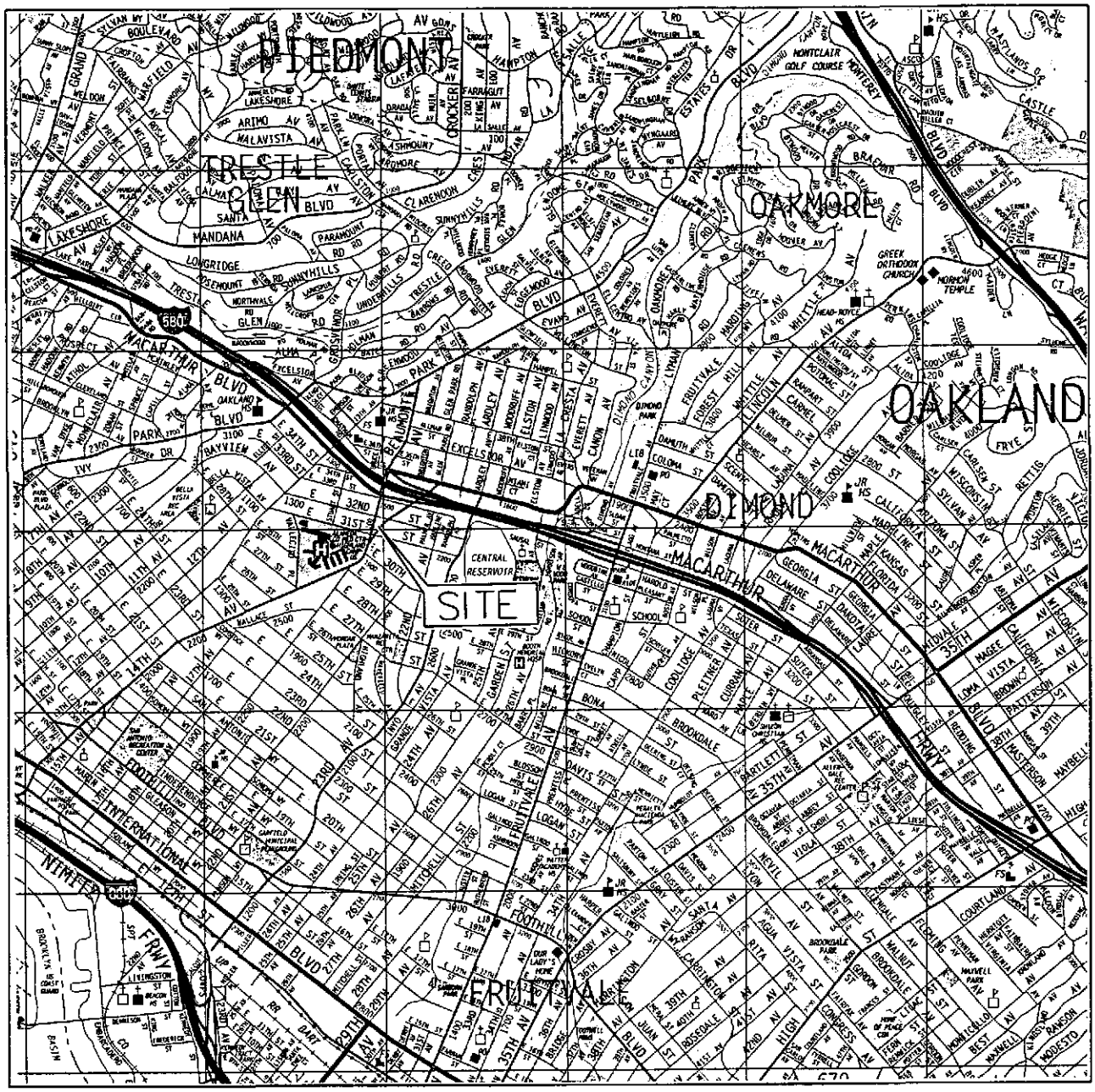
Sincerely,

Tracy L. Walker, RG
Associate

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

The ongoing project services summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the findings and professional opinions presented in this report. The findings are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

FIGURES



SOURCE:

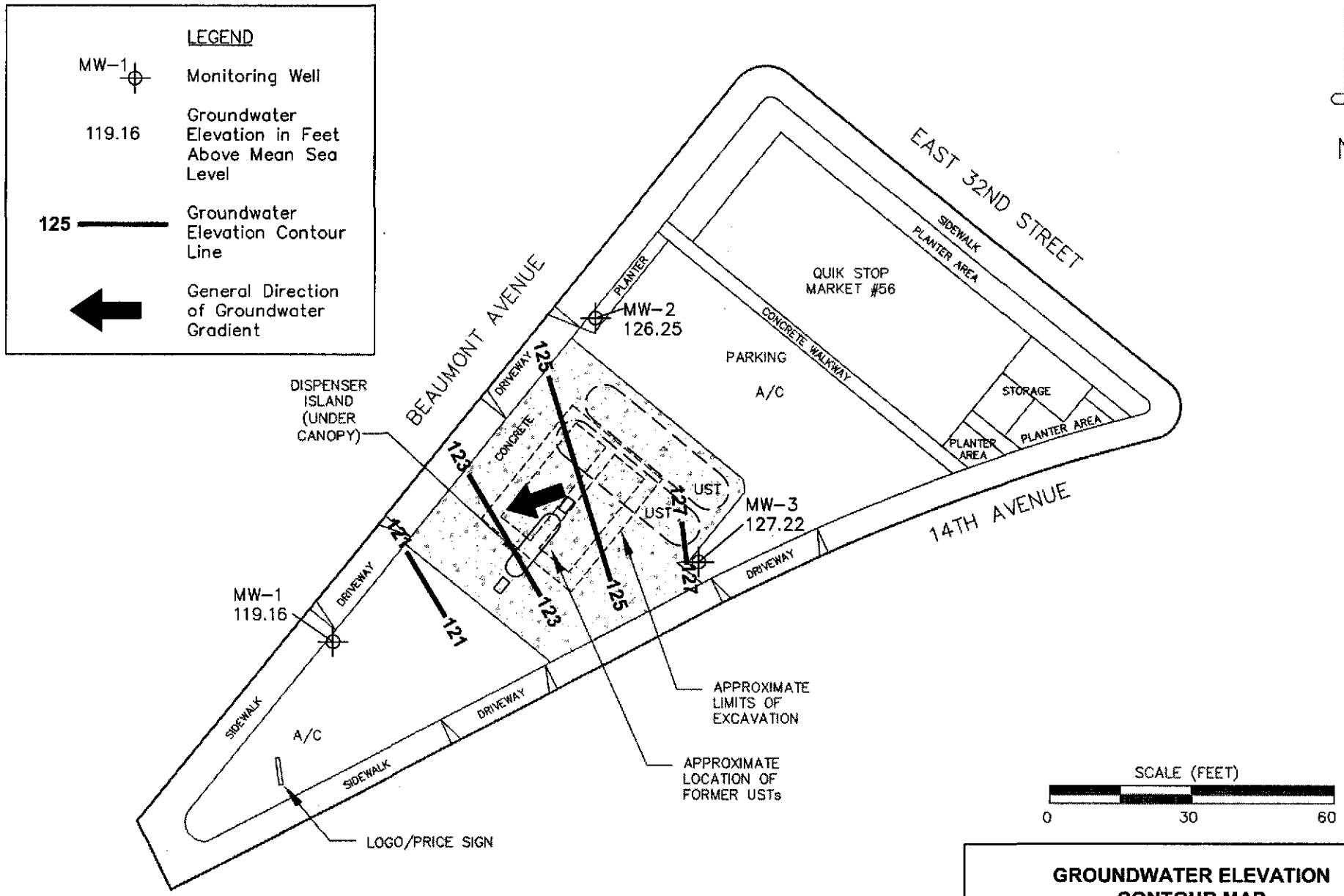
1998 Thomas Guide
San Francisco, Alameda and
Contra Costa Counties

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 1



NOTES:
Contour lines are interpretive based on fluid level measurements taken on July 24, 2001. Contour interval = 2 feet.

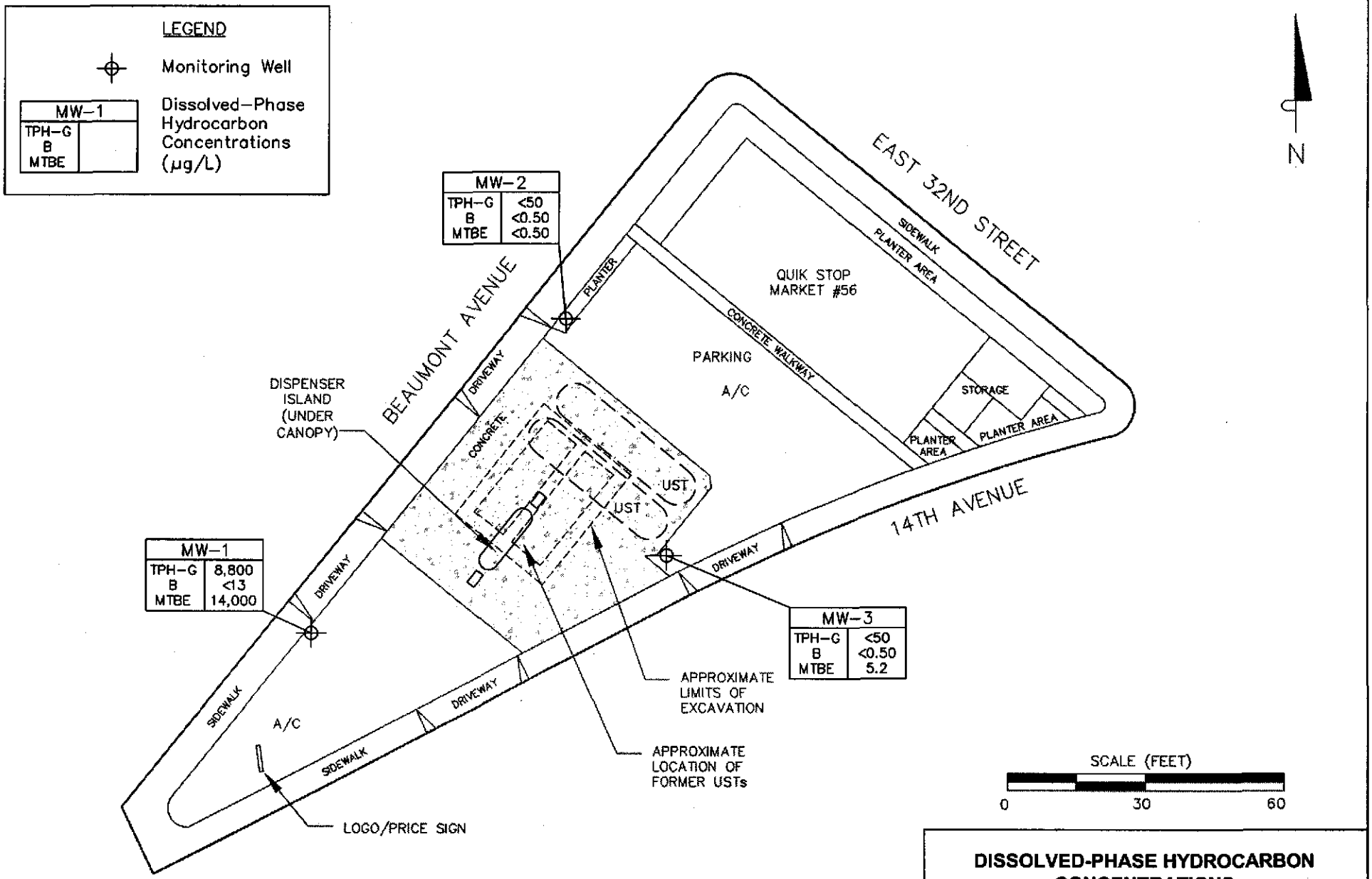
SOURCE: Client-provided drawings and Gerlow, 1998.

GROUNDWATER ELEVATION CONTOUR MAP
July 24, 2001

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 2



NOTES:
Results are based on laboratory analysis of groundwater samples collected on July 24, 2001. 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 stated method detection limit.

SOURCE: Client-provided drawings and Gariow, 1998.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
July 24, 2001

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)	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-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-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

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
MTBE = methyl tert butyl ether
DO = dissolved oxygen
< = not detected at or above the stated detection limit

APPENDIX A

GENERAL FIELD PROCEDURES, 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.: 410236.02 TRC Alton Personnel: S. Kemnitz & M. Trevor

Station No.: Quik Stop #56 Date: 7/24/01

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		6.38				29.70	2.92	2"
MW-3		6.56				31.00	6.67	2"
MW-1		12.42				29.81	2.61	2"

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: QS #56 Project No.: 41023602 Sampled By: M. Trevor S. Kemnitz Date: 7/24/01

Well No. MW-2 18.66 Purge Method: 2" elec
Total Depth (feet) 29.70 Depth to Product (feet): ____
Depth to Water (feet): 6.38 Product Recovered (gallons): ____
Water Column (feet): 23.32 Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 11.04 1 Well Volume (gallons): 3.96

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
1123				1.30	81.0	7.5
				1.25	77.5	7.3
	1128			1.20	75.6	7.0
	Total Purged		12.0	Time Sampled		1155

Comments:
Turbidity=

Well No. MW-3 19.60 Purge Method: 2" elec
Total Depth (feet) 31.06 Depth to Product (feet): ____
Depth to Water (feet): 6.56 Product Recovered (gallons): ____
Water Column (feet): 24.50 Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 11.46 1 Well Volume (gallons): 4.17

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
1137				0.95	76.9	6.9
				0.85	76.2	6.9
	1142			0.78	75.3	6.9
	Total Purged		13.0	Time Sampled		1205

Comments:
Turbidity=

Well No. MW-1 13.91 Purge Method: 2" elec
Total Depth (feet) 29.81 Depth to Product (feet): ____
Depth to Water (feet): 12.42 Product Recovered (gallons): ____
Water Column (feet): 17.39 Casing Diameter (Inches): 2"
80% Recharge Depth (feet): 15.90 1 Well Volume (gallons): 3.0

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
1151				1.46	83.	7.7
				1.44	82	7.5
	1155			1.28	81	7.3
	Total Purged		9.0	Time Sampled		1210

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): ____

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): ____

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

Comments:
Turbidity=

FIELD ACTIVITY REPORT

Project Name Quik Stop #56	Date 7/24/01
Project Number 401023602	Report Number
Project Location Oakland, CA.	Page of

Field Activity Subject:
3rd Quarter M/S

Time	Description of Field Activities and Events	Sketch
1050	Arrived on site	
	All wells monitored for depth to water	
	All wells purged three times well volume, allowed 80% recharge, then sampled.	
	DO readings taken with in line flow through cell	
	One drum with 3.5 gal. left on site. One 55 gal drum already on site	
1250	left site	

Prepared By: _____

Date/Time: _____

Checked By: _____

Date/Time: _____

THIS FIELD REPORT ONLY PROVIDES THE RESULTS OF OBSERVATIONS AND TESTS BY TRC PRESONNEL. THIS REPORT SHOULD NOT BE CONSTRUED AS SUPERVISION, DIRECTION, OR A RECOMMENDATION.

TRC
5052 Commercial Circle
Concord, California 94520
(925) 688-1200 FAX (925) 688-0388

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 Environmental Solutions/Alton Geoscien Job#: 41023602/Quik Stop #56
5052 Commercial Cir. Phone: (925) 688-1200
Concord, CA 94520 Attn: Tracy Walker

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

	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH Purgeable	ND		50 µg/L	07/24/01	07/27/01
MW-2	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	07/24/01	07/27/01
Lab ID :	Benzene	ND		0.50 µg/L	07/24/01	07/27/01
TRC01072565-01A	Toluene	ND		0.50 µg/L	07/24/01	07/27/01
	Ethylbenzene	ND		0.50 µg/L	07/24/01	07/27/01
	Xylenes, Total	ND		0.50 µg/L	07/24/01	07/27/01
Client ID :	TPH Purgeable	ND		50 µg/L	07/24/01	07/27/01
MW-3	Methyl tert-butyl ether (MTBE)	5.2		0.50 µg/L	07/24/01	07/27/01
Lab ID :	Benzene	ND		0.50 µg/L	07/24/01	07/27/01
TRC01072565-02A	Toluene	0.79		0.50 µg/L	07/24/01	07/27/01
	Ethylbenzene	0.73		0.50 µg/L	07/24/01	07/27/01
	Xylenes, Total	0.68		0.50 µg/L	07/24/01	07/27/01
Client ID :	TPH Purgeable	8,800		2,500 µg/L	07/24/01	07/27/01
MW-1	Methyl tert-butyl ether (MTBE)	14,000		13 µg/L	07/24/01	07/27/01
Lab ID :	Benzene	ND	V	13 µg/L	07/24/01	07/27/01
TRC01072565-03A	Toluene	ND	V	13 µg/L	07/24/01	07/27/01
	Ethylbenzene	ND	V	13 µg/L	07/24/01	07/27/01
	Xylenes, Total	ND	V	13 µg/L	07/24/01	07/27/01

Reported in micrograms per liter, per client request.
V = Reporting Limits were increased due to high concentrations of target analytes.
ND = Not Detected

Approved By: Walter Hinchman Date: 8/6/01
Walter Hinchman
Quality Assurance Officer

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: TRC01072565 **Project:** 41023602/Quik Stop #56

Alpha's Sample ID	Client's Sample ID	Matrix	pH
01072565-01A	MW-2	Aqueous	2
01072565-02A	MW-3	Aqueous	2
01072565-03A	MW-1	Aqueous	2

Billing Information :

CHAIN-OF-CUSTODY RECORD

ca 8day

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

WorkOrder : TRC01072565

Report Due By : 5:00 PM On : 07-Aug-01

Client:
TRC Environmental Solutions/Alton Geoscience
5052 Commercial Cir.

Concord, CA 94520

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

EDD Required : No

Sampled by : Client

Job : 41023602/Quik Stop #56

Report Attention : Tracy Walker

PO :

Client's COC # : none

Cooler Temp : 4 °C

25-Jul-01

CC Report :

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests TPH/P_W	VOC_W							Sample Remarks
TRC01072565-01A	MW-2	AQ	07/24/01 11:55	3	0	9		GAS-CAL	BTXE/M_C							
TRC01072565-02A	MW-3	AQ	07/24/01 12:05	3	0	9		GAS-CAL	BTXE/M_C							
TRC01072565-03A	MW-1	AQ	07/24/01 12:10	3	0	9		GAS-CAL	BTXE/M_C							

Comments: Ca sample. Real ice frozen. No security seals present. :

	Signature	Print Name	Company	Date/Time
Received by:	Tracy DeGiovanni	T. DeGiovanni	Alpha Analytical, Inc.	7/25/01 12:26

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

CHAIN OF CUSTODY RECORD

Ship To:
Attn:

Page ___ of ___
Project Name:
Project No.:
Site Location:
Date: ___/___/___

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	Sample Containers: No.	Sample Containers: Type	Sample Containers: Pres.	Analysis	Remarks

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not TRC. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

☐ TRC
21 Technology Drive
Irvine, California 92618
(949) 727-9336

☑ TRC
5052 Commercial Circle
Concord, California 94520
(925) 688-1200

A-Gen/Form (12/8/98/rmm)