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Alameda County
Environmental Health

October 31, 2008

Project No. 158630

Mr. Steven Plunkett
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, THIRD QUARTER 2008

Dear Mr. Plunkett:

Enclosed is a copy of the *Third Quarter 2008 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,

Jonathan Scheiner
Associate

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

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October 31, 2008 Project No. 158630

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, THIRD QUARTER 2008

Dear Mr. Karvelot:

This *Third Quarter 2008 Quarterly Groundwater Monitoring Report* presents the results of the Third Quarter 2008 fluid level monitoring and groundwater sampling at the above-referenced site (Figure 1). 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 September 26, 2008. Groundwater elevations averaged 126.34 feet above mean sea level (MSL). Groundwater flow direction was to the southwest at a gradient of 0.125 feet 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 the Appendix.

2.0 GROUNDWATER SAMPLING

On September 26, 2008, 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) by EPA Method SW8015B and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MTBE) by EPA Method SW8260B, and ethanol by EPA Method SW8260B-DI. Refer to Table 1 and Figure 3 for a summary of analytical results. General Field Procedures, Field Measurement Forms, Official Laboratory Reports, and Chain of Custody Records are included in the Appendix.

Approximately 50 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on September 26, 2008. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

3.0 LIST OF ATTACHMENTS

Figure 1:	Vicinity Map
Figure 2:	Groundwater Elevation Contour Map, September 26, 2008
Figure 3:	Dissolved-Phase Hydrocarbon Concentrations, September 26, 2008
Table 1:	Summary of Groundwater Levels and Chemical Analysis
Appendix:	General Field Procedures, Field Measurement Forms, 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

Amy Wilson, Ph.D., P.E.
Senior Project Engineer

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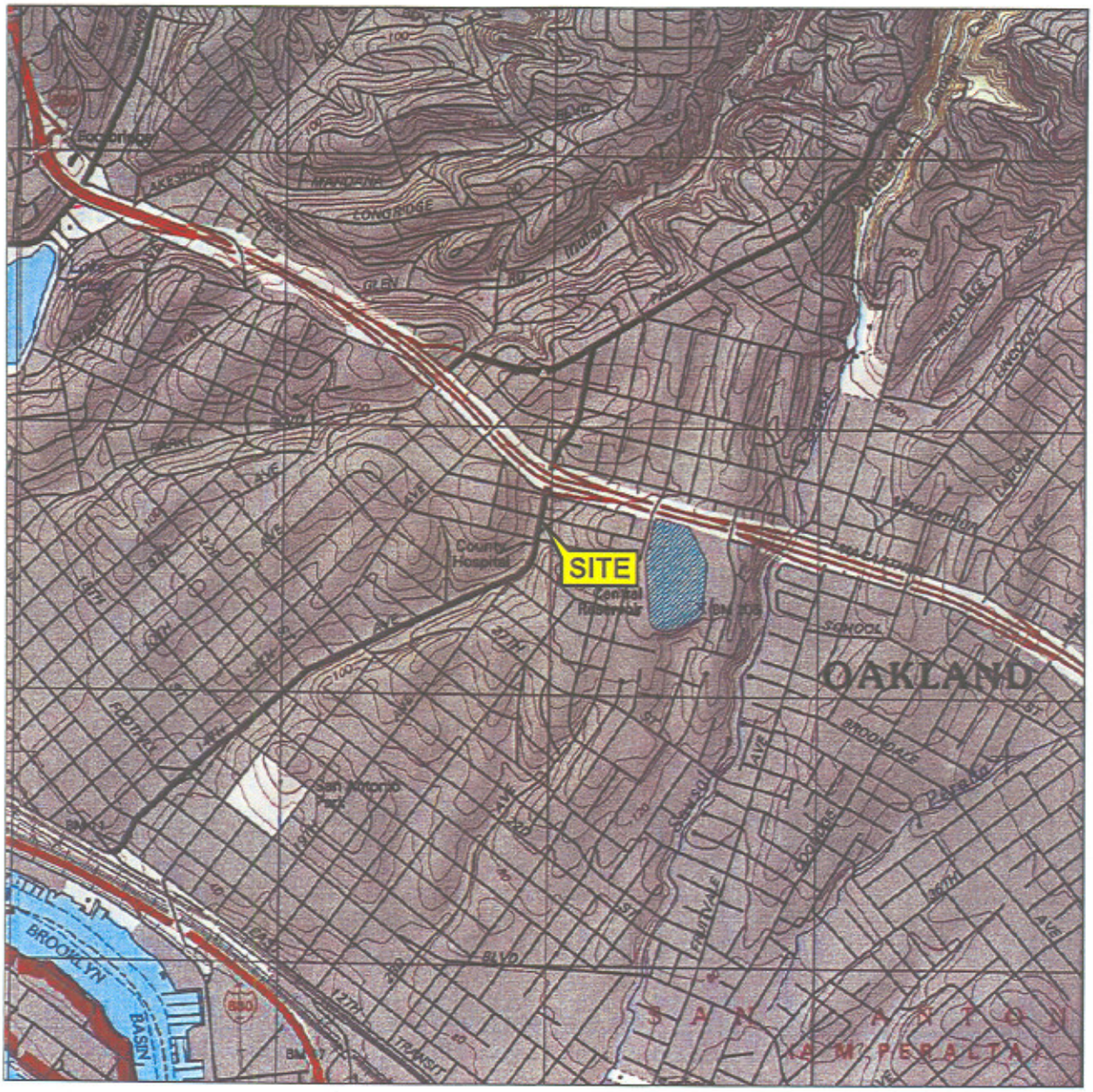
FIGURES



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

SCALE 1 : 24,000

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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

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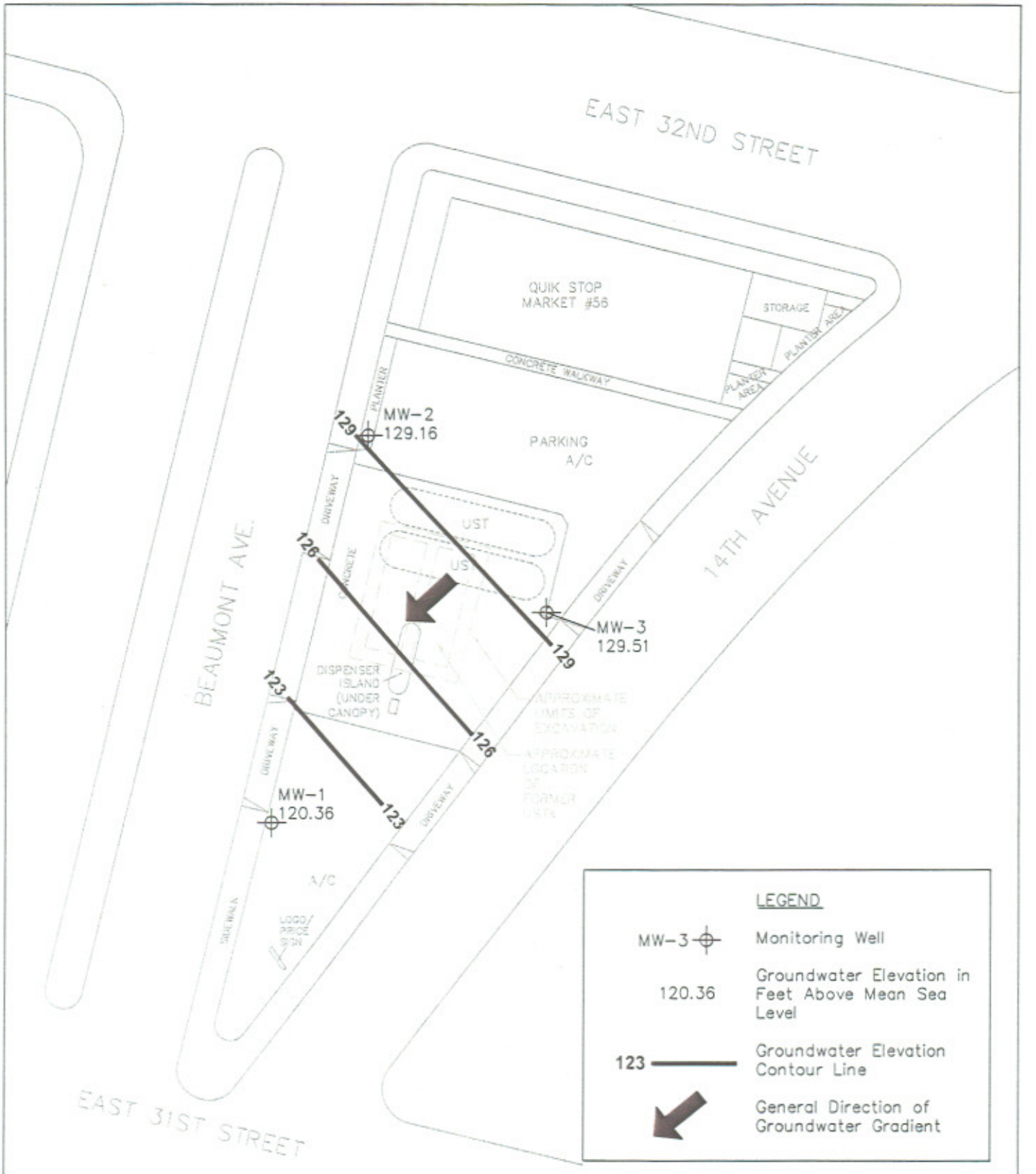
FIGURE 1



SOURCE: Client-provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

GROUNDWATER ELEVATION CONTOUR MAP
September 26, 2008

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

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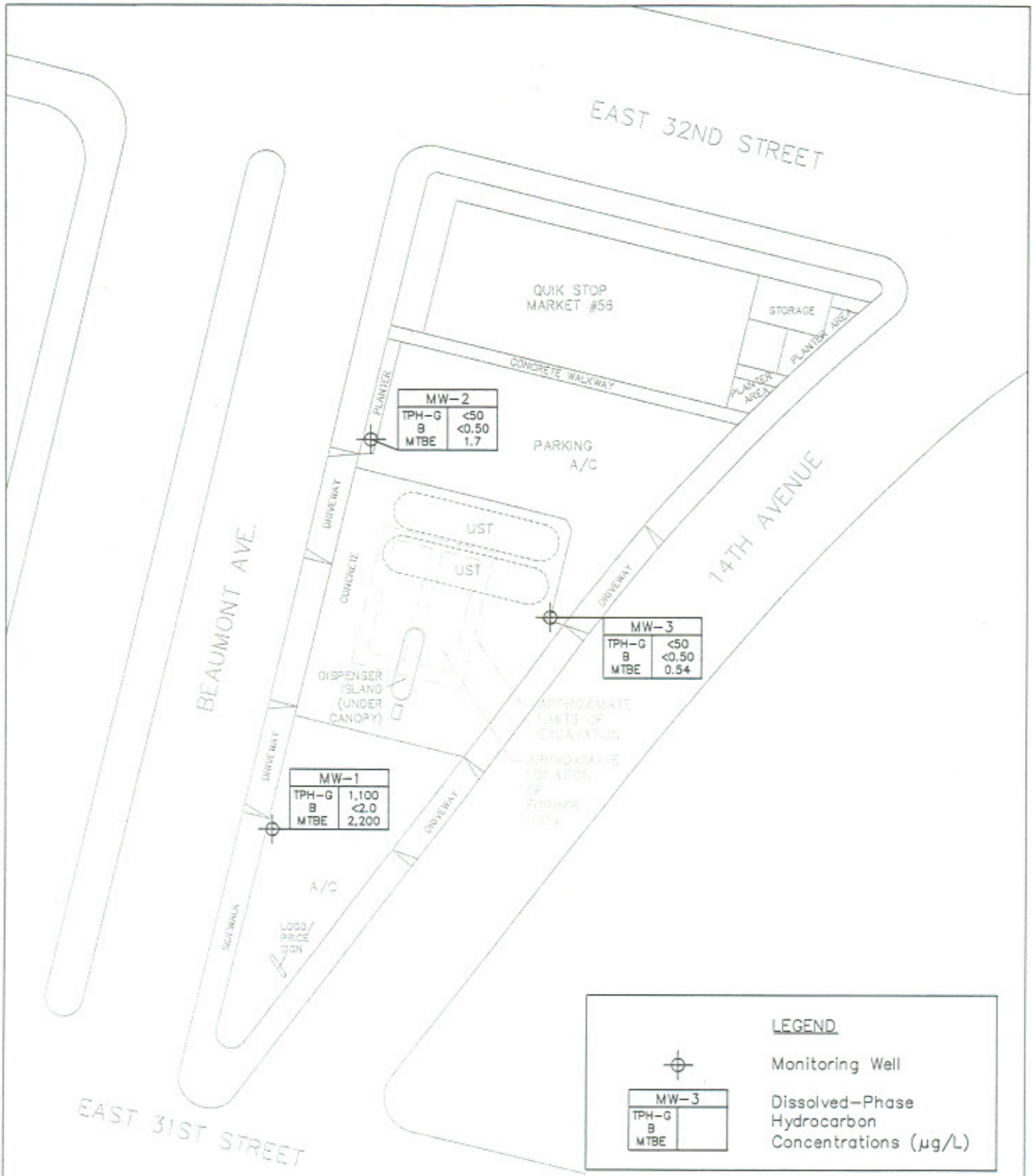
FIGURE 2



SOURCE: Client-provided drawings and Garlow, 1998. Revised in November 2001 per well survey by Doble Thomas Associates and in September 2006 per Navteq aerial photo of site.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
September 26, 2008
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)	Ethanol (mg/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	10.99	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	07/29/02	134.13	10.20	123.93	16,000	<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-1	09/16/04	134.13	9.02	125.11	30,000	<50	<50	<50	<50	75,000	—	—
MW-1	12/17/04	134.13	7.46	126.67	35,000	<50	<50	<50	<50	59,000	—	—
MW-1	03/10/05	134.13	7.17	126.96	14,000	<25	<25	<25	<25	33,000	—	—
MW-1	06/09/05	134.13	8.14	125.99	36,000	<50	<50	<50	<50	60,000	—	—
MW-1	09/13/05	134.13	12.64	121.49	<20,000	<100	<100	<100	<100	32,000	—	—
MW-1	12/06/05	134.13	11.40	122.73	<5,000	<25	<25	<25	<25	5,700	—	—
MW-1	03/29/06	134.13	10.51	123.62	16,000	<25	<25	<25	<25	23,000	—	—
MW-1	06/29/06	134.13	11.28	122.85	8,200	<15	<15	<15	<15	12,000	<5.0	—
MW-1	09/21/06	134.13	11.90	122.23	4,500	<10	<10	<10	<10	7,900	<5.0	—
MW-1	12/08/06	134.13	11.65	122.48	3,900	<10	<10	<10	<10	4,100	<5.0	—
MW-1	03/28/07	134.13	11.22	122.91	5,000	<10	<10	<10	<10	7,700	<5.0	—
MW-1	06/14/07	134.13	12.18	121.95	3,600	<10	<10	<10	<10	4,300	<5.0	—
MW-1	09/06/07	134.13	12.84	121.29	3,400	<10	<10	<10	<10	4,500	<5.0	—
MW-1	12/31/07	134.13	12.52	121.61	2,900	<5.0	<5.0	<5.0	<5.0	3,300	<5.0	—
MW-1	03/18/08	134.13	12.74	121.39	1,800	<2.5	<2.5	<2.5	<2.5	3,400	<5.0	—
MW-1	06/30/08	134.13	13.00	121.13	1,400	<2.5	<2.5	<2.5	<2.5	2,400	<5.0	—
MW-1	09/26/08	134.13	13.77	120.36	1,100	<2.0	<2.0	<2.0	<2.0	2,200	<5.0	—
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

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)	Ethanol (mg/L)	DO (mg/L)
MW-2	11/08/01	132.63	5.97	126.66	<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	2.7	—	—
MW-2	04/29/02	135.16	5.03	130.13	<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	4.1	—	—
MW-2	10/21/02	135.16	5.68	129.48	<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	0.66	6.4	—	—
MW-2	12/24/03	135.16	5.25	129.91	<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	5.3	—	—
MW-2	06/25/04	135.16	6.89	128.27	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—
MW-2	09/16/04	135.16	6.09	129.07	<50	<0.50	<0.50	<0.50	<0.50	5.5	—	—
MW-2	12/17/04	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	5.4	—	—
MW-2	03/10/05	135.16	4.49	130.67	<50	<0.50	<0.50	<0.50	<0.50	3.7	—	—
MW-2	06/09/05	135.16	4.85	130.31	<50	<0.50	<0.50	<0.50	<0.50	4.8	—	—
MW-2	09/13/05	135.16	5.82	129.34	<50	<0.50	<0.50	<0.50	<0.50	5.6	—	—
MW-2	12/06/05	135.16	5.14	130.02	<50	<0.50	<0.50	<0.50	<0.50	4.5	—	—
MW-2	03/29/06	135.16	4.27	130.89	<50	<0.50	<0.50	<0.50	<0.50	4.4	—	—
MW-2	06/29/06	135.16	5.21	129.95	<50	<0.50	<0.50	<0.50	<0.50	5.1	<5.0	—
MW-2	09/21/06	135.16	5.62	129.54	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0	—
MW-2	12/08/06	135.16	5.29	129.87	<50	<0.50	<0.50	<0.50	<0.50	3.1	<5.0	—
MW-2	03/28/07	135.16	5.08	130.08	<50	<0.50	<0.50	<0.50	<0.50	2.5	<5.0	—
MW-2	06/14/07	135.16	5.30	129.86	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0	—
MW-2	09/06/07	135.16	5.64	129.52	<50	<0.50	<0.50	<0.50	<0.50	3.2	<5.0	—
MW-2	12/31/07	135.16	5.10	130.06	<50	<0.50	<0.50	<0.50	<0.50	1.8	<5.0	—
MW-2	03/18/08	135.16	5.45	129.71	<50	<0.50	<0.50	<0.50	<0.50	1.8	<5.0	—
MW-2	06/30/08	135.16	5.61	129.55	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	—
MW-2	09/26/08	135.16	6.00	129.16	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0	—
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
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	—	—

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)	Ethanol (mg/L)	DO (mg/L)
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	—	—
MW-3	09/16/04	136.35	6.79	129.56	<50	<0.50	<0.50	<0.50	<0.50	3.0	—	—
MW-3	12/17/04	136.35	5.20	131.15	<50	<0.50	<0.50	<0.50	<0.50	1.6	—	—
MW-3	03/10/05	136.35	4.42	131.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	—	—
MW-3	06/09/05	136.35	4.98	131.37	<50	<0.50	<0.50	<0.50	<0.50	3.6	—	—
MW-3	09/13/05	136.35	6.42	129.93	<50	<0.50	<0.50	<0.50	<0.50	11	—	—
MW-3	12/06/05	136.35	5.35	131.00	<50	<0.50	<0.50	<0.50	<0.50	1.4	—	—
MW-3	03/29/06	136.35	4.01	132.34	<50	<0.50	<0.50	<0.50	<0.50	3.2	—	—
MW-3	06/29/06	136.35	5.41	130.94	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0	—
MW-3	09/21/06	136.35	6.31	130.04	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0	—
MW-3	12/08/06	136.35	5.75	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0	—
MW-3	03/28/07	136.35	5.09	131.26	<50	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	—
MW-3	06/14/07	136.35	5.47	130.88	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0	—
MW-3	09/06/07	136.35	6.35	130.00	<50	<0.50	<0.50	<0.50	<0.50	2.4	<5.0	—
MW-3	12/31/07	136.35	5.21	131.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—
MW-3	03/18/08	136.35	5.59	130.76	<50	<0.50	<0.50	<0.50	<0.50	0.77	<5.0	—
MW-3	06/30/08	136.35	6.16	130.19	<50	<0.50	<0.50	<0.50	<0.50	0.68	<5.0	—
MW-3	09/26/08	136.35	6.84	129.51	<50	<0.50	<0.50	<0.50	<0.50	0.54	<5.0	—

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

APPENDIX

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.

TRC Alton Geoscience, Northern California Operations

FLUID MEASUREMENT FIELD FORM

Project No.: 158630 TRC Alton Personnel: J. Chidester

Station No.: Quik Stop #56 Date: 9/26/08

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		6.00				30.02		
MW-3		6.84				30.63		
MW-1		13.77				30.15		

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 158630 Sampled By: J. Chidester Date: 9/26/08

Well No. MW-2
Total Depth (feet) 30.02
Depth to Water (feet): 6.00
Water Column (feet): 24.02
80% Recharge Depth (feet): 10.80
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.84

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , (C))	pH
~~[illegible]~~			[illegible]	~~164.4~~	~~21.2~~	~~7.12~~
0917			4	425	21.4	7.27
			8	434	22.4	6.96
	0925		12	438	23.2	6.89
	Total Purged		12	Time Sampled		1030

Comments:
Turbidity=

Well No. MW-3
Total Depth (feet) 30.63
Depth to Water (feet): 6.84
Water Column (feet): 23.79
80% Recharge Depth (feet): 11.60
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3.81

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , (C))	pH
0903			4	164.4	21.2	7.12
			8	192.8	23.0	7.14
	0907		12	238	23.0	7.09
	Total Purged		11	Time Sampled		1045

Comments:
Turbidity=

Well No. MW-1
Total Depth (feet) 30.15
Depth to Water (feet): 13.77
Water Column (feet): 16.38
80% Recharge Depth (feet): 17.05
Purge Method: 2" Sub.
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2.62

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , (C))	pH
0936			3	410	22.0	7.28
			6	403	22.8	7.07
	0940		8	415	23.0	6.89
	Total Purged		8	Time Sampled		1100

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-Alton Geoscience
1590 Solano Way Suite A
Concord, CA 94520

Attn: James Chidester
Phone: (925) 688-2485
Fax: (925) 688-0388
Date Received : 09/30/08

Job#: 158630-TA06

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

	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	09/26/08	10/07/08
MW-2	Methyl tert-butyl ether (MTBE)	1.7		0.50 µg/L	09/26/08	10/07/08
Lab ID :	Benzene	ND		0.50 µg/L	09/26/08	10/07/08
TRC08093051-01A	Toluene	ND		0.50 µg/L	09/26/08	10/07/08
	Ethylbenzene	ND		0.50 µg/L	09/26/08	10/07/08
	Xylenes, Total	ND		0.50 µg/L	09/26/08	10/07/08
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	09/26/08	10/07/08
MW-3	Methyl tert-butyl ether (MTBE)	0.54		0.50 µg/L	09/26/08	10/07/08
Lab ID :	Benzene	ND		0.50 µg/L	09/26/08	10/07/08
TRC08093051-02A	Toluene	ND		0.50 µg/L	09/26/08	10/07/08
	Ethylbenzene	ND		0.50 µg/L	09/26/08	10/07/08
	Xylenes, Total	ND		0.50 µg/L	09/26/08	10/07/08
Client ID :	TPH-P (GRO)	1.1		0.40 mg/L	09/26/08	10/08/08
MW-1	Methyl tert-butyl ether (MTBE)	2,200		2.0 µg/L	09/26/08	10/08/08
Lab ID :	Benzene	ND	V	2.0 µg/L	09/26/08	10/08/08
TRC08093051-03A	Toluene	ND	V	2.0 µg/L	09/26/08	10/08/08
	Ethylbenzene	ND	V	2.0 µg/L	09/26/08	10/08/08
	Xylenes, Total	ND	V	2.0 µg/L	09/26/08	10/08/08

Gasoline Range Organics (GRO) C4-C13
V = Reporting Limits were increased due to high concentrations of target analytes.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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) 736-7522 / info@t.alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/13/08
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

ANALYTICAL REPORT

TRC-Alton Geoscience
1590 Solano Way Suite A
Concord, CA 94520

Attn: James Chidester
Phone: (925) 688-2485
Fax: (925) 688-0388
Date Received : 09/30/08

Job#: 158630-TA06

GC/MSD by Direct Injection
EPA Method SW8260B-DI

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : **MW-2**					
Lab ID : TRC08093051-01A	Ethanol	ND	5.0 µg/L	09/26/08	09/30/08
Client ID : **MW-3**					
Lab ID : TRC08093051-02A	Ethanol	ND	5.0 µg/L	09/26/08	09/30/08
Client ID : **MW-1**					
Lab ID : TRC08093051-03A	Ethanol	ND	5.0 µg/L	09/26/08	09/30/08

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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) 736-7522 / info@alpha-analytical.com

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

10/13/08
Report Date

Alpha Analytical, Inc.

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VOC Sample Preservation Report

Work Order: TRC08093051 **Project:** 158630-TA06

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08093051-01A	MW-2	Aqueous	2
08093051-02A	MW-3	Aqueous	2
08093051-03A	MW-1	Aqueous	2

10/13/08
Report Date

Alpha Analytical, Inc.

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Date: 10-Oct-08

QC Summary Report

Work Order: 08093051

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\080930\08093009.D** Batch ID: **20724** Analysis Date: **09/30/2008 12:47**

Sample ID: **MBLK-20724** Units : **µg/L** Run ID: **MSD_11_080930A** Prep Date: **09/30/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	470		500		94	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\080930\08093091.D** Batch ID: **20724** Analysis Date: **09/30/2008 16:32**

Sample ID: **LCS-20724** Units : **µg/L** Run ID: **MSD_11_080930A** Prep Date: **09/30/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	301	5	250		120	68	132			
Surr: Hexafluoro-2-propanol	514		500		103	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\080930\08093007.D** Batch ID: **20724** Analysis Date: **09/30/2008 11:48**

Sample ID: **08092925-01AMS** Units : **µg/L** Run ID: **MSD_11_080930A** Prep Date: **09/30/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	203	5	250	0	81	67	133			
Surr: Hexafluoro-2-propanol	461		500		92	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\080930\08093008.D** Batch ID: **20724** Analysis Date: **09/30/2008 12:08**

Sample ID: **08092925-01AMSD** Units : **µg/L** Run ID: **MSD_11_080930A** Prep Date: **09/30/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	203	5	250	0	81	67	133	202.6	0.3(20)	
Surr: Hexafluoro-2-propanol	445		500		89	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Date: *10-Oct-08*

QC Summary Report

Work Order: 08093051

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B**

File ID: **C:\HPCHEM\MS07\DATA\081007\08100706.D** Batch ID: **MS07W1007B** Analysis Date: **10/07/2008 17:56**

Sample ID: **MBLK MS07W1007B** Units : **mg/L** Run ID: **MSD_07_081007A** Prep Date: **10/07/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00849		0.01		85	75	128			
Surr: Toluene-d8	0.0105		0.01		105	80	120			
Surr: 4-Bromofluorobenzene	0.00991		0.01		99	80	120			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B**

File ID: **C:\HPCHEM\MS07\DATA\081007\08100704.D** Batch ID: **MS07W1007B** Analysis Date: **10/07/2008 17:12**

Sample ID: **GLCS MS07W1007B** Units : **mg/L** Run ID: **MSD_07_081007A** Prep Date: **10/07/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.413	0.05	0.4		103	70	130			
Surr: 1,2-Dichloroethane-d4	0.00886		0.01		89	75	128			
Surr: Toluene-d8	0.01		0.01		100	80	120			
Surr: 4-Bromofluorobenzene	0.0103		0.01		103	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B**

File ID: **C:\HPCHEM\MS07\DATA\081007\08100709.D** Batch ID: **MS07W1007B** Analysis Date: **10/07/2008 19:00**

Sample ID: **08093051-02AGS** Units : **mg/L** Run ID: **MSD_07_081007A** Prep Date: **10/07/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.71	0.25	2	0	85	60	131			
Surr: 1,2-Dichloroethane-d4	0.0454		0.05		91	75	128			
Surr: Toluene-d8	0.0492		0.05		98	80	120			
Surr: 4-Bromofluorobenzene	0.0506		0.05		101	80	120			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B**

File ID: **C:\HPCHEM\MS07\DATA\081007\08100710.D** Batch ID: **MS07W1007B** Analysis Date: **10/07/2008 19:23**

Sample ID: **08093051-02AGSD** Units : **mg/L** Run ID: **MSD_07_081007A** Prep Date: **10/07/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.6	0.25	2	0	80	60	131	1.708	6.6(20)	
Surr: 1,2-Dichloroethane-d4	0.0429		0.05		86	75	128			
Surr: Toluene-d8	0.0499		0.05		99.7	80	120			
Surr: 4-Bromofluorobenzene	0.0514		0.05		103	80	120			

Comments:

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Date: 10-Oct-08

QC Summary Report

Work Order: 08093051

Method Blank

Type MBLK Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\081007\08100706.D Batch ID: MS07W1007A Analysis Date: 10/07/2008 17:56

Sample ID: MBLK MS07W1007A Units : µg/L Run ID: MSD_07_081007A Prep Date: 10/07/2008

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
Xylenes, Total	ND	0.5								
Surr: 1,2-Dichloroethane-d4	8.49		10		85	75	128			
Surr: Toluene-d8	10.5		10		105	80	120			
Surr: 4-Bromofluorobenzene	9.91		10		99	80	120			

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\081007\08100705.D Batch ID: MS07W1007A Analysis Date: 10/07/2008 17:34

Sample ID: LCS MS07W1007A Units : µg/L Run ID: MSD_07_081007A Prep Date: 10/07/2008

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.4	0.5	10		104	70	130			
Benzene	11.4	0.5	10		114	70	130			
Toluene	11.1	0.5	10		111	80	120			
Ethylbenzene	10.6	0.5	10		106	80	120			
Xylenes, Total	20.9	0.5	20		104	70	130			
Surr: 1,2-Dichloroethane-d4	8.56		10		86	75	128			
Surr: Toluene-d8	10.5		10		105	80	120			
Surr: 4-Bromofluorobenzene	10.8		10		108	80	120			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\081007\08100707.D Batch ID: MS07W1007A Analysis Date: 10/07/2008 18:17

Sample ID: 08093051-02AMS Units : µg/L Run ID: MSD_07_081007A Prep Date: 10/07/2008

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	47.7	1.3	50	0.54	94	62	139			
Benzene	51.6	1.3	50	0	103	70	130			
Toluene	49.4	1.3	50	0	99	67	130			
Ethylbenzene	48.4	1.3	50	0	97	70	130			
Xylenes, Total	94.1	1.3	100	0	94	70	130			
Surr: 1,2-Dichloroethane-d4	44.5		50		89	75	128			
Surr: Toluene-d8	52.2		50		104	80	120			
Surr: 4-Bromofluorobenzene	52.7		50		105	80	120			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\081007\08100708.D Batch ID: MS07W1007A Analysis Date: 10/07/2008 18:38

Sample ID: 08093051-02AMSD Units : µg/L Run ID: MSD_07_081007A Prep Date: 10/07/2008

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	47.8	1.3	50	0.54	95	62	139	47.73	0.1(20)	
Benzene	47	1.3	50	0	94	70	130	51.61	9.4(20)	
Toluene	44.4	1.3	50	0	89	67	130	49.35	10.6(20)	
Ethylbenzene	44	1.3	50	0	88	70	130	48.41	9.6(20)	
Xylenes, Total	85.9	1.3	100	0	86	70	130	94.11	9.2(20)	
Surr: 1,2-Dichloroethane-d4	44.5		50		89	75	128			
Surr: Toluene-d8	52.1		50		104	80	120			
Surr: 4-Bromofluorobenzene	53		50		106	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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

CA

WorkOrder : TRC08093051

Report Due By : 5:00 PM On : 14-Oct-08

Client:
TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

Report Attention	Phone Number	EMail Address
James Chidester	(925) 688-2485 x 238	jchidester@trcsolutions.com

EDD Required : Yes

Sampled by : James Chidester

PO :

Client's COC # : 19829 Job : 158630-TA06

Cooler Temp	Samples Received	Date Printed
4 °C	30-Sep-08	30-Sep-08

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W	Sample Remarks
TRC08093051-01A	MW-2	AQ	09/26/08 10:30	6	0	10	Low Level EtOH	GAS-C	BTXE/M_C	
TRC08093051-02A	MW-3	AQ	09/26/08 10:45	6	0	10	Low Level EtOH	GAS-C	BTXE/M_C	
TRC08093051-03A	MW-1	AQ	09/26/08 11:00	6	0	10	Low Level EtOH	GAS-C	BTXE/M_C	

Comments: Security seals intact. Frozen ice. Total Xylenes. Site @ Quik Stop #56, Oakland, CA. ;

	Signature	Print Name	Company	Date/Time
Logged in by:	Tara Jackson	Tara Jackson	Alpha Analytical, Inc.	9/30/08 929

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

Billing Information:
Name TRC
Address
City, State, Zip
Phone Number Fax

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

Samples Collected From Which State?
AZ ___ CA ✓ NV ___ WA ___
ID ___ OR ___ OTHER ___

Page # 1 of 1

Client Name	TRC	P.O. #	Job # 158630 - TA06
Address	1590 Solano Way, Ste. A	EMail Address	jchidester@trcsolutions.com
City, State, Zip	Concord CA 94520	Phone #	Fax #

Sampled by: James Chidester

Time Sampled	Date Sampled	Matrix* See Key Below	Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	TPH-P	BTEX	MTBE	ETOH				REMARKS
1030	9/26/08	AQ	TRC0893051-01	MW-2	STD		6 VHCl	X	X	X	X				
1045	↓	↓	-02	MW-3	↓		↓	↓	↓	↓	↓				
1100	↓	↓	-03	MW-1	↓		↓	↓	↓	↓	↓				

Analyses Required

Required QC Level? I II III IV

EDD / EDF? YES ✓ NO ___
T0601977417 5
Global ID #

ADDITIONAL INSTRUCTIONS: Site of Quik Stop #56 Oakland, CA

	Signature	Print Name	Company	Date	Time
Relinquished by		James Chidester	TRC	9/29/08	10:10
Received by	Lisa de Silva	Lisa de Silva	ALPHA	9-29-08	10:10
Relinquished by					
Received by	Tara Dickinson	Tara Dickinson	Alpha	9/30/08	9:30
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

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.