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2:15 pm, Feb 01, 2008

Alameda County
Environmental Health

January 31, 2008

Project No. 125504

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, FOURTH QUARTER
2007

Dear Mr. Plunkett:

Enclosed is a copy of the *Fourth Quarter 2007 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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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, FOURTH QUARTER
2007

Dear Mr. Karvelot:

This *Fourth Quarter 2007 Quarterly Groundwater Monitoring Report* presents the results of the Fourth Quarter 2007 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 December 31, 2007. Groundwater elevations averaged 127.60 feet above mean sea level (MSL). Groundwater flow direction was to the southwest at a gradient of 0.131 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 December 31, 2007, 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.

QUARTERLY PROGRESS REPORT, FOURTH QUARTER 2007

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

January 31, 2008

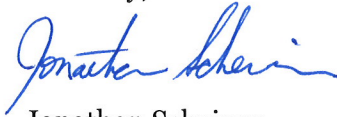
Approximately 55 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on December 31, 2007. The purge water was stored onsite in one Department of Transportation-approved 55-gallon drum pending disposal.

3.0 LIST OF ATTACHMENTS

- Figure 1: Vicinity Map
- Figure 2: Groundwater Elevation Contour Map, December 31, 2007
- Figure 3: Dissolved-Phase Hydrocarbon Concentrations, December 31, 2007
- 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

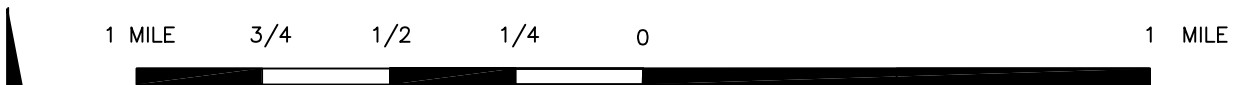
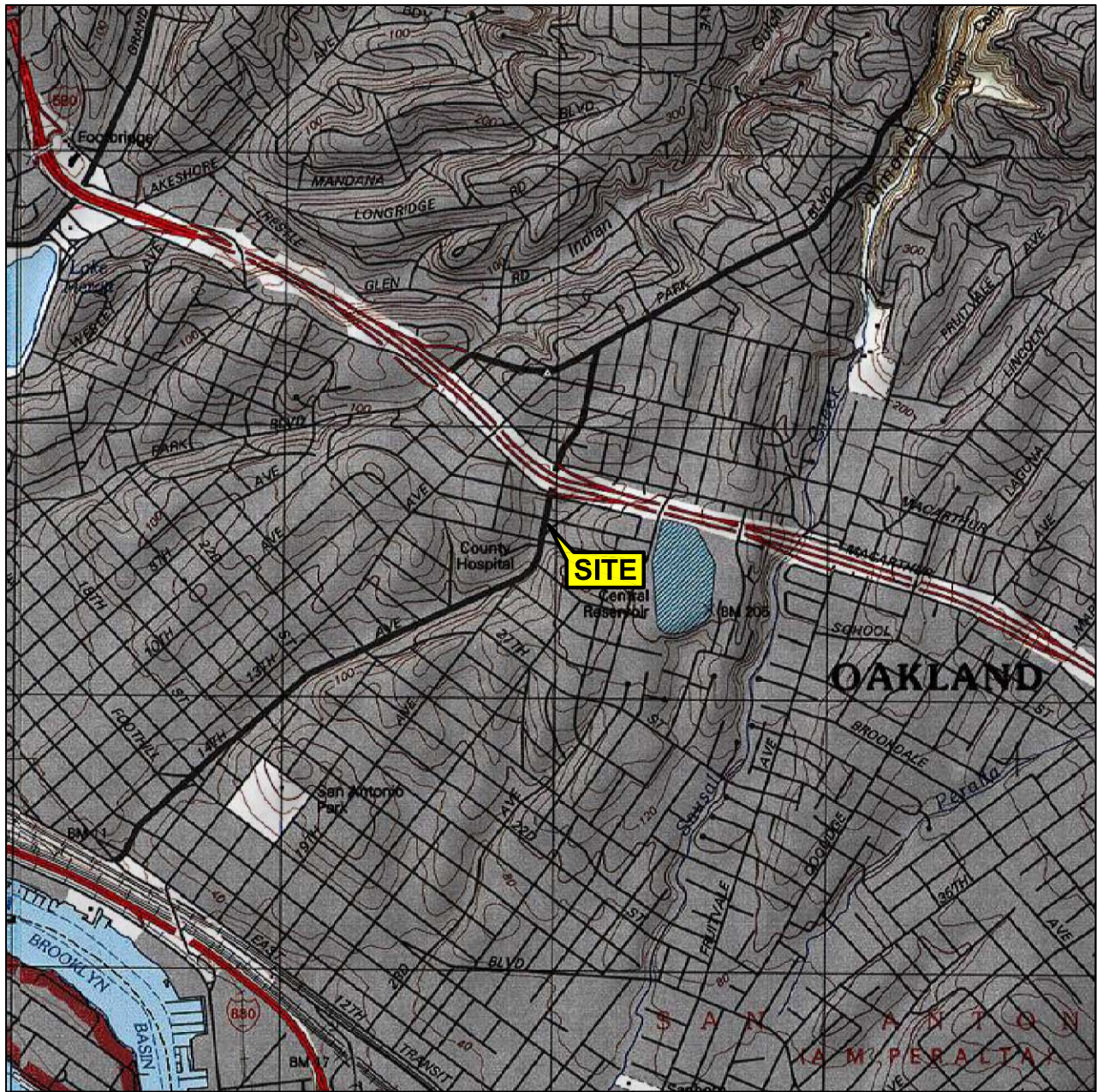


Amy Wilson, Ph.D., P.E.

Senior Project Engineer



FIGURES



SCALE 1 : 24,000



QUADRANGLE
LOCATION

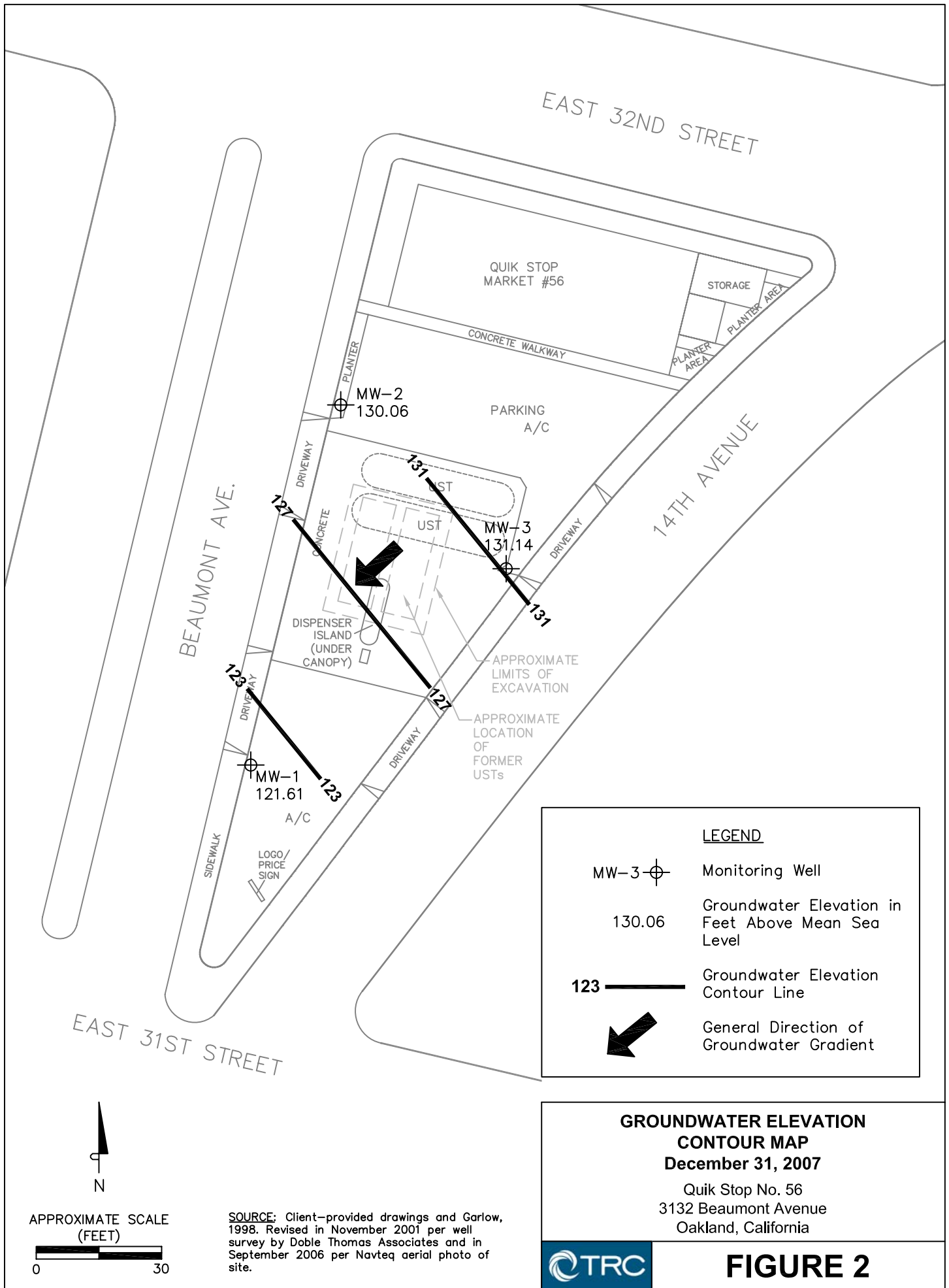
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California



FIGURE 1



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-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-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	—

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.

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 125504 Sampled By: J. Chidester Date: 12/31/07

Well No. MW-2 Purge Method: 2" Sub. Well No. MW-3 Purge Method: 2" Sub.
 Total Depth (feet) 30.02 Depth to Product (feet): — Total Depth (feet) 30.63 Depth to Product (feet): —
 Depth to Water (feet): 5.10 Product Recovered (gallons): — Depth to Water (feet): 5.21 Product Recovered (gallons): —
 Water Column (feet): 24.92 Casing Diameter (Inches): 2" Water Column (feet): 25.42 Casing Diameter (Inches): 2"
 80% Recharge Depth (feet): 10.08 1 Well Volume (gallons): 3.99 80% Recharge Depth (feet): 10.29 1 Well Volume (gallons): 4.07

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
1138			4	1086	16.7	7.43
			8	1062	19.2	7.10
	1143		12	1069	19.8	6.90
Total Purged			12	Time Sampled		1300

Comments:
Turbidity=

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temper-ature (F, C)	pH
1205			4	814	19.1	7.37
			8	805	20.9	6.82
	1214		12	822	21.5	6.68
Total Purged			12	Time Sampled		1315

Comments:
Turbidity=

Well No. MW-1 Purge Method: 2" Sub. Well No. _____ Purge Method: _____
 Total Depth (feet) 30.15 Depth to Product (feet): — Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet): 12.52 Product Recovered (gallons): — Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet): 17.63 Casing Diameter (Inches): 2" Water Column (feet): _____ Casing Diameter (Inches): _____
 80% Recharge Depth (feet): 16.05 1 Well Volume (gallons): 2.82 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
1225			3	809	20.1	7.16
			6	779	21.4	6.79
	1231		8	795	21.9	6.60
Total Purged			8	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
1590 Solano Way Suite A
Concord, CA 94520

Attn: James Chidester
Phone: (925) 688-2485
Fax: (925) 688-0388
Date Received 01/04/08

Job#: 125504-00TA08

GC/MSD by Direct Injection
EPA Method SW8260B-DI

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID: MW-2 Lab ID: TRC08010443-01A Ethanol	ND	5.0 µg/L	12/31/07	01/04/08
Client ID: MW-3 Lab ID: TRC08010443-02A Ethanol	ND	5.0 µg/L	12/31/07	01/04/08
Client ID: MW-1 Lab ID: TRC08010443-03A Ethanol	ND	5.0 µg/L	12/31/07	01/04/08

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) 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.

1/17/08

Report Date



Alpha Analytical, Inc.

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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 : 01/04/08

Job#: 125504-00TA08

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

	Parameter	Concentration	Reporting	Date	Date
			Limit	Sampled	Analyzed
Client ID :	TPH-P (GRO)	ND	0.050 mg/L	12/31/07	01/09/08
MW-2	Methyl tert-butyl ether (MTBE)	1.8	0.50 µg/L	12/31/07	01/09/08
Lab ID :	Benzene	ND	0.50 µg/L	12/31/07	01/09/08
TRC08010443-01A	Toluene	ND	0.50 µg/L	12/31/07	01/09/08
	Ethylbenzene	ND	0.50 µg/L	12/31/07	01/09/08
	Xylenes, Total	ND	0.50 µg/L	12/31/07	01/09/08
Client ID :	TPH-P (GRO)	ND	0.050 mg/L	12/31/07	01/09/08
MW-3	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	12/31/07	01/09/08
Lab ID :	Benzene	ND	0.50 µg/L	12/31/07	01/09/08
TRC08010443-02A	Toluene	ND	0.50 µg/L	12/31/07	01/09/08
	Ethylbenzene	ND	0.50 µg/L	12/31/07	01/09/08
	Xylenes, Total	ND	0.50 µg/L	12/31/07	01/09/08
Client ID :	TPH-P (GRO)	2.9	1.0 mg/L	12/31/07	01/10/08
MW-1	Methyl tert-butyl ether (MTBE)	3,300	5.0 µg/L	12/31/07	01/10/08
Lab ID :	Benzene	ND	V	5.0 µg/L	12/31/07 01/10/08
TRC08010443-03A	Toluene	ND	V	5.0 µg/L	12/31/07 01/10/08
	Ethylbenzene	ND	V	5.0 µg/L	12/31/07 01/10/08
	Xylenes, Total	ND	V	5.0 µg/L	12/31/07 01/10/08

Gasoline Range Organics (GRO) C4-C13

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) 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.

1/17/08

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

VOC Sample Preservation Report

Work Order: TRC08010443

Project: 125504-00TA08

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08010443-01A	MW-2	Aqueous	2
08010443-02A	MW-3	Aqueous	2
08010443-03A	MW-1	Aqueous	2

1/17/08
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

Date:
11-Jan-08

QC Summary Report

Work Order:
08010443

Method Blank

File ID: C:\HPCHEM\MS11\DATA\080104\08010408.D	Type MBLK	Test Code: EPA Method SW8260B-DI	Batch ID: 19021	Analysis Date: 01/04/2008 11:54						
Sample ID: MBLK-19021	Units : µg/L	Run ID: MSD_11_080104A	Prep Date: 01/04/2008							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	459		500		92	70	130			

Laboratory Control Spike

File ID: C:\HPCHEM\MS11\DATA\080104\08010404.D	Type LCS	Test Code: EPA Method SW8260B-DI	Batch ID: 19021	Analysis Date: 01/04/2008 10:32						
Sample ID: LCS-19021	Units : µg/L	Run ID: MSD_11_080104A	Prep Date: 01/04/2008							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	238	5	250		95	68	132			
Surr: Hexafluoro-2-propanol	494		500		99	70	130			

Sample Matrix Spike

File ID: C:\HPCHEM\MS11\DATA\080104\08010406.D	Type MS	Test Code: EPA Method SW8260B-DI	Batch ID: 19021	Analysis Date: 01/04/2008 11:13						
Sample ID: 08010328-01AMS	Units : µg/L	Run ID: MSD_11_080104A	Prep Date: 01/04/2008							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	462000	10000	500000	0	92	67	133			
Surr: Hexafluoro-2-propanol	457		500		91	70	130			

Sample Matrix Spike Duplicate

File ID: C:\HPCHEM\MS11\DATA\080104\08010407.D	Type MSD	Test Code: EPA Method SW8260B-DI	Batch ID: 19021	Analysis Date: 01/04/2008 11:33						
Sample ID: 08010328-01AMSD	Units : µg/L	Run ID: MSD_11_080104A	Prep Date: 01/04/2008							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	461000	10000	500000	0	92	67	133	462100	0.3(20)	
Surr: Hexafluoro-2-propanol	458		500		92	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.



Alpha Analytical, Inc.

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Date:
11-Jan-08

QC Summary Report

Work Order:
08010443

Method Blank

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010905.D**

Batch ID: **MS12W0109B**

Analysis Date: **01/09/2008 17:53**

Sample ID: **MBLK MS12W0109B**

Units : **mg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

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	0.00944		0.01		94	75	128			
Surr: Toluene-d8	0.0103		0.01		103	80	120			
Surr: 4-Bromofluorobenzene	0.0105		0.01		105	80	120			

Laboratory Control Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010904.D**

Batch ID: **MS12W0109B**

Analysis Date: **01/09/2008 17:31**

Sample ID: **GLCS MS12W0109B**

Units : **mg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.368	0.05	0.4		92	70	130			
Surr: 1,2-Dichloroethane-d4	0.00949		0.01		95	75	128			
Surr: Toluene-d8	0.0099		0.01		99	80	120			
Surr: 4-Bromofluorobenzene	0.0111		0.01		111	80	120			

Sample Matrix Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010908.D**

Batch ID: **MS12W0109B**

Analysis Date: **01/09/2008 19:00**

Sample ID: **08010443-01AGS**

Units : **mg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.67	0.25	2	0	83	60	131			
Surr: 1,2-Dichloroethane-d4	0.0462		0.05		92	75	128			
Surr: Toluene-d8	0.0506		0.05		101	80	120			
Surr: 4-Bromofluorobenzene	0.0543		0.05		109	80	120			

Sample Matrix Spike Duplicate

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010909.D**

Batch ID: **MS12W0109B**

Analysis Date: **01/09/2008 19:23**

Sample ID: **08010443-01AGSD**

Units : **mg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.82	0.25	2	0	91	60	131	1.668	8.9(20)	
Surr: 1,2-Dichloroethane-d4	0.0473		0.05		95	75	128			
Surr: Toluene-d8	0.0495		0.05		99	80	120			
Surr: 4-Bromofluorobenzene	0.054		0.05		108	80	120			

Comments:

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Alpha Analytical, Inc.

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Date:
11-Jan-08

QC Summary Report

Work Order:
08010443

Method Blank

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010905.D**

Batch ID: **MS12W0109A**

Analysis Date: **01/09/2008 17:53**

Sample ID: **MBLK MS12W0109A**

Units: **µg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

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	9.44		10		94	75	128			
Surr: Toluene-d8	10.3		10		103	80	120			
Surr: 4-Bromofluorobenzene	10.5		10		105	80	120			

Laboratory Control Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010903.D**

Batch ID: **MS12W0109A**

Analysis Date: **01/09/2008 17:09**

Sample ID: **LCS MS12W0109A**

Units: **µg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.51	0.5	10		85	70	130			
Benzene	9.65	0.5	10		97	70	130			
Toluene	9.86	0.5	10		99	80	120			
Ethylbenzene	11.2	0.5	10		112	80	120			
Xylenes, Total	22.4	0.5	20		112	70	130			
Surr: 1,2-Dichloroethane-d4	10.2		10		102	75	128			
Surr: Toluene-d8	9.92		10		99	80	120			
Surr: 4-Bromofluorobenzene	10.7		10		107	80	120			

Sample Matrix Spike

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010906.D**

Batch ID: **MS12W0109A**

Analysis Date: **01/09/2008 18:15**

Sample ID: **08010443-01AMS**

Units: **µg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	43	1.3	50	1.81	82	62	139			
Benzene	46.3	1.3	50	0	93	70	130			
Toluene	47.8	1.3	50	0	96	67	130			
Ethylbenzene	54.7	1.3	50	0	109	70	130			
Xylenes, Total	107	1.3	100	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	49.7		50		99	75	128			
Surr: Toluene-d8	50.2		50		100	80	120			
Surr: 4-Bromofluorobenzene	53.2		50		106	80	120			

Sample Matrix Spike Duplicate

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

File ID: **D:\MSDCHEM\MS12\DATA\080109\08010907.D**

Batch ID: **MS12W0109A**

Analysis Date: **01/09/2008 18:38**

Sample ID: **08010443-01AMSD**

Units: **µg/L**

Run ID: **MSD_12_080109A**

Prep Date: **01/09/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	44.7	1.3	50	1.81	86	62	139	42.98	3.9(20)	
Benzene	44.8	1.3	50	0	90	70	130	46.25	3.2(20)	
Toluene	47.4	1.3	50	0	95	67	130	47.83	1.0(20)	
Ethylbenzene	53.7	1.3	50	0	107	70	130	54.65	1.7(20)	
Xylenes, Total	107	1.3	100	0	107	70	130	107	0.1(20)	
Surr: 1,2-Dichloroethane-d4	48		50		96	75	128			
Surr: Toluene-d8	50.7		50		101	80	120			
Surr: 4-Bromofluorobenzene	53.3		50		107	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.

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 : TRC08010443
Report Due By : 5:00 PM On : 18-Jan-08

Client:
 TRC-Alton Geoscience
 1590 Solano Way Suite A

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

EDD Required : Yes

Sampled by : James Chidester

Concord, CA 94520

PO :

Cooler Temp	Samples Received	Date Printed
4 °C	04-Jan-08	04-Jan-08

Client's COC # : 19819 Job : 125504-00TA08

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

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks	
				ALCOHOL_W	TPH/P_W	VOC_W					
TRC08010443-01A	MW-2	AQ 12/31/07 13:00	6 0 10	Low Level MeOH / EtOH	GAS-C	BTXE/M_C					
TRC08010443-02A	MW-3	AQ 12/31/07 13:15	6 0 10	Low Level MeOH / EtOH	GAS-C	BTXE/M_C					
TRC08010443-03A	MW-1	AQ 12/31/07 13:30	6 0 10	Low Level MeOH / EtOH	GAS-C	BTXE/M_C					

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

Signature	Print Name	Company	Date/Time
<i>Tasha Pascal</i>	Tasha Pascal	Alpha Analytical, Inc.	1/4/08 10:15

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 _____

19079

Page # 1 of 1

Client Name		P.O. #		Job #		Analyses Required				Required QC Level?				
TRC				125504 - 00TA08		TPH-P	BTEX	MTBE	ETOH	I	II	III	IV	
Address 1590 Solano Way, Ste. A		E-Mail Address jchidester@tresolutions.com		Phone # (925) 688-1200						Fax # (925) 688-0388		EDD / EDF? YES <input checked="" type="checkbox"/> NO _____		Global ID # T06019774175
Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by	Report Attention	Lab ID Number	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	REMARKS				
1300	12/31/07	AQ	James Chidester	James Chidester	TRC08010443-01	MW-2	STD		6Vw/Hc	X	X	X	X	
1315	↓	↓			-02	MW-3	↓		↓	↓	↓	↓		
1330	↓	↓			-03	MW-1	↓		↓	↓	↓	↓		

ADDITIONAL INSTRUCTIONS:

Site @ Quik Stop #56					Oakland, CA				
Signature	Print Name	Company	Date	Time					
<i>[Signature]</i>	James Chidester	TRC	1/3/07	11:30					
<i>[Signature]</i>	Tasha Pascal	Alph	1/4/08	10:15					
Relinquished by									
Received by									
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.