TRC

January 10, 2001

Project 41-0236-01

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, FOURTH QUARTER *2000*

Dear Mr. Hwang:

Enclosed is a copy of the Fourth Quarter 2000 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

TRC

January 10, 2001 Project 41-0236-01

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, FOURTH QUARTER 2000

Dear Mr. Karvelot:

This Fourth Quarter 2000 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 November 16, 2000. Groundwater elevations averaged 124.42 feet above mean sea level (MSL). Groundwater flow direction was to the west at a gradient of 0.09 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 November 16, 2000, 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 8020. 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 November 16, 2000. The purge water was stored in Department of Transportation-approved 55-gallon drums pending disposal.

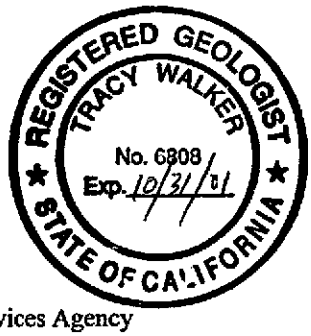
3.0 LIST OF ATTACHMENTS

Figure 1: Vicinity Map
Figure 2: Groundwater Elevation Contour Map, November 16, 2000
Figure 3: Dissolved-Phase Hydrocarbon Concentrations, November 16, 2000
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.

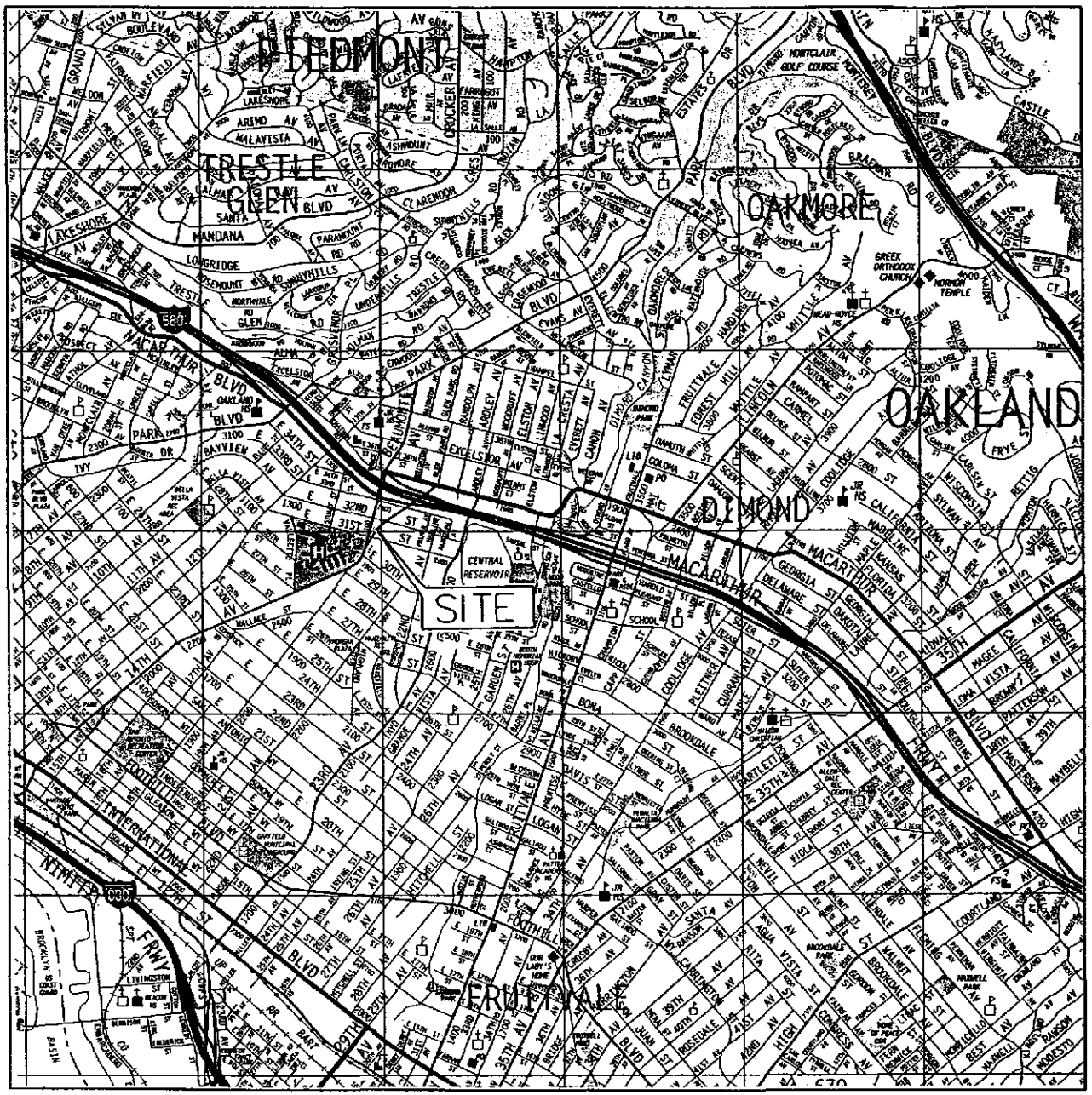
Sincerely,

Tracy L. Walker, RG
Associate



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

FIGURES



SOURCE:

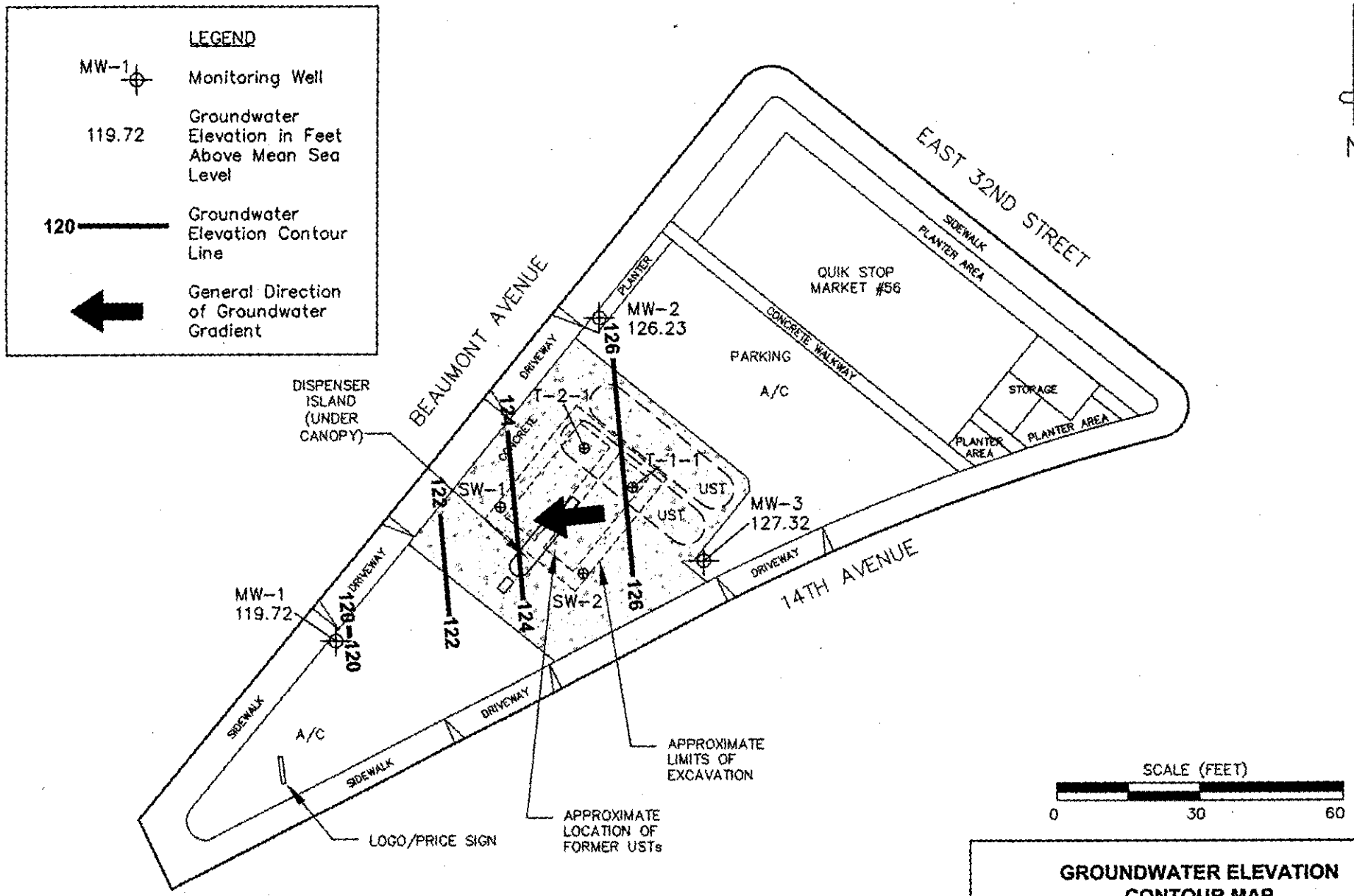
1998 Thomas Guide
San Francisco, Alameda and
Contra Costa Counties

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

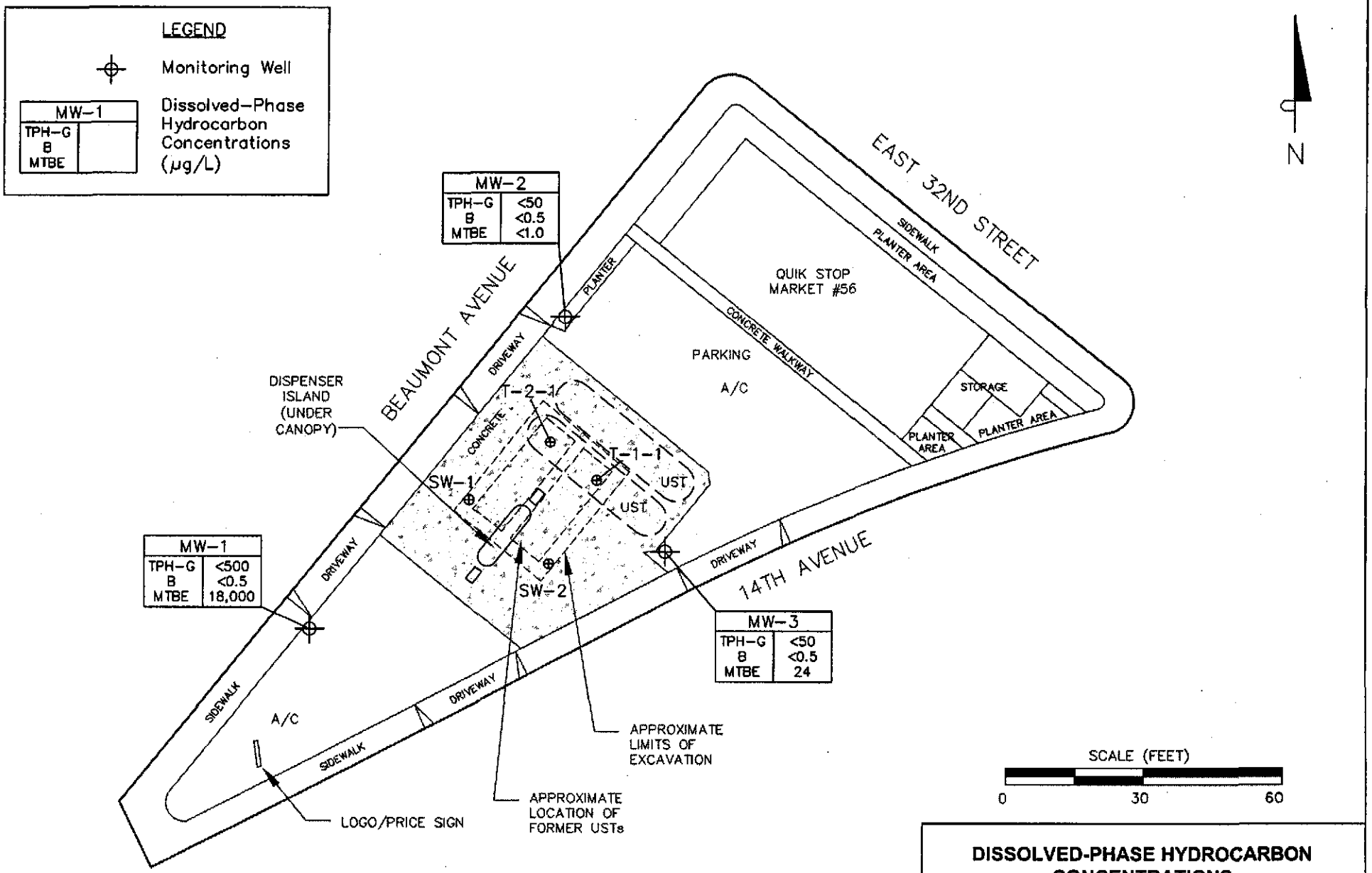
FIGURE 1



...en fluid level
...tour interval

GROUNDWATER ELEVATION CONTOUR MAP
November 16, 2000

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California



NOTES:
Results are based on laboratory analysis of groundwater samples collected on November 16, 2000. 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.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
November 16, 2000

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-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-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

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.: 41 023601

Station No.: Quik Stop 56

TRC Alton Personnel: C Brown

Date: 11/16/00

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
MW1		11.86				29.81	0.34	
MW2		6.40				29.70	1.67	
MW3		6.46				31.06	3.91	

10/12/99

g:\general\forms\fluidfrm.xls

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site:_____ Project No.:_____ Sampled By:_____ Date:_____

Well No. MW1
Total Depth (feet) 29.8
Depth to Water (feet): 11.86
Water Column (feet): 17.94
80% Recharge Depth (feet): 15.44
Purge Method: 2" sub
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2.87

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
1:37				1.44	69.1	6.70
				1.28	68.7	6.63
	1:39			1.21	69.6	6.59
	Total Purged		9.0	Time Sampled		1:48

Comments:
Turbidity=

Well No. MW2
Total Depth (feet) 29.70
Depth to Water (feet): 6.40
Water Column (feet): 23.3
80% Recharge Depth (feet): 11.06
Purge Method: 2" sub
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.73

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
2:00				1.39	71.8	6.59
				1.35	72.1	6.58
	2:02			1.34	72.3	6.58
	Total Purged		11.0	Time Sampled		2:10

Comments:
Turbidity=

Well No. MW3
Total Depth (feet) 31.06
Depth to Water (feet): 6.46
Water Column (feet): 24.6
80% Recharge Depth (feet): 11.38
Purge Method: 2" sub
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.94

Time Start	Time Stop	Depth To Water (feet)	Volume Purged gallons	Conductivity (uS/cm)	Temperature (F, C)	pH
2:56				1.14	63.0	6.86
				0.93	64.6	6.82
	2:59			0.76	65.7	6.74
	Total Purged		12.0	Time Sampled		3:14

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=

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

TRC 5052 Commercial Circle Concord, CA 94520	Client Project ID: #41-1236-01; Quik Stop	Date Sampled: 11/16/00
		Date Received: 11/16/00
	Client Contact: Tracy Walker	Date Extracted: 11/16/00
	Client P.O:	Date Analyzed: 11/16/00

11/23/00

Dear Tracy:

Enclosed are:

1). the results of 3 samples from your **#41-1236-01; Quik Stop** project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

TRC 5052 Commercial Circle Concord, CA 94520	Client Project ID: #41-1236-01; Quik Stop	Date Sampled: 11/16/00
		Date Received: 11/16/00
	Client Contact: Tracy Walker	Date Extracted: 11/17-11/27/00
	Client P.O:	Date Analyzed: 11/17-11/27/00

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
53547	MW-1	W	ND<500	---	ND	ND	ND	ND	107
53548	MW-2	W	ND	---	ND	ND	ND	ND	105
53549	MW-3	W	ND	---	ND	ND	ND	ND	104
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

cluttered chromatogram; sample peak coelutes with surrogate peak

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

TRC 5052 Commercial Circle Concord, CA 94520	Client Project ID: #41-1236-01; Quik Stop	Date Sampled: 11/16/00
		Date Received: 11/16/00
	Client Contact: Tracy Walker	Date Extracted: 11/17-11/21/00
	Client P.O:	Date Analyzed: 11/17-11/21/00

Methyl tert-Butyl Ether *

EPA method 8260 modified

Lab ID	Client ID	Matrix	MTBE*	% Recovery Surrogate
53547	MW-1	W	18,000	100
53548	MW-2	W	ND	118
53549	MW-3	W	24	118
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	1.0 ug/L	
		S	5.0 ug/kg	

* water samples are reported in ug/L, soil and sludge samples in ug/kg, wipe samples in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L

h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC REPORT

Date: 11/17/00 Matrix: Water

Extraction: N/A

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 51008				Instrument: GC-3			
Surrogate1	0.000	98.0	113.0	100.00	98	113	14.2
Xylenes	0.000	293.0	349.0	300.00	98	116	17.4
Ethyl Benzene	0.000	95.0	115.0	100.00	95	115	19.0
Toluene	0.000	100.0	110.0	100.00	100	110	9.5
Benzene	0.000	98.0	102.0	100.00	98	102	4.0
MTBE	0.000	95.0	84.0	100.00	95	84	12.3
GAS	0.000	860.1	840.6	1000.00	86	84	2.3
SampleID: 111700				Instrument: GC-2 A			
Surrogate1	0.000	100.0	106.0	100.00	100	106	5.8
TPH (diesel)	0.000	279.0	298.0	300.00	93	99	6.6

$$\%\ \text{Recovery} = \frac{(MS - Sample)}{AmountSpiked} \cdot 100$$

$$\text{RPD} = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

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http://www.mccampbell.com E-mail: main@mccampbell.com

QC REPORT

VOCs (EPA 8240/8260)

Date: 11/16/00-11/17/00 Matrix: Water

Extraction: TTLC

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 111400				Instrument: GC-10			
Surrogate	0.000	103.0	103.0	100.00	103	103	0.0
tert-Amyl Methyl Ether	0.000	141.0	137.0	100.00	141	137	2.9
Methyl tert-Butyl Ether	0.000	139.0	137.0	100.00	139	137	1.4
Ethyl tert-Butyl Ether	0.000	146.0	143.0	100.00	146	143	2.1
Di-isopropyl Ether	0.000	146.0	145.0	100.00	146	145	0.7

$$\%\,\text{Recovery} = \frac{(MS - Sample)}{AmountSpiked} \cdot 100$$

$$\text{RPD} = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

23140 2trc11

Ship To: McCampbell Analytical
Attn: 110 2nd Ave South #D7
Pacheco, CA

Page 1 of 1
Project Name: Quik Stop
Project No.: 41-1236-01
Site Location: 3132 Beaumont
Date: 11/16/00

CHAIN OF CUSTODY RECORD

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	MW-1	~~11/16/00~~	11/16/00	1:48	X				X		3			X	X	X	53547
+ MW-2	MW-2	↓	↓	2:10	X				X		↓			X	X	X	53548
+ MW-3	MW-3	↓	↓	3:14	X				X		↓			X	X	X	53549

Total Number of Samples Shipped: 9 Shipper's Signature: Chris Brown

	Signature	Company	Date	Time
Relinquished by:	Chris Brown	TRC	11/16/00	7:00 pm
Received by:	Mina A Butler	MAI	11/16/00	7:35 pm
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 Tracy Walker

A-Geo/Form (12/8/98/mm)