

MAR 07 2002

March 5, 2002

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, FIRST QUARTER 2002

Dear Mr. Hwang:

Enclosed is a copy of the First Quarter 2002 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, RG
Associate

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



Customer-Focused Solutions

March 5, 2002

Project 41-0236

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

MAR 07 2002

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

RE: QUARTERLY PROGRESS REPORT, FIRST QUARTER 2002

Dear Mr. Karvelot:

This First Quarter 2002 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 February 5, 2002. Groundwater elevations averaged 128.19 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 February 5, 2002, 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 33 gallons of purge water was generated during groundwater sampling activities conducted on February 5, 2002. The purge water was stored onsite in Department of Transportation-approved 55-gallon drums pending disposal.

QUARTERLY PROGRESS REPORT, FIRST QUARTER 2002

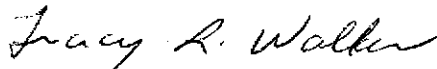
Quik Stop Market No. 56 - 3132 Beaumont Avenue, Oakland, California
March 5, 2002

3.0 LIST OF ATTACHMENTS

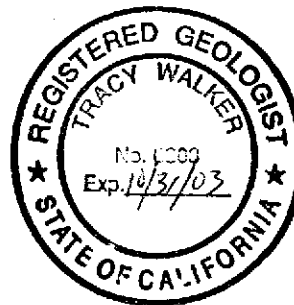
- Figure 1: Vicinity Map
- Figure 2: Groundwater Elevation Contour Map, February 5, 2002
- Figure 3: Dissolved-Phase Hydrocarbon Concentrations, February 5, 2002
- Table 1: Summary of Groundwater Levels and Chemical Analysis
- Appendix A: General Field Procedures, Official Laboratory Reports, and Chain of Custody Records

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

Sincerely,



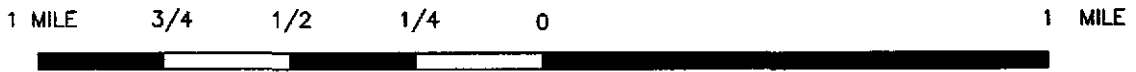
Tracy L. Walker, RG
Associate



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



SCALE 1 : 24,000



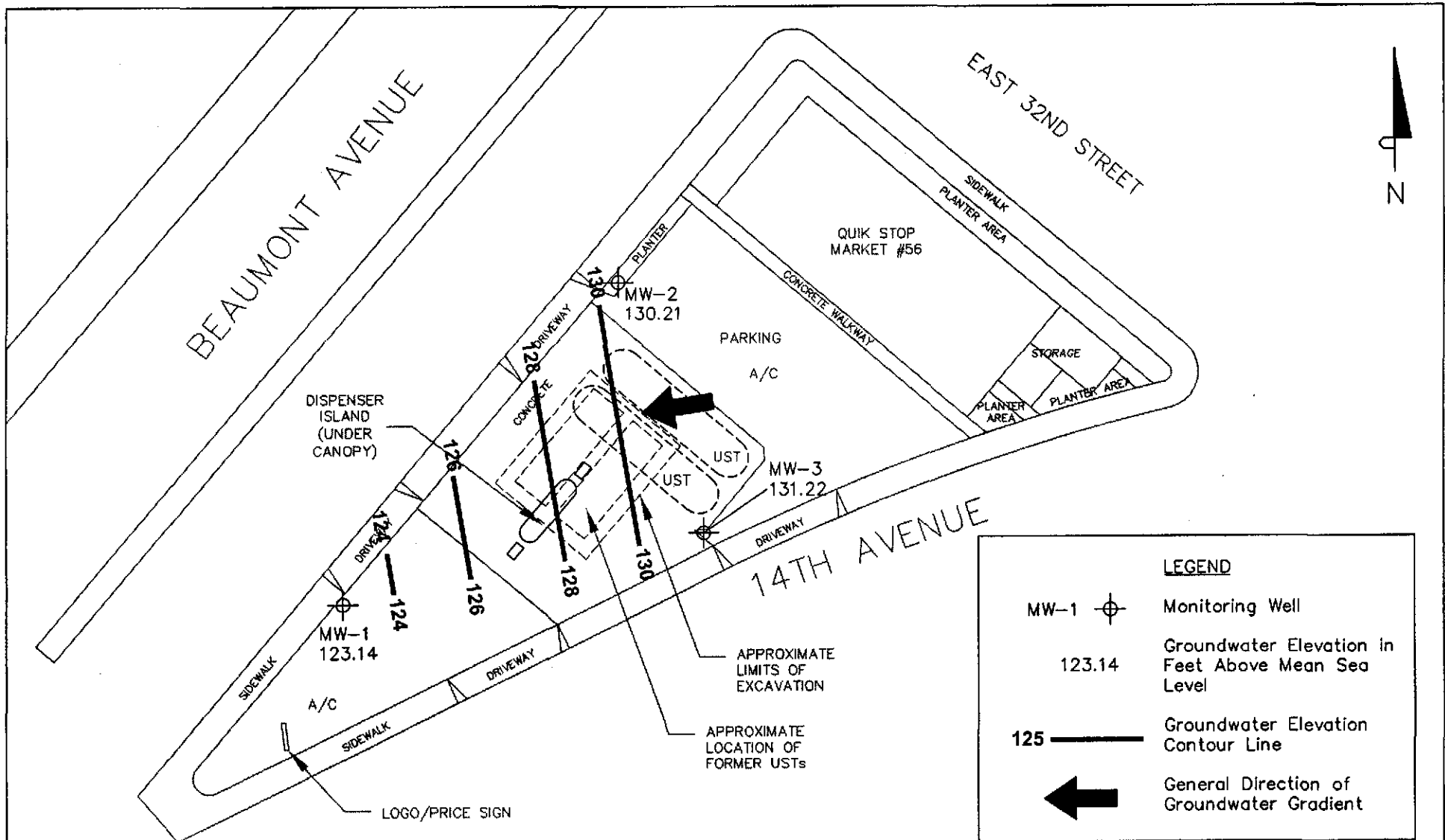
SOURCE:
 United States Geological Survey
 7.5 Minute Topographic Maps:
 Oakland East and
 Oakland West Quadrangles

VICINITY MAP

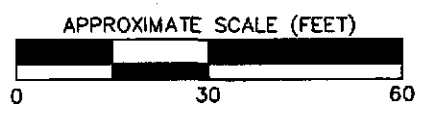
Quik Stop No. 56
 3132 Beaumont Avenue
 Oakland, California

TRC

FIGURE 1



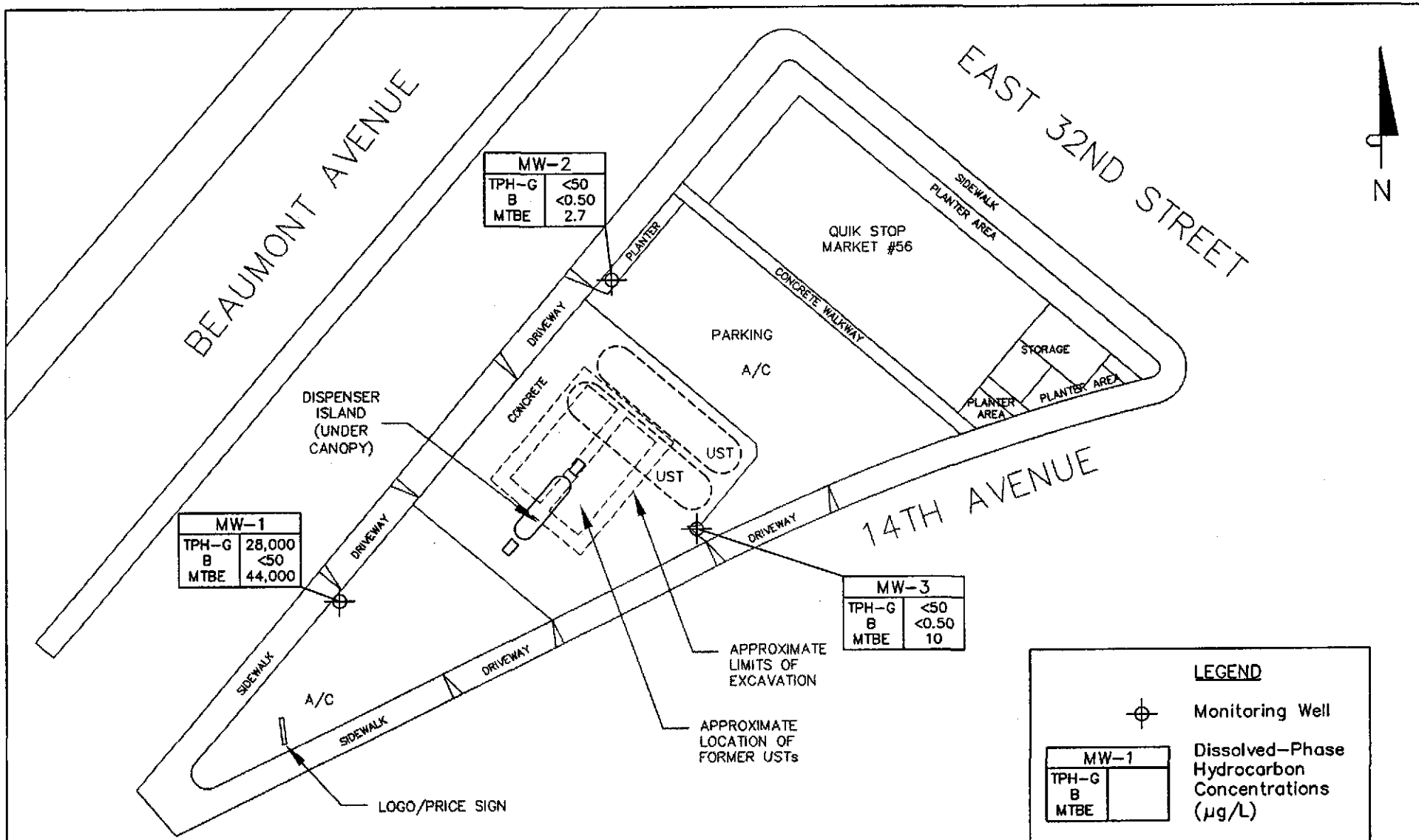
LEGEND	
MW-1	Monitoring Well
123.14	Groundwater Elevation in Feet Above Mean Sea Level
125	Groundwater Elevation Contour Line
	General Direction of Groundwater Gradient



NOTES:
 Contour lines are interpretive based on fluid level measurements taken on February 5, 2002.
 Contour interval = 2 feet.
SOURCE: Client-provided drawings and Garlow, 1998. Site plan updated per 11/27/01 well survey by Doble Thomas Associates.

**GROUNDWATER ELEVATION
 CONTOUR MAP
 February 5, 2002
 Quik Stop No. 56
 3132 Beaumont Avenue
 Oakland, California**

TRC | **FIGURE 2**



MW-2	
TPH-G	<50
B	<0.50
MTBE	2.7

MW-1	
TPH-G	28,000
B	<50
MTBE	44,000

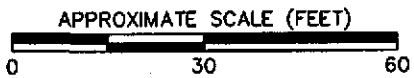
MW-3	
TPH-G	<50
B	<0.50
MTBE	10

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 February 5, 2002. 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 Garlow, 1998. Site plan updated per 11/27/01 well survey by Doble Thomas Associates.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
 February 5, 2002
 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	Depth to	Groundwater		TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE 8260	DO
		Casing Elevation (ft-MSL)		Water Elevation (feet)	Elevation (feet)							
MW-1	03/02/00	131.58	10.33	121.25	670	<1.0	<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	<0.5	18,000	0.34
MW-1	01/23/01	131.58	11.05	120.53	6,400	<10	<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	<20	17,000	0.39
MW-1	07/24/01	131.58	12.42	119.16	8,800	<13	<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	<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	<50	44,000	—
MW-2	03/02/00	132.63	5.88	126.75	<50	<0.50	<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	<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	<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	<0.50	0.76
MW-2	07/24/01	132.63	6.38	126.25	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<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	4.95	130.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	—
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	<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	<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	<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	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	<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	<0.50	10	—

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.



DAILY FIELD REPORT

Job Name: Quick Stop #56	Project Number: 41-0236-02	Date: 2/5/02
Location: 3132 Beaumont Ave., Oakland	Weather: Sunny	Day: Tuesday
Staff: J. Chidester	Reason For Site Visit: 1st. Qtr. M/S	

Check where applicable and provide brief description of condition:

Power Poles: Compound: Vacant Lot:

Lock on Fence: Drums on Site (contents & date):

Visual Inspection of External Well Heads:

Arrived on site @ 11:15 AM.

Monitored all wells for D.T.W.

Purged all wells three times well volume, allowed 80% recharge, then sampled.

Left site @ 2:15 PM.

FLUID MEASUREMENT FIELD FORM

Project No.: 41-0236-02

TRC Alton Personnel: J. Chidester

Station No.: Quick Stop #56

Date: 2/5/02

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		4.95				29.92		2"
MW-3		5.13				30.69		2"
MW-1		10.99				30.05		2"

GROUND WATER SAMPLING FIELD NOTES

Site: QuickStop #56 Project No. 41-0236-02 Sampled By: J. Chidester Date 2/5/02

Well No. MW-2 Purge Method: 2" electric Well No. MW-3 Purge Method: 2" electric
 Total Depth (feet) 29.92 Depth to Product (feet): - Total Depth (feet) 30.69 Depth to Product (feet): -
 Depth to Water (feet) 4.95 Product Recovered (gallons): - Depth to Water (feet) 5.13 Product Recovered (gallons): -
 Water Column (feet) 24.97 Casing Diameter (Inches) 2" Water Column (feet) 25.56 Casing Diameter (Inches) 2"
 80% Recharge Depth (feet) 9.74 1 Well Volume (gallons) 3.99 80% Recharge Depth (feet) 10.24 1 Well Volume (gallons) 4.10

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (F. C)	pH
1201				1.37	66.8	6.92
				1.29	66.0	6.68
	1206			1.27	65.6	6.95
Total Purged			12	Time Sampled		1308

Comments:
Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (F. C)	pH
1220				0.98	65.2	7.17
				0.93	64.6	6.91
	1225			0.96	65.1	6.72
Total Purged			12	Time Sampled		1310

Comments:
Turbidity=

Well No. MW-1 Purge Method: 2" electric Well No. _____ Purge Method: _____
 Total Depth (feet) 30.05 Depth to Product (feet): _____ Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet) 10.99 Product Recovered (gallons): _____ Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet) 19.06 Casing Diameter (Inches) 2" Water Column (feet): _____ Casing Diameter (Inches) _____
 80% Recharge Depth (feet) 14.80 1 Well Volume (gallons) 3.05 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (F. C)	pH
1235				0.89	64.4	6.96
				0.80	63.9	6.58
	1239			0.91	65.3	6.59
Total Purged			9	Time Sampled		1330

Comments:
Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (F. C)	pH
Total Purged				Time Sampled		

Comments:
Turbidity=

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (F. C)	pH
Total Purged				Time Sampled		

Comments:
Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc- tivity (uS/cm)	Temper- ature (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
5052 Commercial Circle
Concord, CA 94520
Job#: Quick Stop #56/41-0236-02

Attn: Tracy Walker
Phone: (925) 688-1200
Fax: (925) 688-0388

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	02/05/02	02/11/02
MW-2	Methyl tert-butyl ether (MTBE)	2.7	0.50 µg/L	02/05/02	02/11/02
Lab ID :	Benzene	ND	0.50 µg/L	02/05/02	02/11/02
TRC02020702-01A	Toluene	ND	0.50 µg/L	02/05/02	02/11/02
	Ethylbenzene	ND	0.50 µg/L	02/05/02	02/11/02
	Xylenes, Total	ND	0.50 µg/L	02/05/02	02/11/02
Client ID :	TPH Purgeable	ND	50 µg/L	02/05/02	02/11/02
MW-3	Methyl tert-butyl ether (MTBE)	10	0.50 µg/L	02/05/02	02/11/02
Lab ID :	Benzene	ND	0.50 µg/L	02/05/02	02/11/02
TRC02020702-02A	Toluene	ND	0.50 µg/L	02/05/02	02/11/02
	Ethylbenzene	ND	0.50 µg/L	02/05/02	02/11/02
	Xylenes, Total	ND	0.50 µg/L	02/05/02	02/11/02
Client ID :	TPH Purgeable	28,000	10,000 µg/L	02/05/02	02/11/02
MW-1	Methyl tert-butyl ether (MTBE)	44,000	50 µg/L	02/05/02	02/11/02
Lab ID :	Benzene	ND V	50 µg/L	02/05/02	02/11/02
TRC02020702-03A	Toluene	ND V	50 µg/L	02/05/02	02/11/02
	Ethylbenzene	ND V	50 µg/L	02/05/02	02/11/02
	Xylenes, Total	ND V	50 µg/L	02/05/02	02/11/02

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) 498-3312 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

2/20/02

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: TRC02020702

Project: Quick Stop #56/41-0236-02

Alpha's Sample ID	Client's Sample ID	Matrix	pH
02020702-01A	MW-2	Aqueous	2
02020702-02A	MW-3	Aqueous	2
02020702-03A	MW-1	Aqueous	2

2/20/02
Report Date

Billing Information :

CHAIN-OF-CUSTODY RECORD

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

WorkOrder : TRC02020702

Report Due By : 5:00 PM On : 21-Feb-02

Client:
 TRC-Alton Geoscience
 5052 Commercial Circle

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

EDD Required : No

Concord, CA 94520

Job : Quick Stop #56/41-0236-02

Sampled by : James C.

Report Attention : Tracy Walker

PO :

Client's COC # : none

Cooler Temp : 4°C

07-Feb-02

CC Report :

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles				Requested Tests						Sample Remarks		
				ORG	SUB	TAT	PWS #	TPH/P_W	VOC_W							
TRC02020702-01A	MW-2	AQ	02/05/02 13:00	4	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE							
TRC02020702-02A	MW-3	AQ	02/05/02 13:10	4	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE							
TRC02020702-03A	MW-1	AQ	02/05/02 13:30	4	0	10		BTXE/GAS/ MTBE	BTXE/GAS/ MTBE							

Comments: Real ice frozen, no security seals. CA/Sac samples. Report analytes in ug/L.:

Received by:	Signature	Print Name	Company	Date/Time
	<i>Heidi Eskew</i>	H. Eskew	Alpha Analytical, Inc.	2/7/02 11:00

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

Ship To: Alpha Analytical
 Attn: _____

Page 1 of 1
 Project Name: Quick Stop # 56
 Project No.: 41-0236-02
 Site Location: 3132 Beaumont Ave., Oakland
 Date: 2/5/02

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type			Comp.	Grab.	Sample Containers				Analysis	Remarks	
					Water	Solid	Other			Vol.	No.	Type	Pres.			
MW-2			2/5/02	1300	X			X	40m	4	V20	HCl	X	X	X	Ship using Fed ex # 1-222-99-317
MW-3			↓	1310	↓			↓	↓	↓	↓	↓	↓	↓		
MW-1			↓	1330	↓			↓	↓	↓	↓	↓	↓	↓		

TPN-G
 BTEX
 MIBE

Total Number of Samples Shipped: 12 Shipper's Signature: _____

Signature	Company	Date	Time
Relinquished by: <u>James Christensen</u>	TRC	2/5/02	1700
Received by: <u>[Signature]</u>	TRC	2/5/02	1700
Relinquished by: <u>[Signature]</u>	TRC	2/6/02	1100
Received by: <u>Melodi D'stew</u>	Alpha	2/7/02	1100
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