Quik Stop Markets, Inc.

4567 Enterprise Street • Fremont, CA 94538 • (510) 657-8500 • Fax: (510) 657-1544

RECEIVED

11:17 am, Oct 26, 2011

Alameda County
Environmental Health

October 21, 2011

Mr. Paresh Khatri
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Reference: Quik Stop Market #56
3132 Beaumont Avenue
Oakland, CA 94602

Subject: Second Quarter 2011 Semiannual Groundwater Monitoring Report

Dear Mr. Khatri:

I have reviewed and approved the subject report. I declare, under penalty of perjury, that the information and/or recommendations contained in the report are true and correct to the best of my knowledge.

Sincerely,
QUIK STOP MARKETS, INC.

Mike Karvelot
Director of Environmental Affairs

One Concord Center
2300 Clayton Road, Suite 610
Concord, CA 94520

925.688.1200 PHONE
925.688.0388 FAX

www.TRCsolutions.com

July 29, 2011

Project No. 183318

Mr. Paresh Khatri
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: SEMIANNUAL GROUNDWATER MONITORING REPORT
SECOND QUARTER 2011

Dear Mr. Khatri:

Enclosed is a copy of the *Second Quarter 2011 Semiannual Groundwater Monitoring Report* for the property located at 3132 Beaumont Avenue in Oakland, California. This report is submitted on behalf of 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 E. Scheiner

Jonathan Scheiner
Project Manager

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

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2300 Clayton Road, Suite 610
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July 29, 2011

Project No. 183318

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: SEMIANNUAL GROUNDWATER MONITORING REPORT
SECOND QUARTER 2011

Dear Mr. Karvelot:

This *Second Quarter 2011 Semiannual Groundwater Monitoring Report* presents the results of the Second Quarter 2011 fluid level monitoring and groundwater sampling at the above-referenced site (Figure 1). The work at the 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 AND GROUNDWATER FLOW PATTERNS

Fluid levels were measured in onsite monitoring wells MW-1, MW-2, and MW-3, and offsite monitoring wells MW-4, MW-5, MW-6 and MW-7 on June 9, 2011. Refer to Table 1 for fluid-level monitoring data, and to Figure 2 for a groundwater elevation contour map based on the fluid-level measurements. A description of fluid-level monitoring procedures is included in the Appendix.

Groundwater elevations range between 123.17 feet above mean sea level (MSL) in MW-6 at the south end of the study area to 131.68 feet above MSL in MW-3 in the north, with an average elevation of 127.60 feet above MSL. Groundwater flow direction was predominantly to the southwest at a gradient of 0.064 feet per foot in the northern portion of the study area, and approximately 0.025 feet per foot over the entire extent of the well network (i.e., extending to MW-6 at the southern end of the study area). South-southeastern and western components of groundwater flow are also evident at the west and east portions of the well network, respectively. The observed variation in groundwater flow direction and gradient may be attributed to local topography, with 14th Avenue (Beaumont Avenue) forming a north-south depression relative to the steeply trending perpendicular

East 31st Street to the east and west. Surface topography is also generally steeper at the north end of the study area (near Site) than at the south end (near MW-6), which could explain the gentler gradient in the south relative to that in the northern portion of the study area.

2.0 GROUNDWATER SAMPLING

2.1 Field Sampling and Analytical Testing

On June 9, 2011, groundwater samples were collected from onsite wells MW-1, MW-2, and MW-3, and offsite monitoring wells MW-4, MW-5, MW-6 and MW-7. Approximately 144 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on June 9, 2011. The purge water was stored onsite in three Department of Transportation-approved 55-gallon drums pending disposal. General Field Procedures, Field Measurement Forms, Official Laboratory Reports, and Chain of Custody Records are included in the Appendix. Groundwater samples were submitted to a state-certified laboratory for analysis of the following constituents:

- Total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method SW8015B
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method SW8260B.
- Fuel Oxygenates by EPA Method 8260B, including:
  - Methyl tert-butyl ether (MTBE)
  - Tertiary butyl alcohol (TBA)
  - Di-isopropyl ether (DIPE)
  - Ethyl tertiary butyl ether (ETBE)
  - Tertiary amyl methyl ether (TAME)
- Ethanol by EPA Method SW8260B-DI.

2.2 Analytical Results

Second Quarter 2011 groundwater analytical results are summarized in Table 1 and Figure 3. TPH-G concentrations reported during this event ranged from non-detect (<50 micrograms per liter [µg/L]) to 320 µg/L (MW-4). MTBE concentrations ranged from non-detect (<0.50 µg/L) to 500 µg/L (MW-1), and TBA concentrations ranged from non-detect (<10 µg/L) to 1,700 µg/L (MW-1) during this sampling event. No other analytes were detected above their respective reporting limits.

2.3 Discussion

The Second Quarter 2011 monitoring event represents the seventh monitoring with the expanded well network (i.e., including offsite wells MW-4 through MW-7), and is also the seventh monitoring event to include the analysis of dissolved phase TBA, DIPE, ETBE and TAME. In general, the results are consistent with those from historic sampling events and the previous Fourth Quarter 2010 monitoring event.

The presence of a detectable level of TPH-G was reported in the southern (downgradient) Site area, in wells MW-1 and MW-4. TBA was also detected in both downgradient wells MW-1 and MW-4 located immediately beyond the southern Site perimeter.

MTBE was detected in five of the seven groundwater samples analyzed (i.e., except for MW-3 and MW-5). The maximum concentration of MTBE was reported in MW-1, which is consistent with historical results.

Overall diminishing trends are apparent for TPH-G in wells where detectable levels have been reported (i.e., downgradient, near Site wells MW-1, MW-4). Similarly diminishing trends are apparent for MTBE in wells where highest detectable levels have historically been reported (e.g., MW-1), and for TBA (in MW-1, MW-4).

As concluded in the Site Conceptual Model, the lateral extent of impacts to shallow groundwater has been defined, and the well network is deemed adequate (TRC, 2011). Pursuant to a request by the ACDEH dated June 23, 2011, the vertical extent of groundwater impacts will be evaluated following the planned installation of Cone Penetration Testing (CPT) borings into deeper water bearing zones locally downgradient of the source area.

3.0 LIST OF ATTACHMENTS

Figure 1:	Vicinity Map
Figure 2:	Groundwater Elevation Contour Map, June 9, 2011
Figure 3:	Dissolved-Phase Constituent Concentrations, June 9, 2011
Table 1:	Summary of Groundwater Levels and Chemical Analysis
Appendix:	General Field Procedures, Field Measurement Forms, Official Laboratory Reports, and Chain of Custody Records

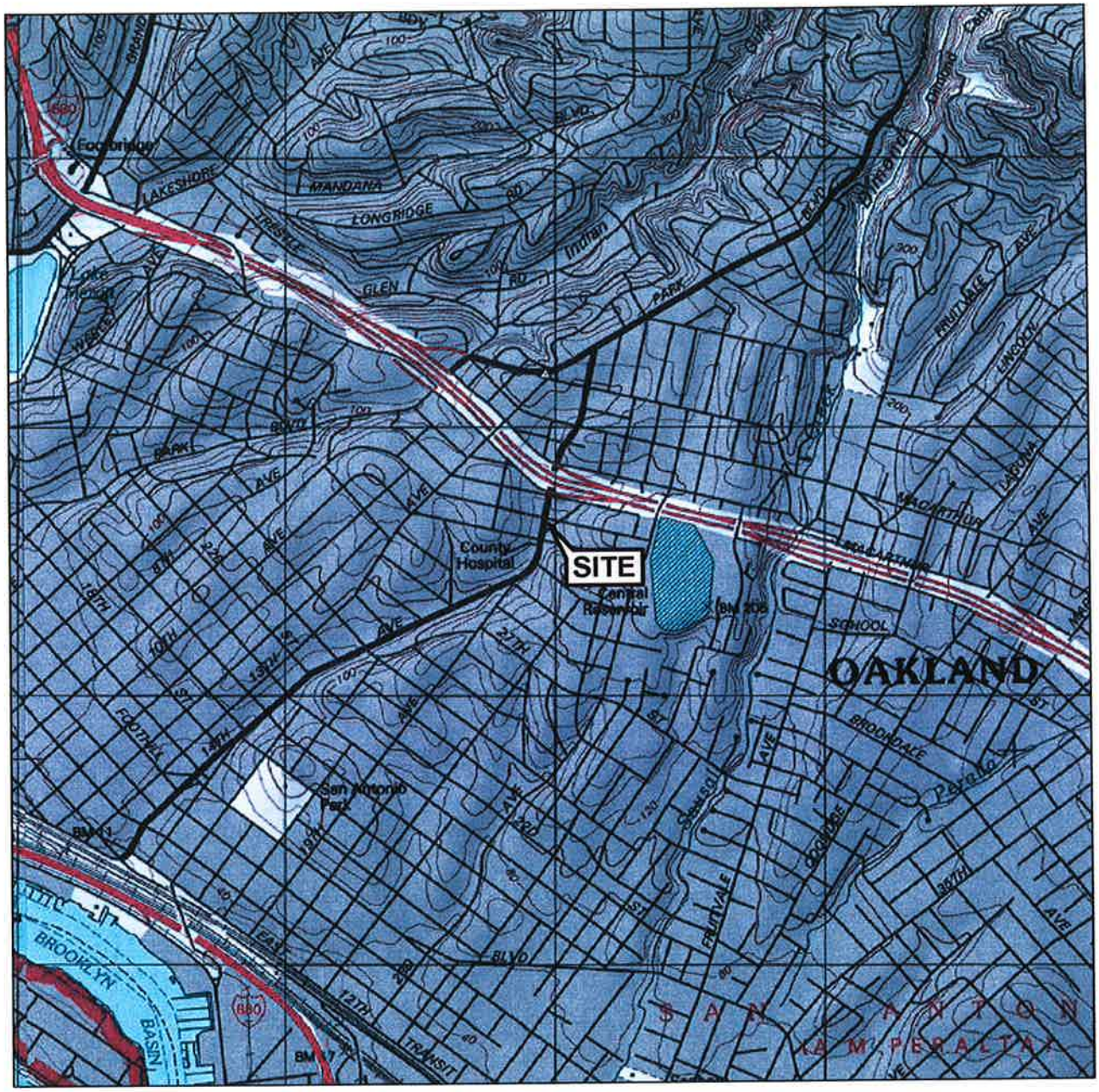
If you have any questions regarding this report, please call me at (925) 688-2473.

Sincerely,

Jonathan Scheiner
Project Manager

Keith Woodburne, P.G.
Senior Project Geologist

FIGURES



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

SCALE 1 : 24,000

N

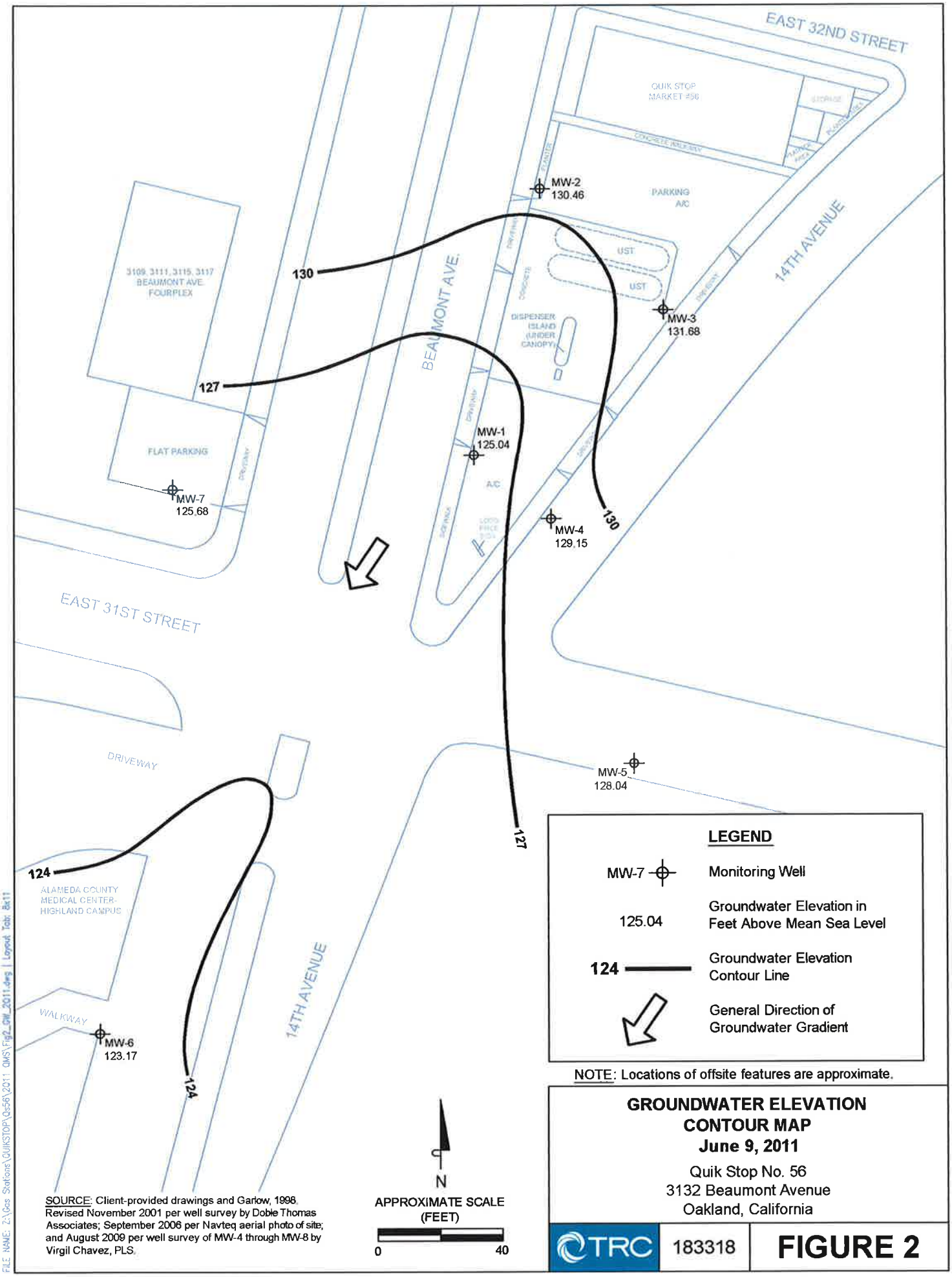
SOURCE:
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and
Oakland West Quadrangles

VICINITY MAP

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 183318 | **FIGURE 1**

FILE NAME: Z:\Gas Stations\QUIKSTOP\Qs56\0558_VICINITY MAP.DWG | Layout Tab: Quik Stop 56 Vicinity Map



NOTE: Locations of offsite features are approximate.

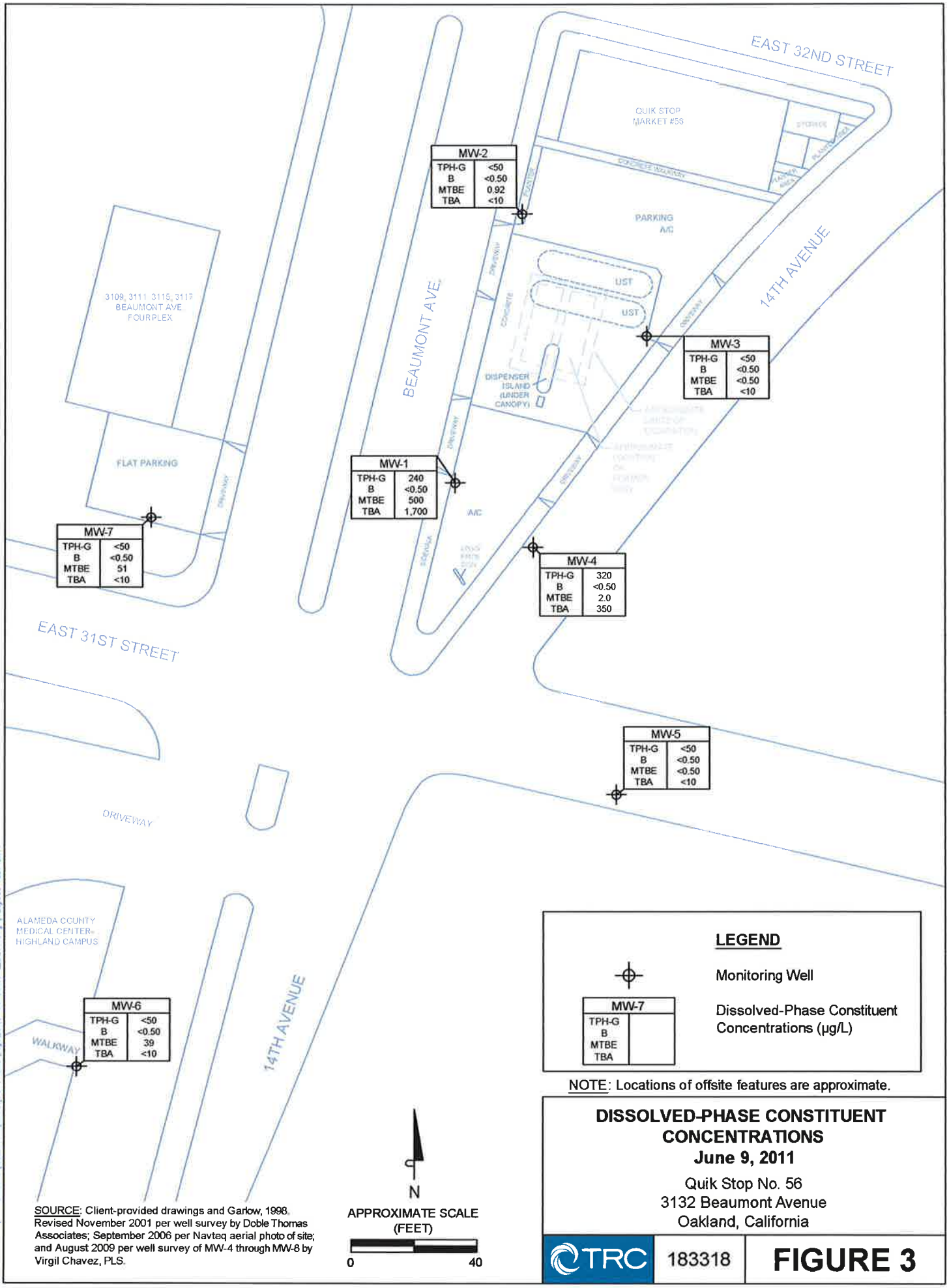
SOURCE: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates; September 2006 per Navteq aerial photo of site; and August 2009 per well survey of MW-4 through MW-8 by Virgil Chavez, PLS.

GROUNDWATER ELEVATION CONTOUR MAP
June 9, 2011

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 183318 | **FIGURE 2**

FILE NAME: Z:\Gcs Stations\QUIKSTOP\Qs56\2011 GMS\Fig2_GW_2011.dwg | Layout: Tabl 8x11



NOTE: Locations of offsite features are approximate.

SOURCE: Client-provided drawings and Garlow, 1998. Revised November 2001 per well survey by Doble Thomas Associates; September 2006 per Navteq aerial photo of site; and August 2009 per well survey of MW-4 through MW-8 by Virgil Chavez, PLS.

DISSOLVED-PHASE CONSTITUENT CONCENTRATIONS
June 9, 2011

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC | 183318 | **FIGURE 3**

FILE NAME: Z:\Oaks Stations\QUIKSTOP\Qs56\2011 DMS\Fig3_Diss-Constituent_2011.dwg | Layout Tab: 8x11

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 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-1	03/02/00	131.58	10.33	121.25	670	<1.0	<1.0	<1.0	<1.0	2,200	—	—	—	—	—	0.62
MW-1	11/16/00	131.58	11.86	119.72	<500	<0.5	<0.5	<0.5	<0.5	18,000	—	—	—	—	—	0.34
MW-1	01/23/01	131.58	11.05	120.53	6,400	<10	<10	<10	<10	21,000	—	—	—	—	—	0.83
MW-1	04/25/01	131.58	12.06	119.52	12,000	<20	<20	<20	<20	17,000	—	—	—	—	—	0.39
MW-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-1	11/25/08	134.13	13.57	120.56	1,300	<2.5	<2.5	<2.5	<2.5	2,000	<5.0	—	—	—	—	—
MW-1	03/09/09	134.13	11.09	123.04	1,100	<2.0	<2.0	<2.0	<2.0	1,600	<5.0	—	—	—	—	—
MW-1	06/29/09	134.13	11.33	122.80	430	<1.0	<1.0	<1.0	<1.0	730	<5.0	—	—	—	—	—
MW-1	09/11/09	134.13	11.01	123.12	880	<2.5	<2.5	<2.5	<2.5	980	<5.0	7,000	<5.0	<5.0	<5.0	—
MW-1	12/08/09	134.13	11.86	122.27	710	<2.5	<2.5	<2.5	<2.5	1,300	<5.0	9,900	<5.0	<5.0	<5.0	—
MW-1	03/19/10	134.13	10.09	124.04	1,100	<2.5	<2.5	<2.5	<2.5	1,000	<5.0	5,300	<5.0	<5.0	<5.0	—
MW-1	06/08/10	134.13	9.67	124.46	<300	<1.5	<1.5	<1.5	<1.5	500	<5.0	3,500	<3.0	<3.0	<3.0	—
MW-1	09/14/10	134.13	10.48	123.65	320	<1.0	<1.0	<1.0	<1.0	470	<5.0	2,500	<2.0	<2.0	<2.0	—
MW-1	12/03/10	134.13	10.45	123.68	500	<1.0	<1.0	<1.0	<1.0	740	<5.0	1,900	<2.0	<2.0	<2.0	—
MW-1	06/09/11	134.13	9.09	125.04	240	<0.50	<0.50	<0.50	<0.50	500	<5.0	1,700	<1.0	<1.0	<1.0	—
MW-2	03/02/00	132.63	5.88	126.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—	—	1.45

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 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
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
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-2	11/25/08	135.16	5.73	129.43	<50	<0.50	<0.50	<0.50	<0.50	1.4	<5.0	—	—	—	—	—
MW-2	03/09/09	135.16	4.56	130.60	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0	—	—	—	—	—
MW-2	06/29/09	135.16	5.39	129.77	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0	—	—	—	—	—
MW-2	09/11/09	135.16	5.78	129.38	<50	<0.50	<0.50	<0.50	<0.50	1.4	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/08/09	135.16	5.48	129.68	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	03/19/10	135.16	4.47	130.69	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/08/10	135.16	4.73	130.43	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	09/14/10	135.16	5.47	129.69	<50	<0.50	<0.50	<0.50	<0.50	1.2	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	12/03/10	135.16	4.83	130.33	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0	<10	<1.0	<1.0	<1.0	—
MW-2	06/09/11	135.16	4.70	130.46	<50	<0.50	<0.50	<0.50	<0.50	0.92	<5.0	<10	<1.0	<1.0	<1.0	—
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

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 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
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	—	—	—	—	—	—
MW-3	10/21/02	136.35	6.57	129.78	<50	<0.50	<0.50	<0.50	<0.50	5.8	—	—	—	—	—	—
MW-3	03/05/03	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	—	—	—	—	—
MW-3	11/25/08	136.35	6.37	129.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—
MW-3	03/09/09	136.35	4.19	132.16	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—
MW-3	06/29/09	136.35	5.94	130.41	<50	<0.50	<0.50	<0.50	<0.50	0.68	<5.0	—	—	—	—	—
MW-3	09/11/09	136.35	6.64	129.71	<50	<0.50	<0.50	<0.50	<0.50	0.65	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/08/09	136.35	5.92	130.43	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	03/19/10	136.35	4.30	132.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/08/10	136.35	5.04	131.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	09/14/10	136.35	6.13	130.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	12/03/10	136.35	5.07	131.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-3	06/09/11	136.35	4.67	131.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-4	09/11/09	133.59	6.52	127.07	1,100	<5.0	<5.0	<5.0	<5.0	11	<5.0	13,000	<10	<10	<10	—
MW-4	12/08/09	133.59	5.28	128.31	780	<1.0	<1.0	<1.0	1.5	2.7	<5.0	1,200	<2.0	<2.0	<2.0	—
MW-4	03/19/10	133.59	4.22	129.37	680	<0.50	<0.50	<0.50	0.97	2.5	<5.0	550	<1.0	<1.0	<1.0	—

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 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	DO (mg/L)
MW-4	06/08/10	133.59	4.44	129.15	370	<0.50	<0.50	<0.50	0.68	2.0	<5.0	450	<1.0	<1.0	<1.0	—
MW-4	09/14/10	133.59	5.88	127.71	520	<1.0	<1.0	<1.0	<1.0	6.3	<5.0	2,900	<2.0	<2.0	<2.0	—
MW-4	12/03/10	133.59	4.66	128.93	510	<0.50	<0.50	<0.50	0.86	2.3	<5.0	980	<1.0	<1.0	<1.0	—
MW-4	06/09/11	133.59	4.44	129.15	320	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	350	<1.0	<1.0	<1.0	—
MW-5	09/11/09	133.58	8.51	125.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/08/09	133.58	7.09	126.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	03/19/10	133.58	5.23	128.35	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/08/10	133.58	5.97	127.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	09/14/10	133.58	7.62	125.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	12/03/10	133.58	6.12	127.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-5	06/09/11	133.58	5.54	128.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	09/11/09	128.83	6.47	122.36	<50	<0.50	<0.50	<0.50	<0.50	43	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/08/09	128.83	6.23	122.60	<50	<0.50	<0.50	<0.50	<0.50	29	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	03/19/10	128.83	5.53	123.30	<50	<0.50	<0.50	<0.50	<0.50	23	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	06/08/10	128.83	5.78	123.05	<50	<0.50	<0.50	<0.50	<0.50	24	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	09/14/10	128.83	6.27	122.56	<50	<0.50	<0.50	<0.50	<0.50	26	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	12/03/10	128.83	5.89	122.94	<50	<0.50	<0.50	<0.50	<0.50	19	<5.0	<10	<1.0	<1.0	<1.0	—
MW-6	06/09/11	128.83	5.66	123.17	<50	<0.50	<0.50	<0.50	<0.50	39	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	09/11/09	134.37	9.60	124.77	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/08/09	134.37	9.24	125.13	<50	<0.50	<0.50	<0.50	<0.50	15	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	03/19/10	134.37	8.42	125.95	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	06/08/10	134.37	8.68	125.69	<50	<0.50	<0.50	<0.50	<0.50	22	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	09/14/10	134.37	9.39	124.98	<50	<0.50	<0.50	<0.50	<0.50	35	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	12/03/10	134.37	8.88	125.49	<50	<0.50	<0.50	<0.50	<0.50	34	<5.0	<10	<1.0	<1.0	<1.0	—
MW-7	06/09/11	134.37	8.69	125.68	<50	<0.50	<0.50	<0.50	<0.50	51	<5.0	<10	<1.0	<1.0	<1.0	—

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
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl 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.

FIELD MONITORING DATA SHEET

Technician: JOE Job #/Task #: 183318 Date: 06/09/11

Site # Quik Stop 56 Project Manager J. Scheiner Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-2	X	0609	29.90	4.70	—	—	1032	2"
MW-3	X	0613	30.26	4.67	—	—	1040	2"
MW-1	X	0618	30.06	9.09	—	—	0937	2"
MW-5	X	0627	10.24	5.54	—	—	1000	2"
MW-4	X	0622	14.76	4.44	—	—	0948	2"
MW-7	X	0631	24.30	8.69	—	—	1010	2"
MW-6	X	0637	19.72	5.66	—	—	1020	2"

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: Quik Stop 56 Project No.: 193318 Date: 06/09/11

Well No. MW-2 Purge Method: SUB

Depth to Water (feet): ~~4.74~~ 4.70 Depth to Product (feet): —

Total Depth (feet) 29.90 LPH & Water Recovered (gallons): —

Water Column (feet): 25.20 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.74 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0900			5	1337	19.2	6.49			
			10	1383	19.5	6.08			
	0905		15	1390	19.8	6.04			

Static at Time Sampled	Total Gallons Purged	Sample Time
5.40	15	1032

Comments:

Well No. MW-3 Purge Method: SUB

Depth to Water (feet): 4.67 Depth to Product (feet): —

Total Depth (feet) 30.26 LPH & Water Recovered (gallons): —

Water Column (feet): 25.59 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.78 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0916			5	969.3	19.6	6.90			
			10	986.0	19.6	6.40			
	0921		15	988.1	19.8	6.26			

Static at Time Sampled	Total Gallons Purged	Sample Time
5.85	15	1040

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: Quik Stop 56 Project No.: 183318 Date: 06/09/11

Well No. MW-1 Purge Method: _____

Depth to Water (feet): 9.09 Depth to Product (feet): —

Total Depth (feet) 30.06 LPH & Water Recovered (gallons): —

Water Column (feet): 20.97 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 13.28 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0721			4	1051	18.2	6.89			
			8	964.1	19.2	6.17			
	0726		12	1057	19.5	5.71			

Static at Time Sampled	Total Gallons Purged	Sample Time
12.38	12	0737

Comments:

Well No. MW-5 Purge Method: HB

Depth to Water (feet): 5.54 Depth to Product (feet): —

Total Depth (feet) 10.24 LPH & Water Recovered (gallons): —

Water Column (feet): 4.70 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 6.48 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0744			1	273.1	17.8	5.55			
			2	275.6	18.0	5.13			
	0749		3	275.4	18.1	5.00			

Static at Time Sampled	Total Gallons Purged	Sample Time
5.62	3	1000

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: Quik Stop 56 Project No.: 183318 Date: 06/09/11

Well No. MW-4 Purge Method: _____

Depth to Water (feet): 4.44 Depth to Product (feet): —

Total Depth (feet) 14.76 LPH & Water Recovered (gallons): —

Water Column (feet): 10.32 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 6.50 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F (C))	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0731			2	725.6	18.4	5.66			
			4	731.7	18.4	5.40			
	0740		6	730.0	18.6	5.48			

Static at Time Sampled	Total Gallons Purged	Sample Time
4.48	6	0743

Comments:

Well No. MW-7 Purge Method: HB

Depth to Water (feet): 8.69 Depth to Product (feet): —

Total Depth (feet) 24.80 LPH & Water Recovered (gallons): —

Water Column (feet): 16.11 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 11.91 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F (C))	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0755			3	1901	18.4	5.58			
			6	1901	18.5	6.10			
	0815		9	1894	18.6	6.33			

Static at Time Sampled	Total Gallons Purged	Sample Time
9.50	9	1010

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: Quik Stop 56 Project No.: 183318 Date: 06/09/11

Well No. MW-6 Purge Method: HB

Depth to Water (feet): 5.66 Depth to Product (feet): —

Total Depth (feet) 19.72 LPH & Water Recovered (gallons): —

Water Column (feet): 14.06 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.47 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F (C))	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0827			3	1092	17.8	6.80			
			6	1087	17.9	6.68			
	0840		9	1063	17.9	6.57			

Static at Time Sampled	Total Gallons Purged	Sample Time
	9	1020

Comments:

Well No. Purge Method:

Depth to Water (feet): Depth to Product (feet):

Total Depth (feet) LPH & Water Recovered (gallons):

Water Column (feet): Casing Diameter (Inches):

80% Recharge Depth(feet): 1 Well Volume (gallons):

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

FIELD REPORT - DRUM INVENTORY

Project Number: 183318 Date: 06/09/11

Site/Station I.D. Quik Stop 56

Address: 3132 Beaumont Ave.

Active Station? Yes

Drums Needed: 3 Drums Used: 3

Drums Empty: _____ Drums Full: _____

Drums Labeled: Yes Not Labeled: _____

Total Gallons for Today: 144

Field Notes: Left 3 drums on site

Drums were filled with ground water &

Decon water

Drums needed for next event: _____ Scheduled for: _____

Special Instructions: _____

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ANALYTICAL REPORT

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

Attn: Jonathan Scheiner
Phone: (925) 688-2473
Fax: (925) 688-0388
Date Received : 06/11/11

Job: Quik Stop 56

GC/MSD by Direct Injection
EPA Method SW8260B-DI

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-2**				
Lab ID : TRC11061322-01A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 10:32				
Client ID: **MW-3**				
Lab ID : TRC11061322-02A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 10:40				
Client ID: **MW-1**				
Lab ID : TRC11061322-03A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 09:37				
Client ID: **MW-5**				
Lab ID : TRC11061322-04A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 10:00				
Client ID: **MW-4**				
Lab ID : TRC11061322-05A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 09:48				
Client ID: **MW-7**				
Lab ID : TRC11061322-06A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 10:10				
Client ID: **MW-6**				
Lab ID : TRC11061322-07A Ethanol	ND	5.0 µg/L	06/13/11	06/13/11
Date Sampled 06/09/11 10:20				

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
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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.

6/23/11
Report Date

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ANALYTICAL REPORT

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

Attn: Jonathan Scheiner
Phone: (925) 688-2473
Fax: (925) 688-0388
Date Received : 06/11/11

Job: Quik Stop 56

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

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-2**					
Lab ID :	TRC11061322-01A	TPH-P (GRO)	ND	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 10:32	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	0.92	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11
Client ID :	**MW-3**					
Lab ID :	TRC11061322-02A	TPH-P (GRO)	ND	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 10:40	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11
Client ID :	**MW-1**					
Lab ID :	TRC11061322-03A	TPH-P (GRO)	0.24	0.10 mg/L	06/17/11	06/17/11
Date Sampled	06/09/11 09:37	Tertiary Butyl Alcohol (TBA)	1,700	10 µg/L	06/17/11	06/17/11
		Methyl tert-butyl ether (MTBE)	500	0.50 µg/L	06/17/11	06/17/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/17/11	06/17/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/17/11	06/17/11
		Benzene	ND	0.50 µg/L	06/17/11	06/17/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/17/11	06/17/11
		Toluene	ND	0.50 µg/L	06/17/11	06/17/11
		Ethylbenzene	ND	0.50 µg/L	06/17/11	06/17/11
		Xylenes, Total	ND	0.50 µg/L	06/17/11	06/17/11

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Client ID :	**MW-5**					
Lab ID :	TRC11061322-04A	TPH-P (GRO)	ND	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 10:00	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11
Client ID :	**MW-4**					
Lab ID :	TRC11061322-05A	TPH-P (GRO)	0.32	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 09:48	Tertiary Butyl Alcohol (TBA)	350	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	2.0	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11
Client ID :	**MW-7**					
Lab ID :	TRC11061322-06A	TPH-P (GRO)	ND	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 10:10	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	51	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11
Client ID :	**MW-6**					
Lab ID :	TRC11061322-07A	TPH-P (GRO)	ND	0.050 mg/L	06/15/11	06/15/11
Date Sampled	06/09/11 10:20	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/15/11	06/15/11
		Methyl tert-butyl ether (MTBE)	39	0.50 µg/L	06/15/11	06/15/11
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/15/11	06/15/11
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/15/11	06/15/11
		Benzene	ND	0.50 µg/L	06/15/11	06/15/11
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/15/11	06/15/11
		Toluene	ND	0.50 µg/L	06/15/11	06/15/11
		Ethylbenzene	ND	0.50 µg/L	06/15/11	06/15/11
		Xylenes, Total	ND	0.50 µg/L	06/15/11	06/15/11

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Gasoline Range Organics (GRO) C4-C13

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

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6/23/11

Report Date

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VOC Sample Preservation Report

Work Order: TRC11061322 **Job:** Quik Stop 56

Alpha's Sample ID	Client's Sample ID	Matrix	pH
11061322-01A	MW-2	Aqueous	2
11061322-02A	MW-3	Aqueous	2
11061322-03A	MW-1	Aqueous	2
11061322-04A	MW-5	Aqueous	2
11061322-05A	MW-4	Aqueous	2
11061322-06A	MW-7	Aqueous	2
11061322-07A	MW-6	Aqueous	2

6/23/11

Report Date

Alpha Analytical, Inc.

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Date: 21-Jun-11

QC Summary Report

Work Order: 11061322

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\110613\11061309.D** Batch ID: **26710** Analysis Date: **06/13/2011 15:27**

Sample ID: **MBLK-26710** Units : **µg/L** Run ID: **MSD_11_110613A** Prep Date: **06/13/2011 13:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	566		500		113	61	134			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\110613\11061305.D** Batch ID: **26710** Analysis Date: **06/13/2011 14:11**

Sample ID: **LCS-26710** Units : **µg/L** Run ID: **MSD_11_110613A** Prep Date: **06/13/2011 13:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	275	5	250		110	62	150			
Surr: Hexafluoro-2-propanol	559		500		112	61	134			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\110613\11061307.D** Batch ID: **26710** Analysis Date: **06/13/2011 14:48**

Sample ID: **11061320-02AMS** Units : **µg/L** Run ID: **MSD_11_110613A** Prep Date: **06/13/2011 13:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	307	5	250	0	123	56	153			
Surr: Hexafluoro-2-propanol	567		500		113	61	134			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\110613\11061308.D** Batch ID: **26710** Analysis Date: **06/13/2011 15:07**

Sample ID: **11061320-02AMSD** Units : **µg/L** Run ID: **MSD_11_110613A** Prep Date: **06/13/2011 13:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	310	5	250	0	124	56	153	307.3	0.9(40)	
Surr: Hexafluoro-2-propanol	565		500		113	61	134			

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: *21-Jun-11*

QC Summary Report

Work Order: 11061322

Method Blank

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

File ID: **11061507.D** Batch ID: **MS12W0615B** Analysis Date: **06/15/2011 11:20**

Sample ID: **MBLK MS12W0615B** Units : **mg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 11:20**

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	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.01		0.01		100	70	130			
Surr: 4-Bromofluorobenzene	0.00977		0.01		98	70	130			

Laboratory Control Spike

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

File ID: **11061505.D** Batch ID: **MS12W0615B** Analysis Date: **06/15/2011 10:34**

Sample ID: **GLCS MS12W0615B** Units : **mg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 10:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.398	0.05	0.4		99.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.0097		0.01		97	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.0107		0.01		107	70	130			

Sample Matrix Spike

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

File ID: **11061517.D** Batch ID: **MS12W0615B** Analysis Date: **06/15/2011 15:09**

Sample ID: **11061404-02AGS** Units : **mg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 15:09**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.83	0.25	2	0	92	51	144			
Surr: 1,2-Dichloroethane-d4	0.0505		0.05		101	70	130			
Surr: Toluene-d8	0.049		0.05		98	70	130			
Surr: 4-Bromofluorobenzene	0.0554		0.05		111	70	130			

Sample Matrix Spike Duplicate

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

File ID: **11061518.D** Batch ID: **MS12W0615B** Analysis Date: **06/15/2011 15:32**

Sample ID: **11061404-02AGSD** Units : **mg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 15:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.8	0.25	2	0	90	51	144	1.832	1.5(29)	
Surr: 1,2-Dichloroethane-d4	0.0509		0.05		102	70	130			
Surr: Toluene-d8	0.0498		0.05		99.7	70	130			
Surr: 4-Bromofluorobenzene	0.0535		0.05		107	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: 21-Jun-11

QC Summary Report

Work Order: 11061322

Method Blank

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

File ID: **11061507.D** Batch ID: **MS12W0615A** Analysis Date: **06/15/2011 11:20**

Sample ID: **MBLK MS12W0615A** Units : **µg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 11:20**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Tertiary Butyl Alcohol (TBA)	ND	10								
Methyl tert-butyl ether (MTBE)	ND	0.5								
Di-isopropyl Ether (DIPE)	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
Xylenes, Total	ND	0.5								
Surr: 1,2-Dichloroethane-d4	10.1		10		101	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	9.77		10		98	70	130			

Laboratory Control Spike

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

File ID: **11061506.D** Batch ID: **MS12W0615A** Analysis Date: **06/15/2011 10:57**

Sample ID: **LCS MS12W0615A** Units : **µg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 10:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.57	0.5	10		96	65	140			
Benzene	8.88	0.5	10		89	70	130			
Toluene	8.49	0.5	10		85	80	120			
Ethylbenzene	9.26	0.5	10		93	80	120			
Xylenes, Total	18	0.5	20		90	70	130			
Surr: 1,2-Dichloroethane-d4	10.7		10		107	70	130			
Surr: Toluene-d8	9.85		10		99	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

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

File ID: **11061515.D** Batch ID: **MS12W0615A** Analysis Date: **06/15/2011 14:24**

Sample ID: **11061404-02AMS** Units : **µg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 14:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	78.9	1.3	50	25.34	107	47	150			
Benzene	45.9	1.3	50	0	92	59	138			
Toluene	42.7	1.3	50	0	85	68	130			
Ethylbenzene	49.5	1.3	50	0	99	68	130			
Xylenes, Total	96	1.3	100	0	96	70	130			
Surr: 1,2-Dichloroethane-d4	54.6		50		109	70	130			
Surr: Toluene-d8	46.3		50		93	70	130			
Surr: 4-Bromofluorobenzene	52.6		50		105	70	130			

Sample Matrix Spike Duplicate

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

File ID: **11061516.D** Batch ID: **MS12W0615A** Analysis Date: **06/15/2011 14:46**

Sample ID: **11061404-02AMSD** Units : **µg/L** Run ID: **MSD_12_110615A** Prep Date: **06/15/2011 14:46**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	80.9	1.3	50	25.34	111	47	150	78.85	2.6(40)	
Benzene	45.5	1.3	50	0	91	59	138	45.88	0.8(21)	
Toluene	43.1	1.3	50	0	86	68	130	42.69	1.0(20)	
Ethylbenzene	48	1.3	50	0	96	68	130	49.51	3.1(20)	
Xylenes, Total	94.8	1.3	100	0	95	70	130	96.04	1.3(20)	
Surr: 1,2-Dichloroethane-d4	56.6		50		113	70	130			
Surr: Toluene-d8	47.6		50		95	70	130			
Surr: 4-Bromofluorobenzene	53		50		106	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.

Billing Information:
Name TRC
Address 1590 Solano Way Suite A
City, State, Zip Concord, CA 94520
Phone Number 925-688-1200 Fax 925-688-0388

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 ____

19080

Page # 1 of 1

Client Name TRC	P.O. # 34191	Job # Quik Stop 56
Address 1590 Solano Way Suite A	EMail Address jscheiner@trcsolutions.com	
City, State, Zip Concord, CA 94520	Phone # 925-688-1200	Fax # 925-688-0388

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by JOE LEWIS / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	TPH-S by 8260B	BTEX/MTBE/5 OXYS by 8260B	Ethanol by 8260B	Required QC Level? I II III IV	REMARKS
1032	6/9/11	OT	TRC11061322-01	MW-2	STD	N/A	G-V	X	X	X	EDD / EDF? YES ✓ NO	Send edf to
1040			02	MW-3							Global ID # T0601977175	Jonathan Scheiner
0937			03	MW-1								at jscheiner@trcsolutions.com
1000			04	MW-5								
0948			05	MW-4								
1010			06	MW-7								
1020	↓	↓	07	MW-6	↓	↓	↓	↓	↓	↓		

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Joe D. Lewis	JOE D. LEWIS	TRC	06/09/11	1400
Received by	Lisa deSilva	LISA DESILVA	ALPHA	6-10-11	10:30
Relinquished by	Lisa deSilva	LISA DESILVA	ALPHA	6-10-11	1530
Received by	K Murray	K Murray	ASI	6/13/11	1000
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.

Billing Information:
Name TRC
Address 1590 Solano Way Suite A
City, State, Zip Concord, CA 94520
Phone Number 925-688-1200 Fax 925-688-0388

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 ____

19080

Page # 1 of 1

Client Name TRC	P.O. # 34191	Job # Quik Stop 56
Address 1590 Solano Way Suite A	EMail Address jscheiner@trcsolutions.com	
City, State, Zip Concord CA 94520	Phone # 925-688-1200	Fax # 925-688-0388

Sampled by JOE LEWIS
Report Attention Jonathan Scheiner

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-g by 8260B	BTEX/MTBE/5 OXYS by 8260B	Ethanol by 8260B					REMARKS
1032	6/9/11	OT		MW-2	STD	N/A	6-V	X	X	X					Send edf to
1040				MW-3											Jonathan Scheiner
0937				MW-1											at jscheiner@trcsolutions.com
1000				MW-5											
0948				MW-4											
1010				MW-7											
1020	↓	↓		MW-6	↓	↓	↓	↓	↓	↓					

Required QC Level? I II III IV

EDD / EDF? YES ✓ NO ____

Global ID # T0600197415

Analyses Required

ADDITIONAL INSTRUCTIONS:

Signature	Print Name	Company	Date	Time
Relinquished by	JOE O. LEWIS	TRC	06/09/11	1400
Received by	LISA DESILVA	ALPHA	6-10-11	10:30
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.

Billing Information :

Windsor, CT.

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 : TRC11061322

Report Due By : 5:00 PM On : 24-Jun-11

Report Attention	Phone Number	EMail Address
Jonathan Scheiner	(925) 688-2473 x 236	jscheiner@trcsolutions.com

Client:
TRC-Alton Geoscience
1590 Solano Way Suite A

Concord, CA 94520

PO : 34191

Client's COC # : 19080 Job : Quik Stop 56

EDD Required : **Yes**

Sampled by : Joe Lewis

Cooler Temp	Samples Received	Date Printed
0 °C	11-Jun-11	**13-Jun-11**

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
TRC11061322-01A	MW-2	AQ	06/09/11 10:32	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-02A	MW-3	AQ	06/09/11 10:40	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-03A	MW-1	AQ	06/09/11 09:37	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-04A	MW-5	AQ	06/09/11 10:00	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-05A	MW-4	AQ	06/09/11 09:48	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-06A	MW-7	AQ	06/09/11 10:10	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	
TRC11061322-07A	MW-6	AQ	06/09/11 10:20	6	0	9	Low Level EtOH	GAS-C	BTEX/OXY_C	

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples received 6/11/11 kept cold and secure until login on 6/13/11. Total Xylenes. ;

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	**Alpha Analytical, Inc.**	6/13/11 1000

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