TRC

June 19, 2001 Project 41-0236-01

JUN 2 1 2001

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, SECOND QUARTER 2001

Dear Mr. Hwang:

Enclosed is a copy of the Second 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.

5052 Commercial Circle • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

Customer-Focused Solutions

TRC

June 19, 2001 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 PROGRESS REPORT, SECOND QUARTER 2001

Dear Mr. Karvelot:

This Second Quarter 2001 Progress Report presents the results of 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 three monitoring wells on April 25, 2001. Groundwater elevations averaged 124.59 feet above mean sea level (MSL). Groundwater flow direction was to the southwest at a gradient of 0.103 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 April 25, 2001, groundwater samples were collected from three wells. 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 32 gallons of purge water was generated during groundwater sampling activities conducted on April 25, 2001. The purge water was stored onsite in Department of Transportation-approved 55-gallon drums pending disposal.

3.0 LIST OF ATTACHMENTS

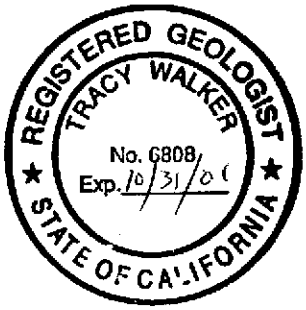
Figure 1: Vicinity Map
Figure 2: Groundwater Elevation Contour Map, April 25, 2001
Figure 3: Dissolved-Phase Hydrocarbon Concentrations, April 25, 2001
Table 1: Summary of Groundwater Levels and Chemical Analysis
Appendix A: General Field Procedures, Official Laboratory Reports, and Chain of Custody Records

If you have any questions regarding this report, please call me at (925) 688-2476.

Sincerely,

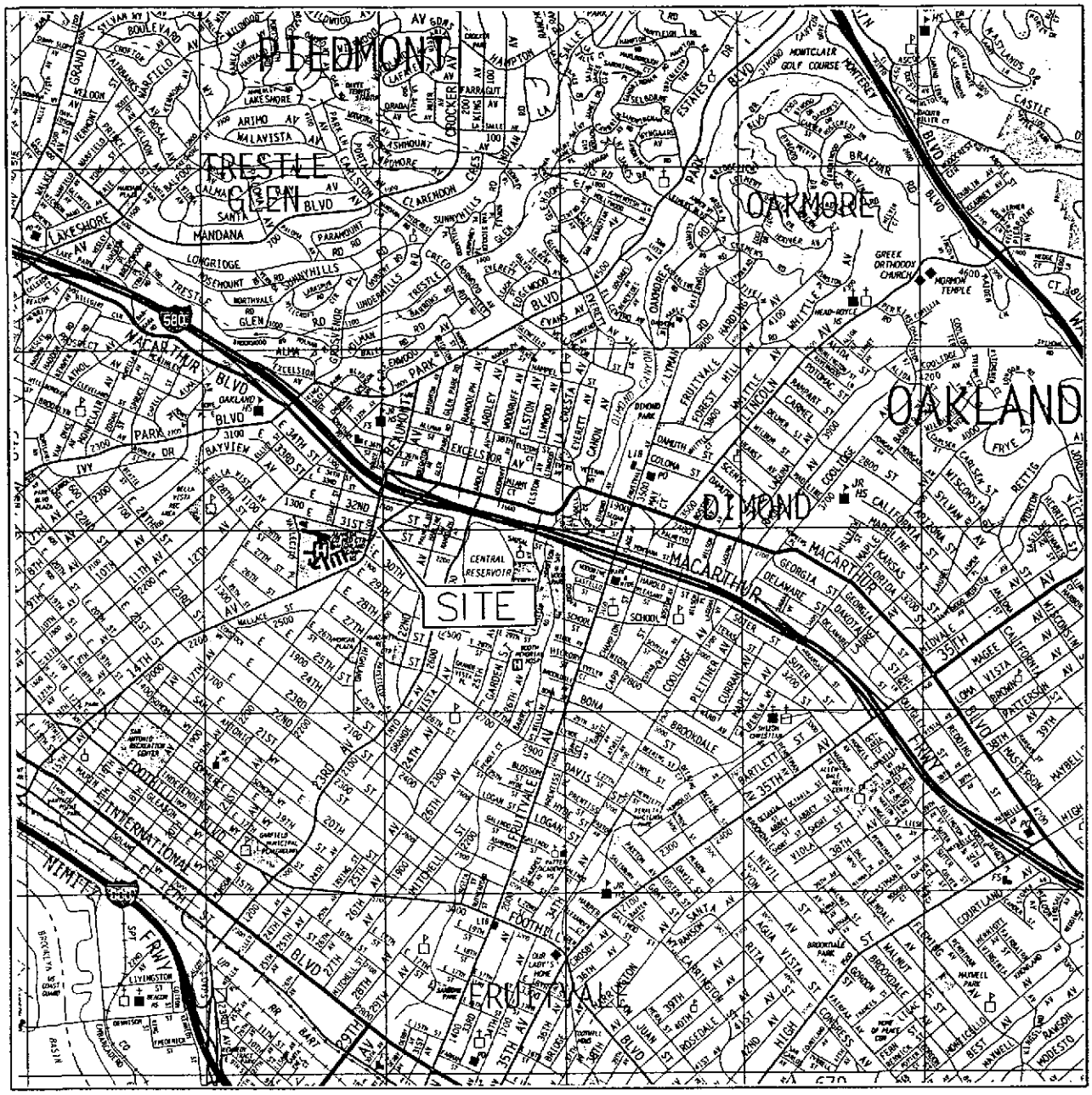
Tracy L. Walker

Tracy L. Walker, RG
Associate



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

FIGURES



SOURCE:

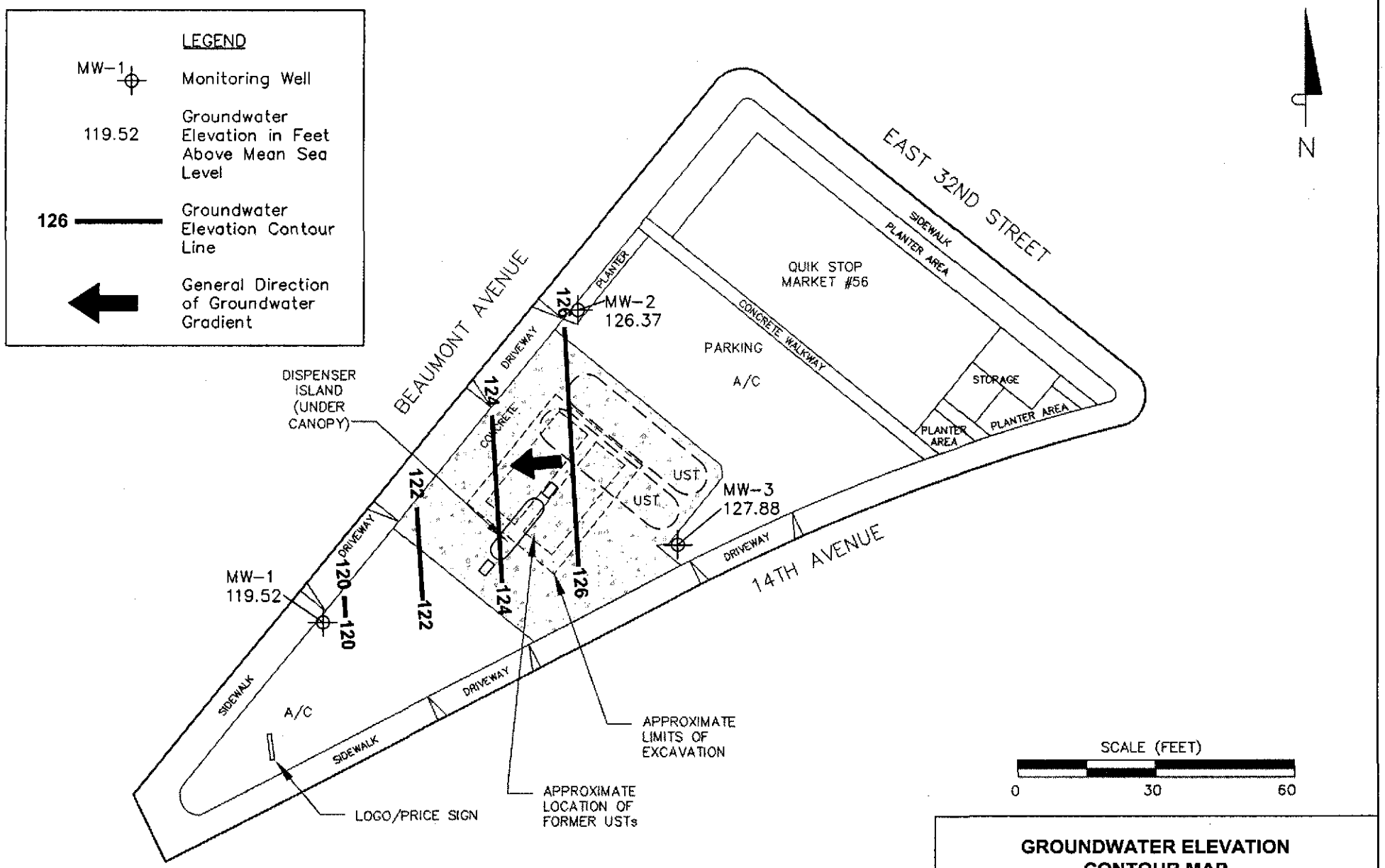
1998 Thomas Guide
San Francisco, Alameda and
Contra Costa Counties

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 1



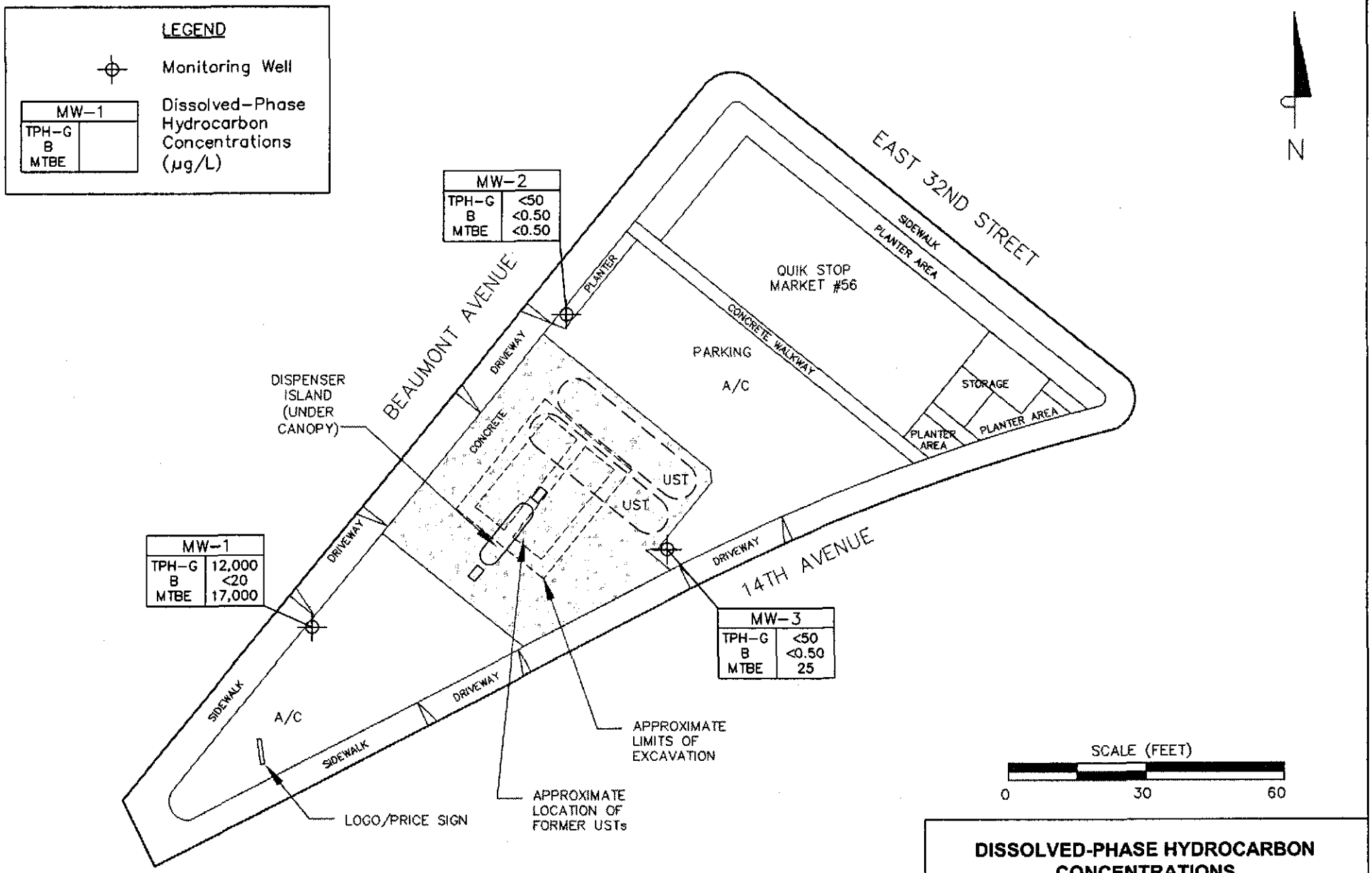
NOTES:
Contour lines are interpretive based on fluid level measurements taken on April 25, 2001. Contour interval = 2 feet.

SOURCE: Client-provided drawings and Gorlow, 1996.

GROUNDWATER ELEVATION CONTOUR MAP
April 25, 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 April 25, 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 Gorlow, 1998.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
April 25, 2001

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-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-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

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.

FIELD ACTIVITY REPORT

Project Name Quick Stop #56	Date 04/25/01
Project Number 41-0236-01	Report Number
Project Location Oakland	Page of
Field Activity Subject: 2nd Qt MIS	

Time	Description of Field Activities and Events	Sketch
8:30	Arrived on site	
	Monitored all wells for	
	D.T.W & D.O.	
	Purged 3x well volume,	
	Allowed 80% recharge,	
	and sampled all wells.	
11:00	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

TRC/Alton Geoscience, Northern California Operations

FLUID MEASUREMENT FIELD FORM

Project No.: 41-0236-01
Station No.: Quick Stop #56

Alton Personnel: C. Braun
Date: 04/25/01

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-1		12.06				29.81	0.39	
MW-2		6.26				29.70	0.76	
MW-3		5.90				31.06	0.56	

7/19/99

g:\general\forms\fluidfrm.xls

TRC/Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 41-0236-01 Sampled By: C. Brown Date: 04/24/01

Well No. MW-1

Total Depth (feet) 29.81
Depth to Water (feet): 12.06
Water Column (feet): 17.75
80% Recharge Depth (feet): 15.61
Purge Method: 2" sub
Depth to Product (feet): ______
Product Recovered (gallons): ___
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2.84

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
9:14				0.90	67.2	7.20
	9:16					
	Total Purged		9.0	Time Sampled		9:31

Comments:
Turbidity=

Well No. MW-2

Total Depth (feet) 29.70
Depth to Water (feet): 6.26
Water Column (feet): 23.44
80% Recharge Depth (feet): 10.95
Purge Method: 2" sub
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.75

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
8:56				2.35	66.6	7.45
				1.30	67.2	7.26
	8:59			1.31	67.3	7.20
	Total Purged		11.0	Time Sampled		9:11

Comments:
Turbidity=

Well No. MW-3

Total Depth (feet) 31.06
Depth to Water (feet): 5.90
Water Column (feet): 25.16
80% Recharge Depth (feet): 10.93
Purge Method: 2" sub
Depth to Product (feet): ______
Product Recovered (gallons): ___
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4.02

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
9:43				0.69	70.8	7.19
				0.88	70.0	7.00
	9:46			0.88	70.1	7.00
	Total Purged		12.0	Time Sampled		10:11

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 Environmental Solutions/Alton Geoscien
5052 Commercial Cir.
Concord, CA 94520

Job#: Quick Stop 56/41-1236-01
Phone: (925) 688-1200
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	12,000		5,000 µg/L	04/25/01	04/30/01
MW-1	Methyl tert-butyl ether (MTBE)	17,000		20 µg/L	04/25/01	04/30/01
Lab ID :	Benzene	ND	V	20 µg/L	04/25/01	04/30/01
TRC01042793-01A	Toluene	ND	V	20 µg/L	04/25/01	04/30/01
	Ethylbenzene	ND	V	20 µg/L	04/25/01	04/30/01
	Xylenes, Total	ND	V	20 µg/L	04/25/01	04/30/01
Client ID :	TPH Purgeable	ND		50 µg/L	04/25/01	04/30/01
MW-2	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	04/25/01	04/30/01
Lab ID :	Benzene	ND		0.50 µg/L	04/25/01	04/30/01
TRC01042793-02A	Toluene	ND		0.50 µg/L	04/25/01	04/30/01
	Ethylbenzene	ND		0.50 µg/L	04/25/01	04/30/01
	Xylenes, Total	ND		0.50 µg/L	04/25/01	04/30/01
Client ID :	TPH Purgeable	ND		50 µg/L	04/25/01	04/30/01
MW-3	Methyl tert-butyl ether (MTBE)	25		0.50 µg/L	04/25/01	04/30/01
Lab ID :	Benzene	ND		0.50 µg/L	04/25/01	04/30/01
TRC01042793-03A	Toluene	ND		0.50 µg/L	04/25/01	04/30/01
	Ethylbenzene	ND		0.50 µg/L	04/25/01	04/30/01
	Xylenes, Total	ND		0.50 µg/L	04/25/01	04/30/01

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: R Scholl Date: 5/10/01

Roger L. Scholl, Ph.D.
Laboratory Director

Las Vegas, NV • (702) 498-8312/ Sacramento, CA • (916) 366-9089/ Wichita, KS • (316) 722-5890
info@alpha-analytical.com

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: TRC01042793 **Project:** Quick Stop 56/41-1236-01

Alpha's Sample ID	Client's Sample ID	Matrix	pH
01042793-01A	MW-1	Aqueous	2
01042793-02A	MW-2	Aqueous	2
01042793-03A	MW-3	Aqueous	2

Las Vegas, NV • (702) 498-3312 / Sacramento, CA • (916) 366-9089 / Wichita, KS • (316) 722-5890
info@alpha-analytical.com

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA 10day

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

WorkOrder : TRC01042793

Report Due By : 5:00 PM On : 11-May-01

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

Concord, CA 94520

Company Phone/Fax		Secondary Phone/Fax	
TEL :	(925) 688-1200	TEL :	(925) 688-1200
FAX :	(925) 688-0388	FAX :	(925) 688-0388

Job : Quick Stop 56/41-1236-01

EDD Required : No

Sampled by : Client

Report Attention : Tracy Walker

PO :

Client's COC # : none

Cooler Temp : 4 °C

27-Apr-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
TRC01042793-01A	MW-1	AQ	04/25/01 13:30	3	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE					
TRC01042793-02A	MW-2	AQ	04/25/01 14:11	3	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE					
TRC01042793-03A	MW-3	AQ	04/25/01 15:11	3	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE					

Comments: CA samples. Real ice frozen, security seal intact. :

	Signature	Print Name	Company	Date/Time
Received by:	Amber Williams	A. Williams	Alpha Analytical, Inc.	4/27/01 15:30

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

CHAIN OF CUSTODY RECORD

Ship To: Alpha Analytical
Attn: Sparks NV

Page 1 of 1
Project Name: Quick Stop 56
Project No.: 41-1236-01
Site Location: 3132 Beaumont, Ca
Date: 04/25/01

01042793

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TPH-G	BTEX	EPA 8260-MTBE	Remarks
	MW-1		04/25/01	1:30	X				X	40	3	VOA	HCl	X	X	X	Results to -01
	MW-2		↓	2:11	X				X	40	3	VOA	HCl	X	X	X	Tracy Walker -02
	MW-3		↓	3:11	X				X	40	3	VOA	HCl	X	X	X	-03

Total Number of Samples Shipped: 9 Shipper's Signature: [signature]

	Signature	Company	Date	Time
Relinquished by:	[signature]	TRC	04/26/01	15:30
Received by:	[signature]	ALPHA	4/26/01	15:30
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/mm)