1590 Solano Way
#A
Concord, CA 94520

925.688.1200 PHONE
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January 30, 2009

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, FOURTH QUARTER 2008

Dear Mr. Plunkett:

Enclosed is a copy of the *Fourth 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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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 2008

Dear Mr. Karvelot:

This *Fourth Quarter 2008 Quarterly Groundwater Monitoring Report* presents the results of the Fourth 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 November 25, 2008. Groundwater elevations averaged 126.66 feet above mean sea level (MSL). Groundwater flow direction was to the southwest at a gradient of 0.129 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 November 25, 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 33 gallons of purge water and equipment rinsate were generated during groundwater sampling activities conducted on November 25, 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, November 25, 2008
Figure 3:	Dissolved-Phase Hydrocarbon Concentrations, November 25, 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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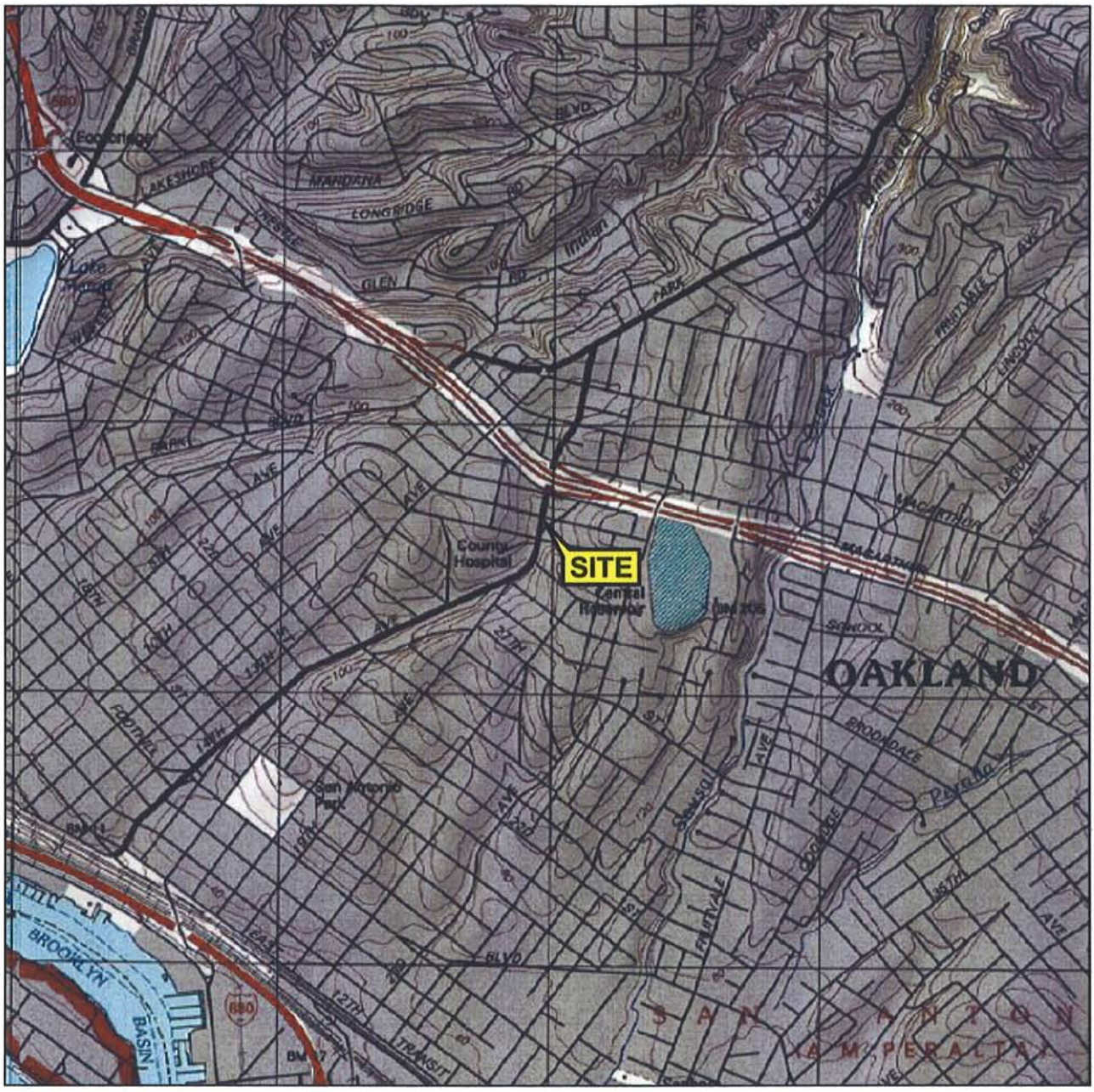
FIGURES



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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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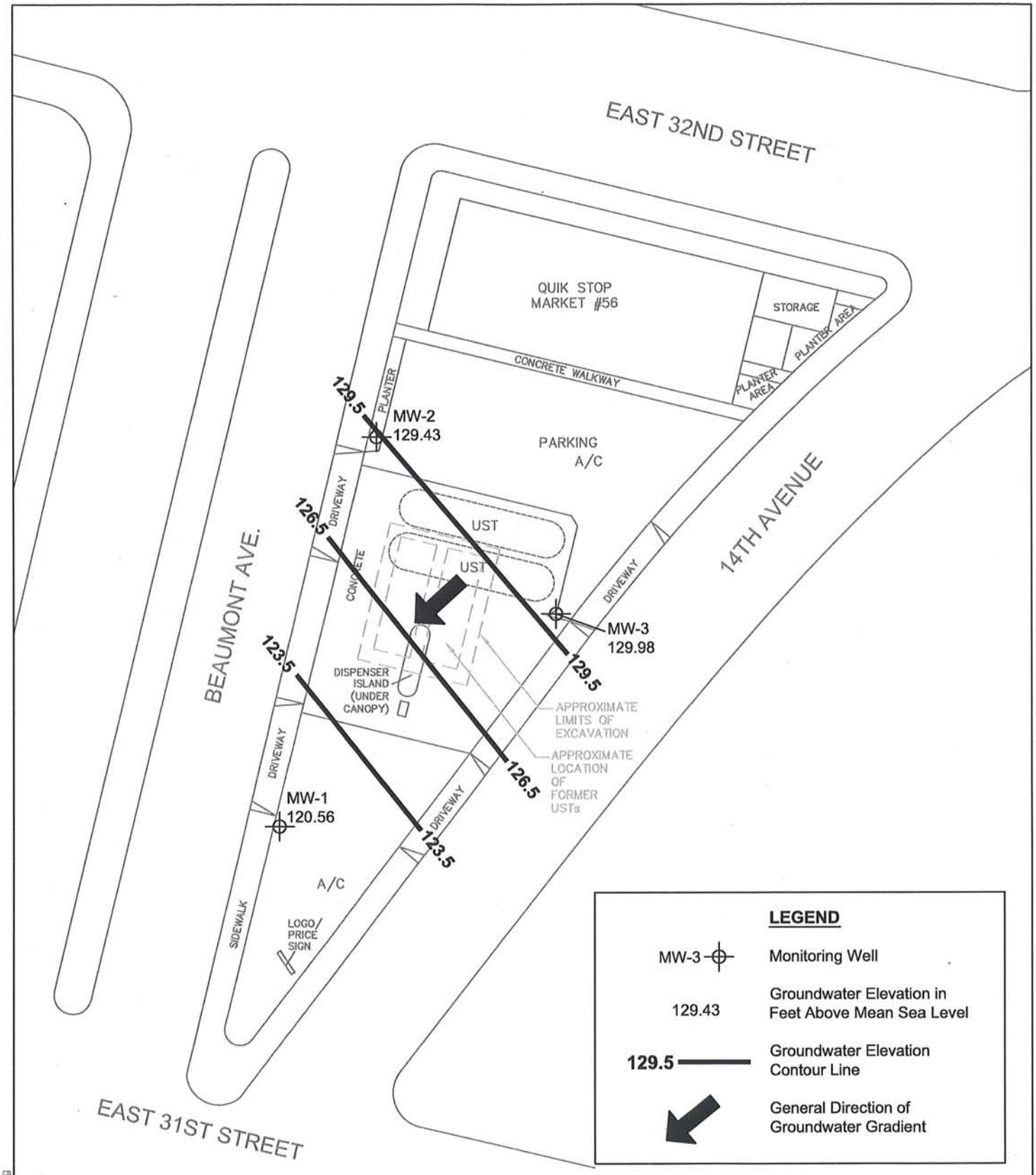
FIGURE 1



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
November 25, 2008

Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

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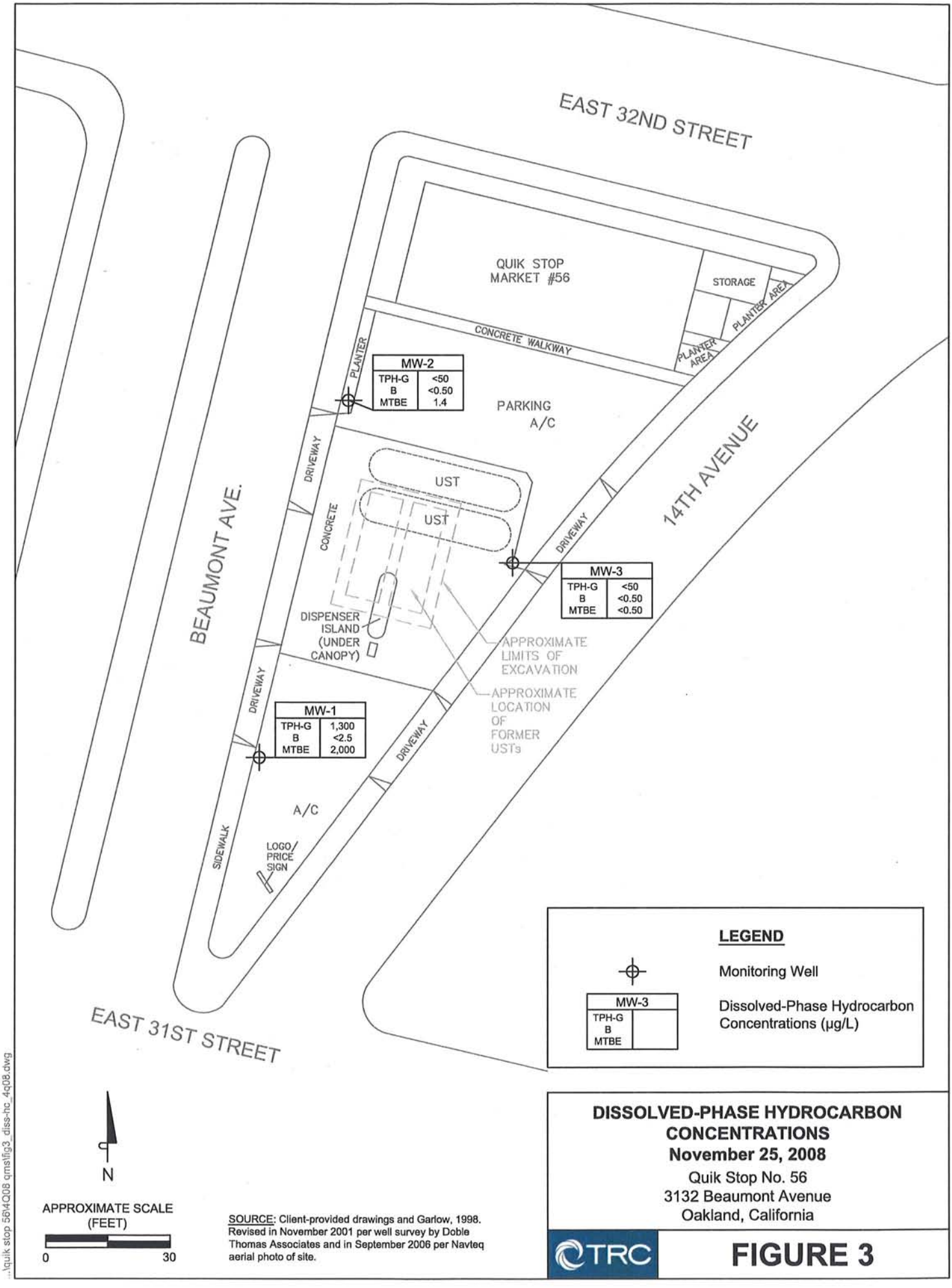
FIGURE 2

...\quik stop 56\4Q08 qms\fig2_gw_4q08.dwg



DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
November 25, 2008
Quik Stop No. 56
3132 Beaumont Avenue
Oakland, California

TRC

FIGURE 3

.\quik stop 56\4Q08 qmsf\fig3_diss-hc_4q08.dwg

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-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-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

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	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-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	—	—

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	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	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	—
MW-3	11/25/08	136.35	6.37	129.98	<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.

TRC Alton Geoscience, Northern California Operations

FLUID MEASUREMENT FIELD FORM

Project No.: 158630 TRC Alton Personnel: JOE L.

Station No.: QUIK STOP # 56 Date: 11-25-08

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		5.73				30.02		
MW-3		6.37				30.63		
MW-1		13.57				30.15		

TRC Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: Quik Stop #56 Project No.: 158630 Sampled By: JOE L. Date: 11-25-08

Well No. MW-2
Total Depth (feet) 30.02
Depth to Water (feet): 5.73
Water Column (feet): 24.29
80% Recharge Depth (feet): 10.58
Purge Method: DIA
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0629			4	1285	17.9	7.61
			8	1303	18.8	7.28
	0635		12	1311	19.0	7.03
	Total Purged		12	Time Sampled		0742

Comments:
Turbidity=

Well No. MW-3
Total Depth (feet) 30.63
Depth to Water (feet): 6.37
Water Column (feet): 24.26
80% Recharge Depth (feet): 11.22
Purge Method: DIA
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0651			4	939.6	17.8	6.92
			8	1026	19.2	6.65
	0654		12	1017	19.9	6.51
	Total Purged		12	Time Sampled		0755

Comments:
Turbidity=

Well No. MW-1
Total Depth (feet) 30.15
Depth to Water (feet): 13.57
Water Column (feet): 16.58
80% Recharge Depth (feet): 16.88
Purge Method: DIA
Depth to Product (feet): —
Product Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0705			3	912.4	18.7	6.55
			6	995.2	19.6	6.15
	0708		9	1033	20.0	6.03
	Total Purged		9	Time Sampled		0805

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 : 11/26/08

Job#: 158630-00TA06

GC/MSD by Direct Injection
EPA Method SW8260B-DI

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : **MW-2**					
Lab ID : TRC08112643-01A	Ethanol	ND	5.0 µg/L	11/25/08	12/01/08
Client ID : **MW-3**					
Lab ID : TRC08112643-02A	Ethanol	ND	5.0 µg/L	11/25/08	12/01/08
Client ID : **MW-1**					
Lab ID : TRC08112643-03A	Ethanol	ND	5.0 µg/L	11/25/08	12/01/08

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

12/10/08
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 : 11/26/08

Job#: 158630-00TA06

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	11/25/08	11/29/08
MW-2	Methyl tert-butyl ether (MTBE)	1.4		0.50 µg/L	11/25/08	11/29/08
Lab ID :	Benzene	ND		0.50 µg/L	11/25/08	11/29/08
TRC08112643-01A	Toluene	ND		0.50 µg/L	11/25/08	11/29/08
	Ethylbenzene	ND		0.50 µg/L	11/25/08	11/29/08
	Xylenes, Total	ND		0.50 µg/L	11/25/08	11/29/08
Client ID :	TPH-P (GRO)	ND		0.050 mg/L	11/25/08	11/29/08
MW-3	Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	11/25/08	11/29/08
Lab ID :	Benzene	ND		0.50 µg/L	11/25/08	11/29/08
TRC08112643-02A	Toluene	ND		0.50 µg/L	11/25/08	11/29/08
	Ethylbenzene	ND		0.50 µg/L	11/25/08	11/29/08
	Xylenes, Total	ND		0.50 µg/L	11/25/08	11/29/08
Client ID :	TPH-P (GRO)	1.3		0.50 mg/L	11/25/08	11/29/08
MW-1	Methyl tert-butyl ether (MTBE)	2,000		2.5 µg/L	11/25/08	11/29/08
Lab ID :	Benzene	ND	V	2.5 µg/L	11/25/08	11/29/08
TRC08112643-03A	Toluene	ND	V	2.5 µg/L	11/25/08	11/29/08
	Ethylbenzene	ND	V	2.5 µg/L	11/25/08	11/29/08
	Xylenes, Total	ND	V	2.5 µg/L	11/25/08	11/29/08

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@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.

12/10/08
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: TRC08112643 **Project:** 158630-00TA06

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08112643-01A	MW-2	Aqueous	2
08112643-02A	MW-3	Aqueous	2
08112643-03A	MW-1	Aqueous	2

12/10/08

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: 09-Dec-08

QC Summary Report

Work Order: 08112643

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\081201\08120109.D** Batch ID: **21115** Analysis Date: **12/01/2008 12:57**

Sample ID: **MBLK-21115** Units : **µg/L** Run ID: **MSD_11_081201A** Prep Date: **12/01/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	447		500		89	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\081201\08120105.D** Batch ID: **21115** Analysis Date: **12/01/2008 11:34**

Sample ID: **LCS-21115** Units : **µg/L** Run ID: **MSD_11_081201A** Prep Date: **12/01/2008**

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	458		500		92	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\081201\08120107.D** Batch ID: **21115** Analysis Date: **12/01/2008 12:16**

Sample ID: **08112447-04AMS** Units : **µg/L** Run ID: **MSD_11_081201A** Prep Date: **12/01/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	291	5	250	0	116	67	133			
Surr: Hexafluoro-2-propanol	476		500		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\081201\08120108.D** Batch ID: **21115** Analysis Date: **12/01/2008 12:37**

Sample ID: **08112447-04AMSD** Units : **µg/L** Run ID: **MSD_11_081201A** Prep Date: **12/01/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Ethanol	295	5	250	0	118	67	133	290.9	1.5(20)	
Surr: Hexafluoro-2-propanol	462		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: *09-Dec-08*

QC Summary Report

Work Order: 08112643

Method Blank

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112838.D** Batch ID: **MS07W1128D** Analysis Date: **11/28/2008 21:45**

Sample ID: **MBLK MS07W1128D** Units : **mg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

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	0.00975		0.01		98	75	128			
Surr: Toluene-d8	0.0103		0.01		103	80	120			
Surr: 4-Bromofluorobenzene	0.00956		0.01		96	80	120			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112836.D** Batch ID: **MS07W1128D** Analysis Date: **11/28/2008 21:01**

Sample ID: **GLCS MS07W1128D** Units : **mg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.406	0.05	0.4		101	70	130			
Surr: 1,2-Dichloroethane-d4	0.0097		0.01		97	75	128			
Surr: Toluene-d8	0.01		0.01		100	80	120			
Surr: 4-Bromofluorobenzene	0.00941		0.01		94	80	120			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112842.D** Batch ID: **MS07W1128D** Analysis Date: **11/28/2008 23:13**

Sample ID: **08112620-01AGS** Units : **mg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.11	0.25	2	0.3518	88	60	131			
Surr: 1,2-Dichloroethane-d4	0.0467		0.05		93	75	128			
Surr: Toluene-d8	0.0507		0.05		101	80	120			
Surr: 4-Bromofluorobenzene	0.047		0.05		94	80	120			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112843.D** Batch ID: **MS07W1128D** Analysis Date: **11/28/2008 23:35**

Sample ID: **08112620-01AGSD** Units : **mg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.26	0.25	2	0.3518	95	60	131	2.106	7.1(20)	
Surr: 1,2-Dichloroethane-d4	0.0474		0.05		95	75	128			
Surr: Toluene-d8	0.0499		0.05		99.9	80	120			
Surr: 4-Bromofluorobenzene	0.0464		0.05		93	80	120			

Comments:

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Date: 09-Dec-08

QC Summary Report

Work Order: 08112643

Method Blank

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112838.D** Batch ID: **MS07W1128C** Analysis Date: **11/28/2008 21:45**

Sample ID: **MBLK MS07W1128C** Units : **µg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

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	9.75		10		98	75	128			
Surr: Toluene-d8	10.3		10		103	80	120			
Surr: 4-Bromofluorobenzene	9.56		10		96	80	120			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112834.D** Batch ID: **MS07W1128C** Analysis Date: **11/28/2008 20:17**

Sample ID: **LCS MS07W1128C** Units : **µg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.35	0.5	10		94	70	130			
Benzene	11.2	0.5	10		112	70	130			
Toluene	9.79	0.5	10		98	80	120			
Ethylbenzene	9.6	0.5	10		96	80	120			
Xylenes, Total	20.6	0.5	20		103	70	130			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	75	128			
Surr: Toluene-d8	10.1		10		101	80	120			
Surr: 4-Bromofluorobenzene	8.91		10		89	80	120			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112840.D** Batch ID: **MS07W1128C** Analysis Date: **11/28/2008 22:29**

Sample ID: **08112620-01AMS** Units : **µg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	42.7	1.3	50	1.21	83	62	139			
Benzene	49.5	1.3	50	0	99	70	130			
Toluene	42.8	1.3	50	0	86	67	130			
Ethylbenzene	42	1.3	50	0	84	70	130			
Xylenes, Total	91	1.3	100	0	91	70	130			
Surr: 1,2-Dichloroethane-d4	48.3		50		97	75	128			
Surr: Toluene-d8	50.2		50		100	80	120			
Surr: 4-Bromofluorobenzene	45.7		50		91	80	120			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS07\DATA\081128\08112841.D** Batch ID: **MS07W1128C** Analysis Date: **11/28/2008 22:51**

Sample ID: **08112620-01AMSD** Units : **µg/L** Run ID: **MSD_07_081128A** Prep Date: **11/28/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	50.1	1.3	50	1.21	98	62	139	42.71	16.0(20)	
Benzene	53.7	1.3	50	0	107	70	130	49.53	8.0(20)	
Toluene	47.8	1.3	50	0	96	67	130	42.78	11.1(20)	
Ethylbenzene	46.1	1.3	50	0	92	70	130	42.04	9.2(20)	
Xylenes, Total	100	1.3	100	0	100	70	130	90.96	9.6(20)	
Surr: 1,2-Dichloroethane-d4	47.9		50		96	75	128			
Surr: Toluene-d8	51.1		50		102	80	120			
Surr: 4-Bromofluorobenzene	46.1		50		92	80	120			

Comments:

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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 ___

19839

Page # 1 of 1

Client Name TRC	P.O. #	Job # 158630-00TA06
Address 1590 Solano way Ste. A	EMail Address jchidester@trcsolutions.com	
City, State, Zip Concord, CA 94520	Phone # 925-688-1200	Fax # 925-688-0388

Sampled by JOE LEWIS
Report Attention James Chidester

Analyses Required

Required QC Level? I II III IV

EDD / EDF? YES ✓ NO ___
Global ID # T0601977475

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-D	BTEX	MTBE	ETOH				REMARKS
0742	11-25-08	AQ	TRC08112643-01	MW-2	STD		6V w/HCl	X	X	X	X				
0755	↓	↓	-02	MW-3	↓		↓	↓	↓	↓	↓				
0805	↓	↓	-03	MW-1	↓		↓	↓	↓	↓	↓				

ADDITIONAL INSTRUCTIONS: site @ QUIK STOP #56 oakland, CA

	Signature	Print Name	Company	Date	Time
Relinquished by	Joe D. Lewis	JOE D. LEWIS	TRC	11-25-08	1224
Received by		James Chidester	TRC	11/25/08	1224
Relinquished by		James Chidester	TRC	11/25/08	1315
Received by	Latricia Edrosa	Latricia Edrosa	Alpha	11/26/08	11:05
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.