Mr. Paresh Khatri
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California
(ACEHS Case No. RO0000175)

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) has recently prepared a *Quarterly Monitoring Report – Fourth Quarter 2010* on my behalf. The report was prepared in regards to Alameda County Fuel Leak Case No. RO0000175, located at 6600 Foothill Boulevard, Oakland, California.

I have reviewed a copy of this report, sent to me by representatives of Stratus, and "I declare, under penalty of perjury, that the information and or/recommendations contained in the attached document or report is true and correct to the best of my knowledge."

Sincerely,

Ravi Sekhon

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

January 14, 2011
Project No. 2087-6600-01

Mr. Paresh Khatri
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Groundwater Monitoring Report, Fourth Quarter 2010, for Foothill Mini Mart, located at 6600 Foothill Boulevard, Oakland, California (ACEHS Case No. RO0000175)

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, on behalf of Mr. Ravi Sekhon, to document the findings of a groundwater monitoring and sampling event conducted during the fourth quarter 2010 at the Foothill Mini Mart, located at 6600 Foothill Boulevard, Oakland, California (Figure 1). This report has been prepared in compliance with Alameda County Environmental Health Services (ACEHS) requirements for underground storage tank (UST) investigations.

If you have any questions regarding this report, please contact Scott Bittinger at (530) 676-2062.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

PROFESSIONAL GEOLOGIST
Scott G Bittinger
No. 7477
STATE OF CALIFORNIA

Scott G. Bittinger, P.G.
Project Manager

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Groundwater Monitoring Report, Fourth Quarter 2010

cc: Mr. Ravi Sekhon
Mr. and Ms. Joseph and Maude LeBlanc

Date January 14, 2011

FOOTHILL MINI MART
GROUNDWATER MONITORING REPORT

Facility Address:	6600 Foothill Boulevard, California
Consulting Co./Contact Person:	Stratus Environmental, Inc. / Scott Bittinger, P.G.
Consultant Project No:	2087-6600-01
Primary Agency/Regulatory ID No:	Alameda County Environmental Health Department (ACEHD) / Case No. RO0000175

WORK PERFORMED THIS PERIOD (Fourth Quarter 2010):

1. Stratus monitored groundwater elevations in, and collected groundwater samples from, wells MW-1 through MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B.

2. Stratus compiled and evaluated groundwater monitoring data.

3. Stratus submitted a report titled *Feasibility Study Work Plan* on December 13, 2010. This document was prepared at the direction of ACEHD (letter dated October 14, 2010).

WORK PROPOSED FOR NEXT PERIOD (First Quarter 2011):

1. In a letter dated July 24, 2009, Alameda County Environmental Health Care Services (ACEHS) directed that all previously existing monitoring wells be gauged and sampled on a semi-annual basis and that recently installed monitoring wells be gauged and sampled on a quarterly basis for four quarters, and then switched to a semi-annual monitoring program. Many of the site monitoring wells (MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B) were installed in September 2009 and initially sampled during the second quarter 2010. Given the ACEHS directive, these 8 wells will be sampled during the first quarter 2011, which will be the fourth sampling event completed since installation. Following the first quarter 2011 well sampling event, all of the site wells will be sampled on a semi-annual basis, as directed by the July 24, 2009 letter.

2. Pending ACEHD concurrence with the scope of work presented in the December 13, 2010 *Work Plan*, Stratus will initiate implementation of these activities.

Current Phase of Project:	Monitoring/Assessment; Proposed Remediation Pilot Testing
Frequency of Groundwater Sampling:	Wells MW-1 through MW-6 : Semi-Annually Wells MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B : Quarterly until initial 4 sampling events completed, then semi-annually
Frequency of Groundwater Monitoring:	All Wells : Quarterly (*Semi-Annual following 1st Qtr. 2011*)
Groundwater Sampling Date:	December 8, 2010
Is Free Product (FP) Present on Site:	No
Approx. Depth to Groundwater (Upper):	5.15 to 13.60 feet below top of well casing

Approx. Depth to Groundwater (Lower):	13.95 to 39.82 feet below top of well casing
Groundwater Flow Direction (Upper):	South-southeast
Approximate Groundwater Gradient (Upper):	0.02 to 0.04 ft/ft
Groundwater Flow Direction (Lower):	Not calculated
Approximate Groundwater Gradient (Lower):	Not calculated

DISCUSSION:

On December 8, 2010, Stratus conducted quarterly groundwater monitoring and sampling activities at the site. During this event, wells MW-1 through MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B were monitored, purged and sampled. Groundwater samples were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), ethanol, and methanol by EPA Method SW8260B. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B, and C, respectively. Analytical results of sampled wells and depth to groundwater measurements have been uploaded to the State of California's GeoTracker database. Documentation of these data uploads is attached in Appendix D.

Shallow Screened Well Network

Depth to groundwater in the monitoring wells ranged from 5.15 to 13.60 feet below the top of the well casing. Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). South-southeast directions of groundwater flow were observed in the site vicinity, using the December 8, 2010 groundwater level measurements, with groundwater gradients ranging from approximately 0.02 to 0.04 ft/ft.

Groundwater beneath the site is impacted with GRO, BTEX, MTBE, and TBA. During fourth quarter 2010, GRO was detected in eight of the eleven sampled wells (MW-1, MW-3, MW-4, MW-5, MW-6, MW-11, MW-12A, and MW-13A), with maximum concentrations reported in offsite downgradient well MW-6 (6,200 micrograms per liter (µg/L)). Benzene was detected in only MW-6 (90 µg/L) and MW-13A (0.63 µg/L), and MTBE was reported in MW-1 (300 µg/L), MW-2 (21 µg/L), MW-3 (6.6 µg/L), MW-4 (7.6 µg/L), MW-5 (5.9 µg/L), MW-6 (420 µg/L), MW-7 (7.6 µg/L), MW-11 (96 µg/L), MW-12A (300 µg/L) and MW-13A (15 µg/L). Figures 4 through 7 illustrate the interpreted lateral extent of GRO, benzene, MTBE, and TBA distribution in shallow groundwater, respectively, using data collected on December 8, 2010. The figures illustrate that GRO and MTBE impact extends across the largest area of the site vicinity, with the benzene plume a much smaller area of the site. The GRO, MTBE, and TBA plumes extend at least 200 feet southeast of the UST area of the Foothill Mini Mart. Given this observation, the highest concentrations of GRO, benzene, and MTBE are situated offsite, across Foothill Boulevard and southeast of the former UST.

Deeper Screened Well Network

Depth to groundwater in the monitoring wells ranged from 13.95 to 39.82 feet below the top of the well casing. Groundwater elevations are depicted on Figure 3. Given the large discrepancy in groundwater elevations measured in the three deeper screened monitoring wells, an evaluation of groundwater flow direction at this depth in the subsurface does not appear appropriate using the current data set.

Analytical results of GRO, benzene, MTBE, and TBA for groundwater samples collected from the deeper screened wells during the fourth quarter 2010 are presented on Figure 8. No concentrations of any analytes sampled were reported during the fourth quarter 2010, with the exception of very small

concentrations of MTBE (1.6 micrograms per liter (µg/L)). Given the available data set, the vertical extent of contaminant distribution in groundwater appears adequately characterized.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical Results for Oxygenates and Additives
- Table 3 Drilling and Well Construction Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map, Shallow Screened Wells (Fourth Quarter 2010)
- Figure 3 Groundwater Elevation Map, Deep Screened Wells (Fourth Quarter 2010)
- Figure 4 GRO Iso-Concentration Contour Map, Shallow Screened Wells (Fourth Quarter 2010)
- Figure 5 Benzene Iso-Concentration Contour Map, Shallow Screened Wells (Fourth Quarter 2010)
- Figure 6 MTBE Iso-Concentration Contour Map, Shallow Screened Wells (Fourth Quarter 2010)
- Figure 7 TBA Iso-Concentration Contour Map, Shallow Screened Wells (Fourth Quarter 2010)
- Figure 8 Groundwater Analytical Summary, Deep Screened Wells (Fourth Quarter 2010)
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Information

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
SHALLOW WELLS										
MW-1	06/13/01	9.36	100*	90.64	ND	ND	ND	ND	ND	130
	03/21/02	7.96	100*	92.04	95	ND	ND	ND	ND	72.5
	07/09/02	8.51	100*	91.49	ND	ND	ND	ND	ND	208
	07/11/03	8.66	160.25	151.59	ND	0.7	ND	ND	1.2	636
	11/13/03	8.10	160.25	152.15	<5,000	ND	ND	ND	ND	72,000
	02/19/04	8.24	160.25	152.01	1,350	460	ND	ND	ND	82,000
	05/21/04	8.51	160.25	151.74	ND	<50	<50	<50	<100	12,000
	08/11/05	8.34	160.25	151.91	ND	ND	ND	ND	ND	4,900
	11/30/05	9.86	160.25	150.39	<250	<2.5	<2.5	<2.5	<2.5	8,400
	08/08/08	10.62	60.02	49.40	390	<1.5	<1.5	<1.5	<1.5	720
	11/05/08	10.78	60.02	49.24	350	<5.0	<10	<10	<10	580
	02/06/09	9.05	60.02	50.97	150	<1.5	<1.5	<1.5	<1.5	610
	05/07/09	6.76	60.02	53.26	420	<0.50	<0.50	<0.50	<0.50	210
	06/01/10	7.58	60.02	52.44	190	<0.50	<0.50	<0.50	<0.50	170
	09/07/10	11.33	60.02	48.69			Not Scheduled for Sampling			
	12/08/10	10.61	60.02	49.41	150	<0.50	<0.50	<0.50	<0.50	300
MW-2	06/13/01	10.44	98.71*	88.27	5,800	160	210	290	980	94,000
	03/21/02	8.18	98.71*	90.53	452	3.4	ND	1.6	2.1	79,100
	07/09/02	8.35	98.71*	90.36	497	61.6	ND	ND	1.6	37,600
	07/11/03	7.58	158.97	151.39	553	48.9	ND	ND	ND	38,200
	11/13/03	8.01	158.97	150.96	<2,500	NS	ND	ND	ND	47,000
	02/19/04	6.43	158.97	152.54	4,390	410	265	160	490	26,700
	05/21/04	6.83	158.97	152.14	1,150	254	<200	<200	<400	24,600
	08/11/05	7.31	158.97	151.66	91	ND	1.1	ND	ND	6,500
	11/30/05	7.98	158.97	150.99	69	ND	1.4	ND	ND	2,300
	08/08/08	7.19	58.74	51.55	300	<9.0	<9.0	<9.0	<9.0	9.8
	11/05/08	7.14	58.74	51.60	510	<0.50	<1.0	<1.0	<1.0	12
	02/06/09	6.92	58.74	51.82	50	<4.0	<4.0	<4.0	<4.0	10
	05/07/09	6.53	58.74	52.21	860	<4.0	<4.0	<4.0	<4.0	9.7
	06/01/10	9.15	58.74	49.59	<1,000 [3]	<5.0 [3]	<5.0 [3]	<5.0 [3]	<5.0 [3]	69
	09/07/10	9.69	58.74	49.05			Not Scheduled for Sampling			
	12/08/10	8.34	58.74	50.40	<1,000 [3]	<5.0 [3]	<5.0 [3]	<5.0 [3]	<5.0 [3]	21

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-3	06/13/01	9.69	99.90*	90.21	300	1	ND	0.07	2	450
	03/21/02	8.80	99.90*	91.10	274	1.1	ND	1	2.5	7,520
	07/09/02	9.33	99.90*	90.57	ND	ND	ND	ND	ND	40.8
	07/11/03	9.35	160.17	150.82	ND	ND	ND	ND	ND	24
	11/13/03	8.85	160.17	151.32	ND	ND	ND	ND	ND	37
	02/19/04	8.46	160.17	151.71	83	ND	ND	ND	ND	42.7
	05/21/04	9.09	160.17	151.08	ND	ND	ND	ND	ND	54
	08/11/05	8.87	160.17	151.30	ND	ND	ND	ND	ND	27
	11/30/05	9.73	160.17	150.44	ND	ND	ND	ND	ND	28
	08/08/08	9.64	59.94	50.30	99	<0.50	<0.50	<0.50	<0.50	4.5
	11/05/08	9.33	59.94	50.61	55	<0.50	<1.0	<1.0	<1.0	4.5
	02/06/09	9.37	59.94	50.57	100	<0.50	<0.50	<0.50	<0.50	5.3
	05/07/09	8.98	59.94	50.96	410	<0.50	<0.50	<0.50	<0.50	5.5
	06/01/10	9.82	59.94	50.12	<50	<0.50	<0.50	<0.50	<0.50	5.1
	09/07/10	10.88	59.94	49.06	Not Scheduled for Sampling					
	12/08/10	9.82	59.94	50.12	53	<0.50	<0.50	<0.50	<0.50	6.6
MW-4	07/09/02	8.14	98.19*	90.05	9,680	43	17	369	1,990	28,300
	07/11/03	6.73	158.42	151.69	3,170	16.5	6.4	71.7	240	16,600
	11/13/03	6.54	158.42	151.88	<1,000	49	ND	340	900	16,000
	02/19/04	4.37	158.42	154.05	7,230	107	7	497	1,063	14,300
	05/21/04	5.79	158.42	152.63	9,340	194	ND	309	860	7,380
	08/11/05	6.65	158.42	151.77	3,000	15	24	87	190	1,200
	11/30/05	6.05	158.42	152.37	4,300	18	28	84	130	340
	08/08/08	5.91	58.19	52.28	3,600	0.53	0.61	5.6	1.5	24
	11/05/08	5.33	58.19	52.86	2,000	0.58	<1.0	6.8	1.2	31
	02/06/09	5.15	58.19	53.04	3,400	0.81	<0.50	10	1.2	39
	05/07/09	4.86	58.19	53.33	4,500	0.73	<0.50	7.4	1.2	29
	06/01/10	6.00	58.19	52.19	3,300	<1.0 [3]	<1.0 [3]	4.1	<1.0 [3]	9.4
	09/07/10	Inaccessible for monitoring; not scheduled for sampling								
	12/08/10	5.75	58.19	52.44	3,800	<1.0 [3]	<1.0 [3]	7.3	<1.0 [3]	7.6

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Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-5	07/09/02	8.16	97.81*	89.65	275	30.2	ND	ND	3	18,600
	07/11/03	7.94	158.03	150.09	890	10	0.6	ND	7.1	5,090
	11/13/03	7.41	158.03	150.62	<1,000	ND	ND	ND	ND	3,400
	02/19/04	6.14	158.03	151.89	1,310	ND	0.7	ND	2.2	438
	05/21/04	7.42	158.03	150.61	1,960	9.7	0.7	ND	ND	214
	08/11/05	7.67	158.03	150.36	410 [2]	ND	3.3	ND	ND	100
	11/30/05	8.51	158.03	149.52	240 [2]	ND	1.8	ND	1.4	82
	08/08/08	7.59	57.80	50.21	1,900	<0.50	<0.50	<0.50	4.0	8.6
	11/05/08	6.91	57.80	50.89	1,600	<0.50	<1.0	<1.0	1.1	4.8
	02/06/09	6.98	57.80	50.82	680	<0.50	<0.50	<0.50	2.2	5.5
	05/07/09	6.43	57.80	51.37	1,900	0.72	0.91	<0.50	2.3	4.3
	06/01/10	8.15	57.80	49.65	1,000	<0.50	<0.50	<0.50	<0.50	4.3
	09/07/10	9.37	57.80	48.43	Not Scheduled for Sampling					
	12/08/10	7.78	57.80	50.02	200	<0.50	<0.50	<0.50	<0.50	5.9
MW-6	07/09/02	7.45	97*	89.55	12,000	432	22	637	1,740	11,300
	07/11/03	7.98	157.24	149.26	2,970	534	6.3	70.1	278	18,000
	11/13/03	7.47	157.24	149.77	<2,500	300	ND	ND	52	18,000
	02/19/04	5.09	157.24	152.15	5,340	184	5	65	127	5,310
	05/21/04	6.38	157.24	150.86	6,110	340	12.7	205	308.8	3,900
	08/11/05	6.68	157.24	150.56	6,100	470	48	23	30	3,200
	11/30/05	7.43	157.24	149.81	3,700	310	30	16	12	3,400
	08/08/08	6.23	57.01	50.78	6,500	63	2.0	42	98	230
	11/05/08	5.35	57.01	51.66	4,800	74	<5.0	23	42	340
	02/06/09	5.44	57.01	51.57	5,800	34	1.1	16	38	140
	05/07/09	4.91	57.01	52.10	5,800	32	1.2	14	37	150
	06/01/10	5.85	57.01	51.16	7,500	100	<2.5 [3]	28	48	350
	09/07/10	7.84	57.01	49.17	Not Scheduled for Sampling					
	12/08/10	5.15	57.01	51.86	6,200	90	1.1	46	53.7	420

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Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-7	06/01/10	9.74	58.66	48.92	<50	<0.50	<0.50	<0.50	<0.50	22
	09/07/10	9.74	58.66	48.92	<50	<0.50	<0.50	<0.50	<0.50	17
	12/08/10	8.95	58.66	49.71	<50	<0.50	<0.50	<0.50	<0.50	7.6
MW-10	06/01/10	8.85	61.89	53.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/07/10	11.75	61.89	50.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/08/10	13.60	61.89	48.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	06/01/10	9.74	60.97	51.23	<50	<0.50	<0.50	<0.50	<0.50	6.7
	09/07/10	11.68	60.97	49.29	59	<0.50	<0.50	<0.50	<0.50	98
	12/08/10	12.19	60.97	48.78	52	<0.50	<0.50	<0.50	<0.50	96
MW-12A	06/01/10	8.07	62.98	54.91	270	<0.50	<0.50	<0.50	<0.50	260
	09/07/10					Inaccessible				
	12/08/10	10.35	62.98	52.63	150	<0.50	<0.50	<0.50	<0.50	300
MW-13A	06/01/10	6.47	60.90	54.43	1,500	<0.50	<0.50	<0.50	<0.50	7.1
	09/07/10					Inaccessible				
	12/08/10	5.45	60.90	55.45	2,200	0.63	<0.50	<0.50	<0.50	15
DEEPER WELLS										
MW-5B	06/01/10	12.87	57.69	44.82	<50	<0.50	<0.50	<0.50	<0.50	0.70
	09/07/10	13.28	57.69	44.41	<50	<0.50	<0.50	<0.50	<0.50	1.4
	12/08/10	13.95	57.69	43.74	<50	<0.50	<0.50	<0.50	<0.50	1.6
MW-6B	06/01/10	35.75	56.71	20.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	09/07/10	37.24	56.71	19.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/08/10	39.82	56.71	16.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12B	06/01/10	37.49	62.94	25.45	<50	<0.50	<0.50	<0.50	<0.50	0.84
	09/07/10					Inaccessible				
	12/08/10	39.66	62.94	23.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)

Legend/Key:

GRO = Gasoline range organics

MTBE = Methyl tertiary butyl ether

ND= "not-detected" or below the Method Detection Limits

-- = Not available/not analyzed

ft msl = feet above mean sea level

µg/L = micrograms per liter

[1] = The TOC elevations reported in groundwater monitoring reports prior to second quarter 2010 are incorrect. The datum elevation adopted previously was revised on August 4, 2008 using the city of Oakland datum ('--D83). The revised TOC elevations are converted to mean sea level elevation and used to calculate all groundwater elevations.

[2] = Laboratory reported does not match gasoline pattern.

[3] = Reporting limits were increased due to high concentration of target analytes.

* The top of casing (TOC) elevations originally surveyed on June 31, 2001 used MW-1 as the common datum with assumed elevation of 100.00 feet above mean sea level (msl). All other TOC elevations were surveyed relative to MW-1. All of the wells were again surveyed per GeoTracker standard on July 11, 2003, by PLS Surveys Inc., a California licensed surveyor. All elevations are reported with respect to feet above mean sea level.

TABLE 2
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SHALLOW WELLS										
MW-1	06/13/01	130	--	--	--	--	--	--	--	--
	03/21/02	72.5	--	--	--	--	--	--	--	--
	07/09/02	208	--	--	--	--	--	--	--	--
	07/11/03	636	--	--	--	--	--	--	--	--
	11/13/03	72,000	22,000	--	--	--	--	--	--	--
	02/19/04	82,000	8,360	--	--	--	--	--	--	--
	05/21/04	12,000	<1,000	--	--	--	--	--	--	--
	08/11/05	4,900	--	--	--	--	--	--	--	--
	11/30/05	8,400	--	--	--	--	--	--	--	--
	08/08/08	720	7.4J	<1.5	<1.5	<1.5	<300	<15	<1.5	<1.5
	11/05/08	580	<100	<20	<20	<20	--	<1,000	--	--
	02/06/09	610	120	<1.5	<1.5	<1.5	<600	<15	--	--
	05/07/09	210	110	<0.50	<0.50	<0.50	<150	<5.0	--	--
	06/01/10	170	200	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	300	110	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-2	06/13/01	94,000	980	--	--	--	--	--	--	--
	03/21/02	79,100	--	--	--	--	--	--	--	--
	07/09/02	37,600	--	--	--	--	--	--	--	--
	07/11/03	38,200	--	--	--	--	--	--	--	--
	11/13/03	47,000	11,000	--	--	--	--	--	--	--
	02/19/04	26,700	3,930	--	--	--	--	--	--	--
	05/21/04	24,600	<4,000	--	--	--	--	--	--	--
	08/11/05	6,500	--	--	--	--	--	--	--	--
	11/30/05	2,300	--	--	--	--	--	--	--	--
	08/08/08	9.8	17,000	<9.0	<9.0	<9.0	<900	<90	<9.0	<9.0
	11/05/08	12	13,000	<2.0	<2.0	<2.0	--	<100	--	--
	02/06/09	10	11,000	<4.0	<4.0	<4.0	<400	<40	--	--
	05/07/09	9.7	12,000	<4.0	<4.0	<4.0	<400	<40	--	--
	06/01/10	69	7,300	<10 [1]	<10 [1]	<10 [1]	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	21	9,900	<10 [1]	<10 [1]	<10 [1]	<50	<5.0	--	--

TABLE 2
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-3	06/13/01	450	--	--	--	--	--	--	--	--
	03/21/02	7,520	--	--	--	--	--	--	--	--
	07/09/02	40.8	--	--	--	--	--	--	--	--
	07/11/03	24.3	--	--	--	--	--	--	--	--
	11/13/03	37	27	--	--	--	--	--	--	--
	02/19/04	42.7	508	--	--	--	--	--	--	--
	05/21/04	54	1,100	--	--	--	--	--	--	--
	08/11/05	27	--	--	--	--	--	--	--	--
	11/30/05	28	--	--	--	--	--	--	--	--
	08/08/08	4.5	130	<0.50	<0.50	<0.50	<80	<5.0	<0.50	<0.50
	11/05/08	4.5	500	<2.0	<2.0	<2.0	--	<100	--	--
	02/06/09	5.3	770	<0.50	<0.50	<0.50	<100	<5.0	--	--
	05/07/09	5.5	900	<0.50	<0.50	<0.50	<50	<5.0	--	--
	06/01/10	5.1	36	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	6.6	680	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-4	07/09/02	28,300	--	--	--	--	--	--	--	--
	07/11/03	16,600	--	--	--	--	--	--	--	--
	11/13/03	16,000	4,500	--	--	--	--	--	--	--
	02/19/04	14,300	1,440	--	--	--	--	--	--	--
	05/21/04	7,380	<2,000	--	--	--	--	--	--	--
	08/11/05	1,200	--	--	--	--	--	--	--	--
	11/30/05	340	--	--	--	--	--	--	--	--
	08/08/08	24	1,800	<0.50	<0.50	<0.50	<80	<5.0	<0.50	<0.50
	11/05/08	31	760	<2.0	<2.0	<2.0	--	<100	--	--
	02/06/09	39	1,400	<0.50	<0.50	<0.50	<200	<5.0	--	--
	05/07/09	29	1,000	<0.50	<0.50	<0.50	<200	<5.0	--	--
	06/01/10	9.4	900	<2.0 [1]	<2.0 [1]	<2.0 [1]	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	7.6	940	<2.0 [1]	<2.0 [1]	<2.0 [1]	<50	<5.0	--	--

TABLE 2
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-5	07/09/02	18,600	--	--	--	--	--	--	--	--
	07/11/03	5,090	--	--	--	--	--	--	--	--
	11/13/03	3,400	3,100	--	--	--	--	--	--	--
	02/19/04	438	1,340	--	--	--	--	--	--	--
	05/21/04	214	436	--	--	--	--	--	--	--
	08/11/05	100	--	--	--	--	--	--	--	--
	11/30/05	82	--	--	--	--	--	--	--	--
	08/08/08	8.6	510	<0.50	<0.50	<0.50	<50	<5.0	<0.50	<0.50
	11/05/08	4.8	170	<2.0	<2.0	<2.0	--	<100	--	--
	02/06/09	5.5	110	<0.50	<0.50	<0.50	<200	<5.0	--	--
	05/07/09	4.3	60	<0.50	<0.50	<0.50	<50	<5.0	--	--
	06/01/10	4.3	570	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	5.9	1,300	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-6	07/09/02	11,300	--	--	--	--	--	--	--	--
	07/11/03	18,000	--	--	--	--	--	--	--	--
	11/13/03	18,000	ND	--	--	--	--	--	--	--
	02/19/04	5,310	4,260	--	--	--	--	--	--	--
	05/21/04	3,900	4,060	--	--	--	--	--	--	--
	08/11/05	3,200	--	--	--	--	--	--	--	--
	11/30/05	3,400	--	--	--	--	--	--	--	--
	08/08/08	230	810	<0.50	<0.50	<0.66	<200	<8.0	<0.50	<0.50
	11/05/08	340	950	<10	<10	<10	--	<500	--	--
	02/06/09	140	690	<0.50	<0.50	<0.50	<200	<5.0	--	--
	05/07/09	150	460	<0.50	<0.50	<0.50	<100	<5.0	--	--
	06/01/10	350	770	<5.0 [1]	<5.0 [1]	<5.0 [1]	<50	<5.0	--	--
	09/07/10	Not Scheduled for Sampling								
	12/08/10	420	890	<2.0 [1]	<2.0 [1]	<2.0 [1]	<50	<5.0	--	--

TABLE 2
ANALYTICAL RESULTS FOR FUEL OXYGENATES AND ADDITIVES
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-7	06/01/10	22	18	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	17	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/08/10	7.6	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-10	06/01/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/08/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-11	06/01/10	6.7	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	98	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/08/10	96	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-12A	06/01/10	260	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10					Inaccessible				
	12/08/10	300	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-13A	06/01/10	7.1	33	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10					Inaccessible				
	12/08/10	15	61	<1.0	<1.0	<1.0	<50	<5.0	--	--
DEEPER WELLS										
MW-5B	06/01/10	0.70	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	1.4	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/08/10	1.6	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-6B	06/01/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/08/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-12B	06/01/10	0.84	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	09/07/10					Inaccessible				
	12/08/10	<50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--

Legend/Key:

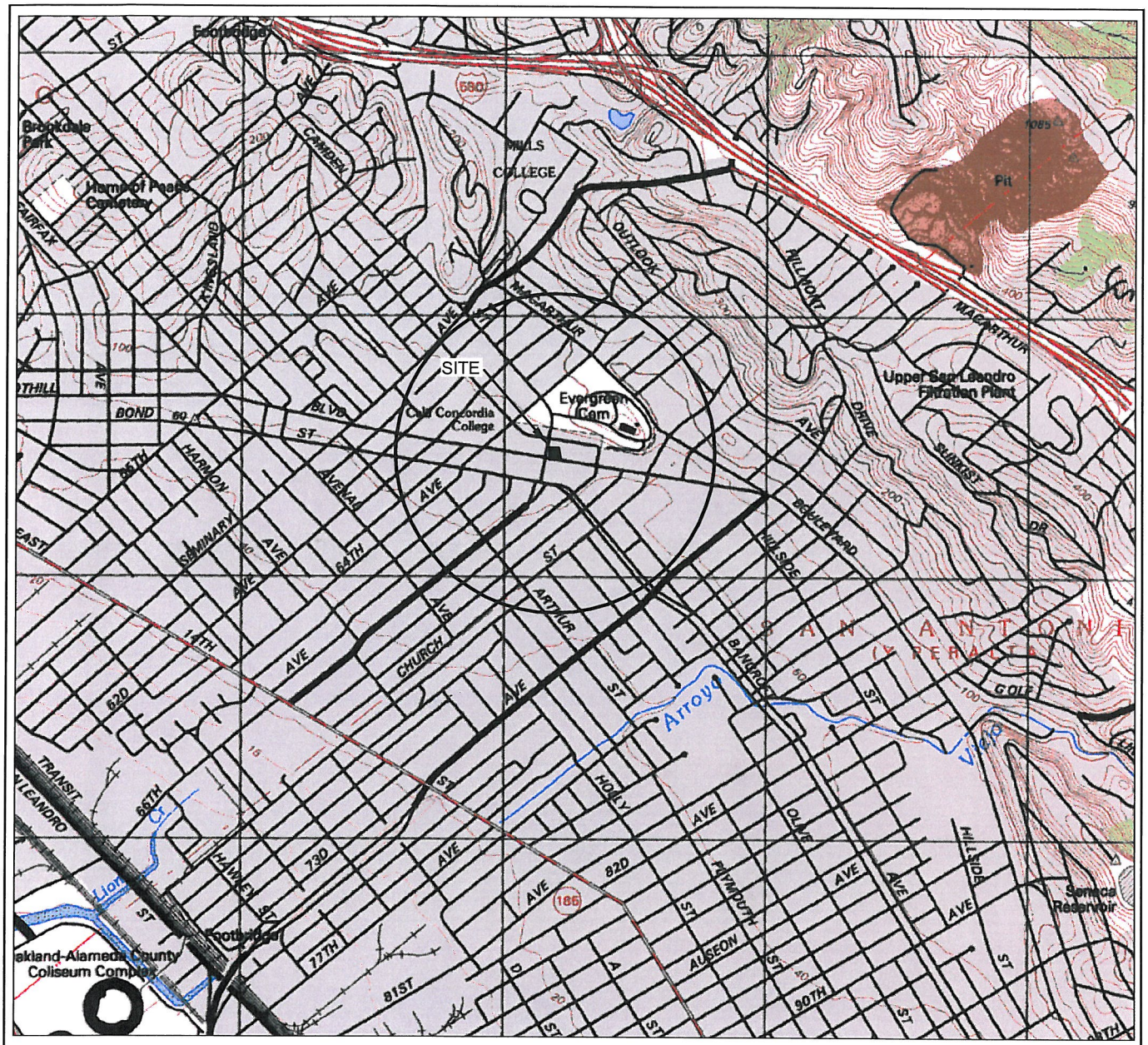
MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ND= "not-detected" or below the Method Detection Limits
--= Not available/not analyzed
mg/L = micrograms per liter

[1] = Reporting limits were increased due to high concentration of target analytes.

TABLE 3
WELL CONSTRUCTION DETAIL SUMMARY
Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California

Boring/Well I.D.	Date Installed	Boring Depth (feet)	Boring Diameter (inches)	Well Diameter (inches)	Well Depth (feet)	Screen Interval (feet bgs)	Slot Size (inches)	Drilling Method
Shallow Groundwater Monitoring Wells								
MW-1	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-2	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-3	06/04/01	25	8	2	25	10-25	0.01	HSA
MW-4	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-5	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-6	06/26/02	20	8	2	20	7.5-20	0.01	HSA
MW-7	09/23/09	25	8	2	25	10-25	0.01	HSA
MW-10	09/22/09	25	8	2	25	15-25	0.01	HSA
MW-11	09/23/09	25	8	2	25	10-25	0.01	HSA
MW-12A	09/22/09	25	8	2	25	10-25	0.01	HSA
MW-13A	09/24/09	25	8	2	25	5--25	0.01	HSA
Deeper Groundwater Monitoring Wells								
MW-5B	09/23/09	45	8	2	45	35-45	0.01	HSA
MW-6B	09/24/09	50	8	2	50	35-50	0.01	HSA
MW-12B	09/22/09	43	8	2	43	33-43	0.01	HSA

Notes:
HSA = hollow stem auger



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND EAST, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

N

QUADRANGLE LOCATION

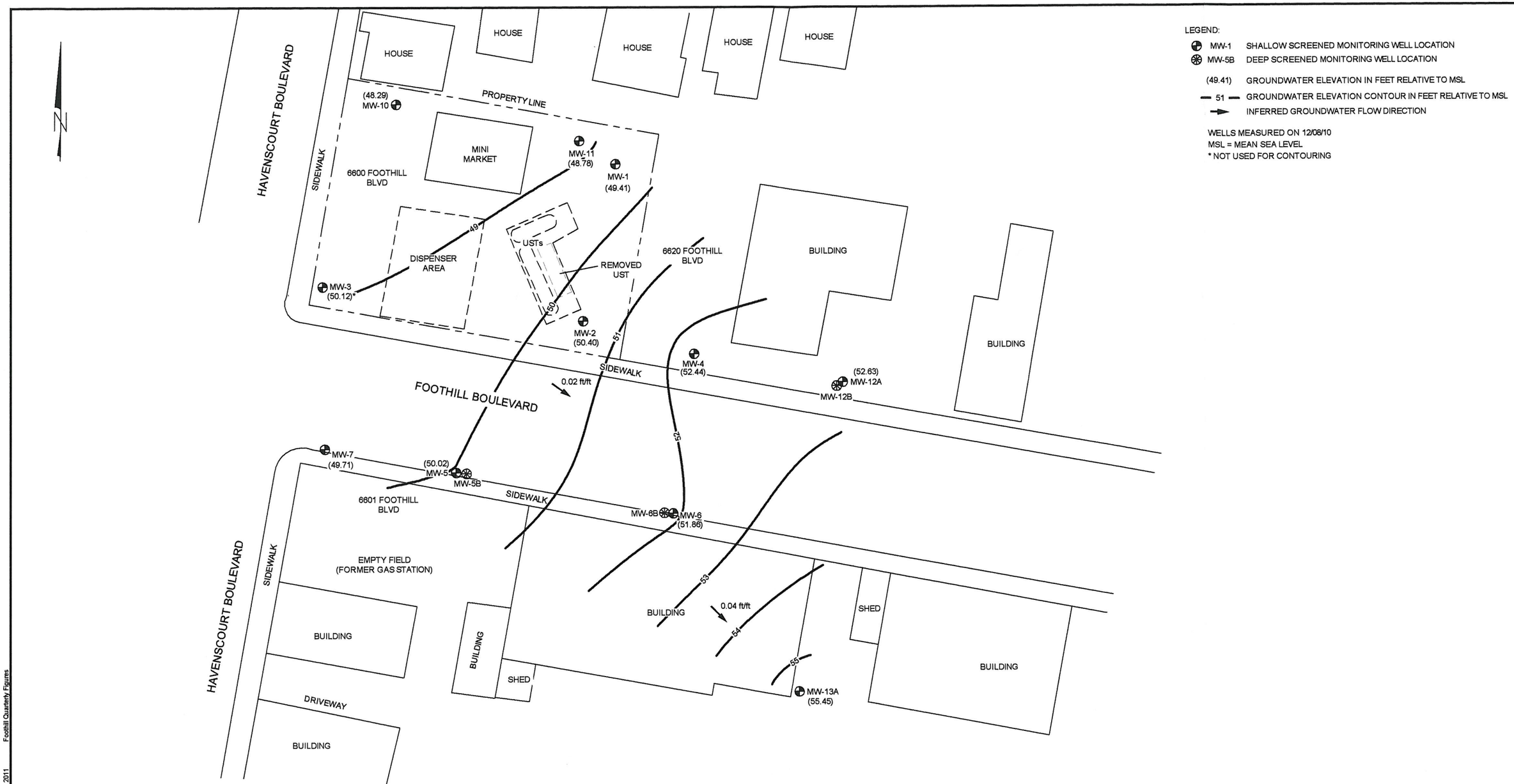
SCALE 1:24,000

STRATUS
ENVIRONMENTAL, INC.

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2087-6600-01



NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS
ENVIRONMENTAL, INC.

0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
SHALLOW SCREENED WELLS
4th QUARTER 2010

FIGURE
2

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 5, 2011 Foothill Quarterly Figures

N

HAVENSCOURT BOULEVARD

SIDEWALK

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

PROPERTY LINE

MW-10

MINI MARKET

MW-11

MW-1

6600 FOOTHILL BLVD

DISPENSER AREA

USTs

REMOVED UST

MW-3

MW-2

6620 FOOTHILL BLVD

BUILDING

BUILDING

MW-4

SIDEWALK

FOOTHILL BOULEVARD

MW-12A

MW-12B (23.28)

MW-7

MW-5

MW-5B (43.74)

SIDEWALK

6601 FOOTHILL BLVD

MW-6B (16.89)

MW-6

HAVENSCOURT BOULEVARD

SIDEWALK

EMPTY FIELD (FORMER GAS STATION)

BUILDING

DRIVEWAY

BUILDING

BUILDING

SHED

BUILDING

SHED

BUILDING

MW-13A

LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- (43.74) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL

WELLS MEASURED ON 12/08/10
MSL = MEAN SEA LEVEL

NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

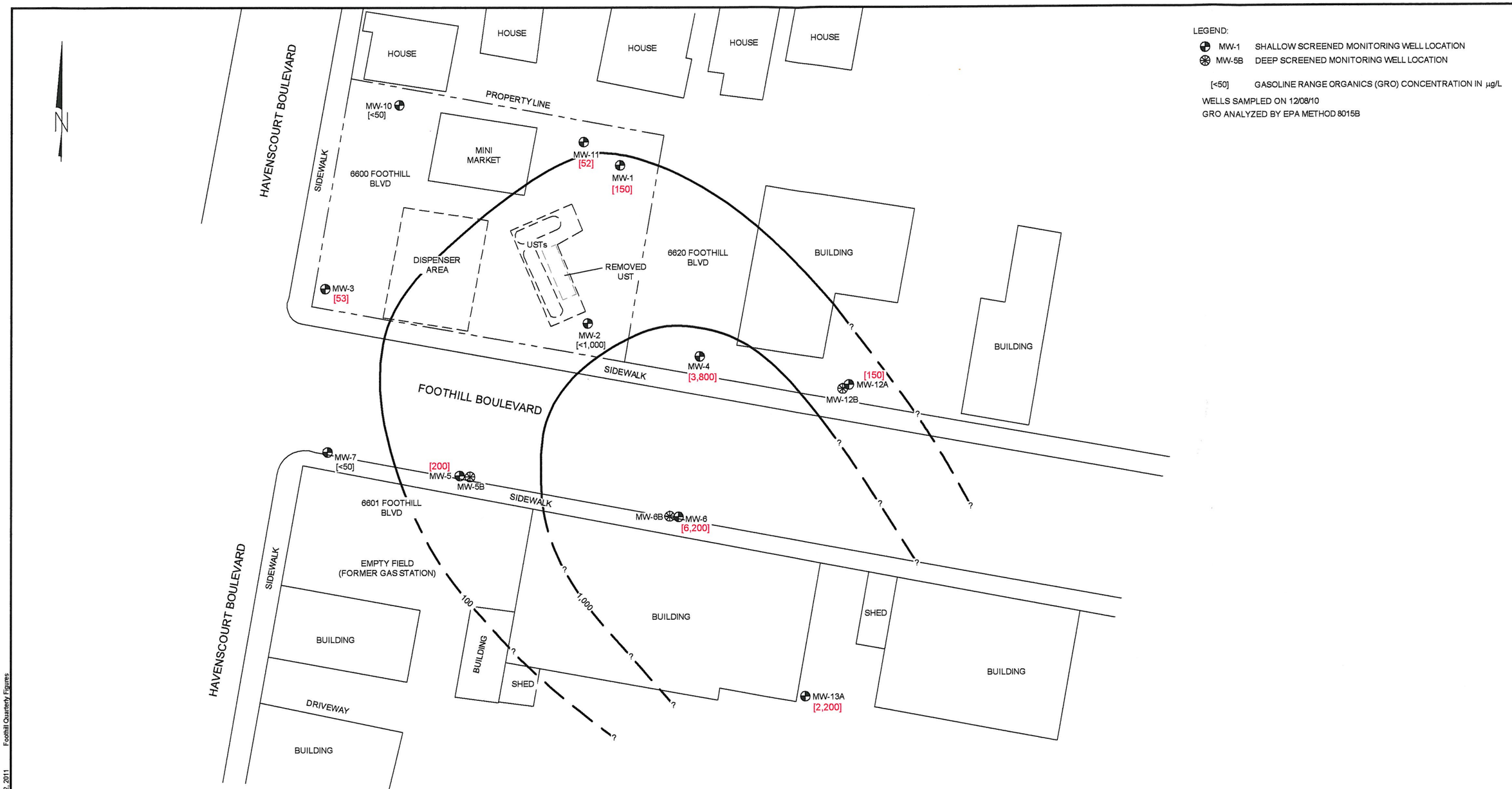
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION MAP
DEEP SCREENED WELLS
4th QUARTER 2010

FIGURE
3

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 5, 2011 Foothill Quarterly Figures



NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GRO ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
4th QUARTER 2010

FIGURE
4

PROJECT NO.
2087-6600-01

JNP REV January 12, 2011 Foothill Quarterly Figures
Foothill Mini Mart\Quarterly

LEGEND:

MW-1 SHALLOW SCREENED MONITORING WELL LOCATION

MW-5B DEEP SCREENED MONITORING WELL LOCATION

[<0.50] BENZENE CONCENTRATION IN µg/L

WELLS SAMPLED ON 12/08/10

BENZENE ANALYZED BY EPA METHOD 8260B

N

HAVENSCOURT BOULEVARD

SIDEWALK

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

PROPERTY LINE

MW-10 [<0.50]

6600 FOOTHILL BLVD

MINI MARKET

MW-11 [<0.50]

MW-1 [<0.50]

DISPENSER AREA

USTs

REMOVED UST

MW-3 [<0.50]

MW-2 [<5.0]

6620 FOOTHILL BLVD

BUILDING

BUILDING

MW-4 [<1.0]

SIDEWALK

[<0.50] MW-12A

MW-12B

FOOTHILL BOULEVARD

MW-7 [<0.50]

[<0.50] MW-5

MW-5B

SIDEWALK

6601 FOOTHILL BLVD

MW-6B MW-6 [90]

10

1.0

1.0

EMPTY FIELD (FORMER GAS STATION)

HAVENSCOURT BOULEVARD

SIDEWALK

BUILDING

BUILDING

SHED

BUILDING

SHED

BUILDING

DRIVEWAY

BUILDING

MW-13A [0.63]

NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 40 FT

SCALE

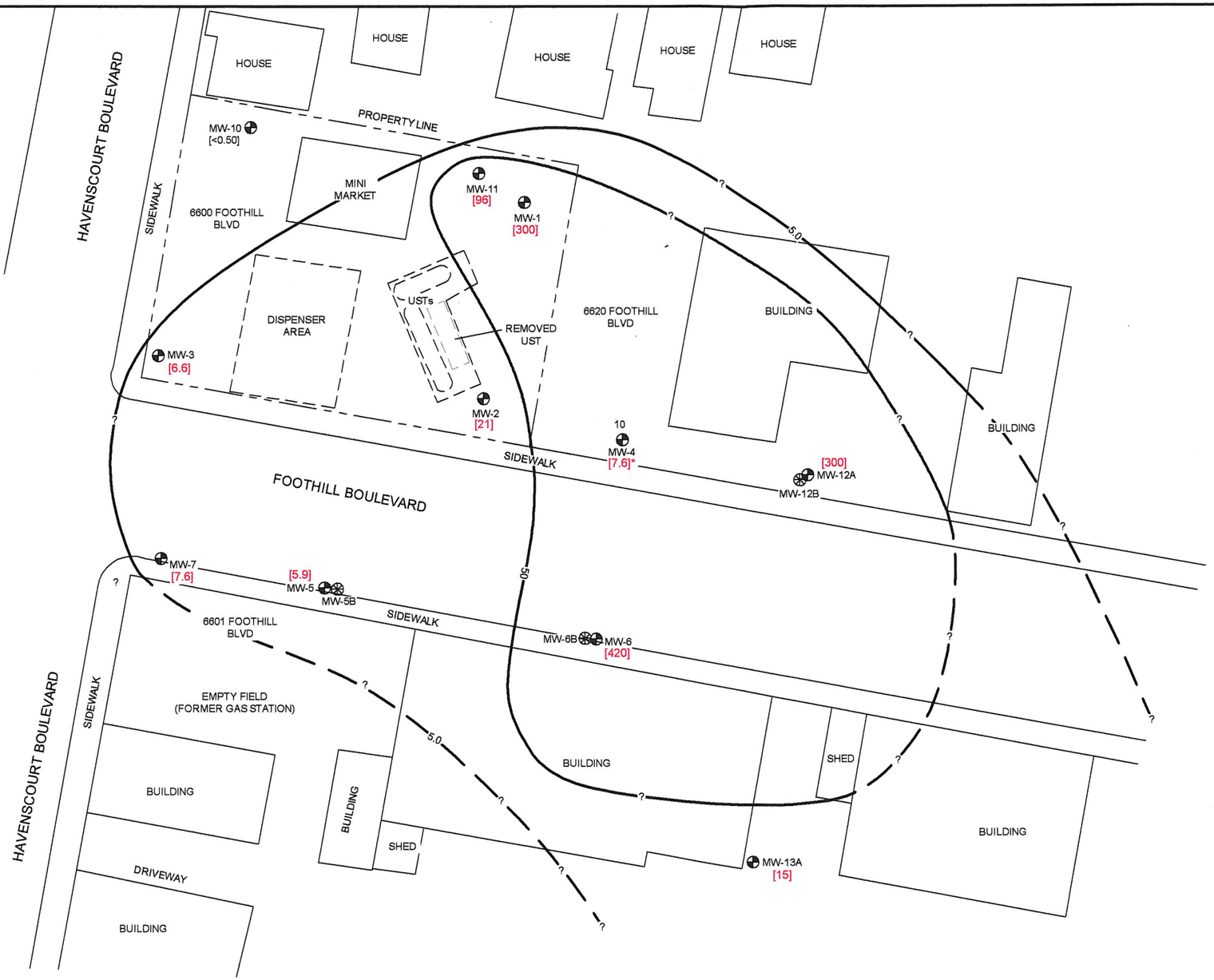
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

BENZENE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
4th QUARTER 2010

FIGURE
5

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 12, 2011 Foothill Quarterly Figures



LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- [<0.50] METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

WELLS SAMPLED ON 12/08/10
MTBE ANALYZED BY EPA METHOD 8260B
* NOT USED FOR CONTOURING

NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

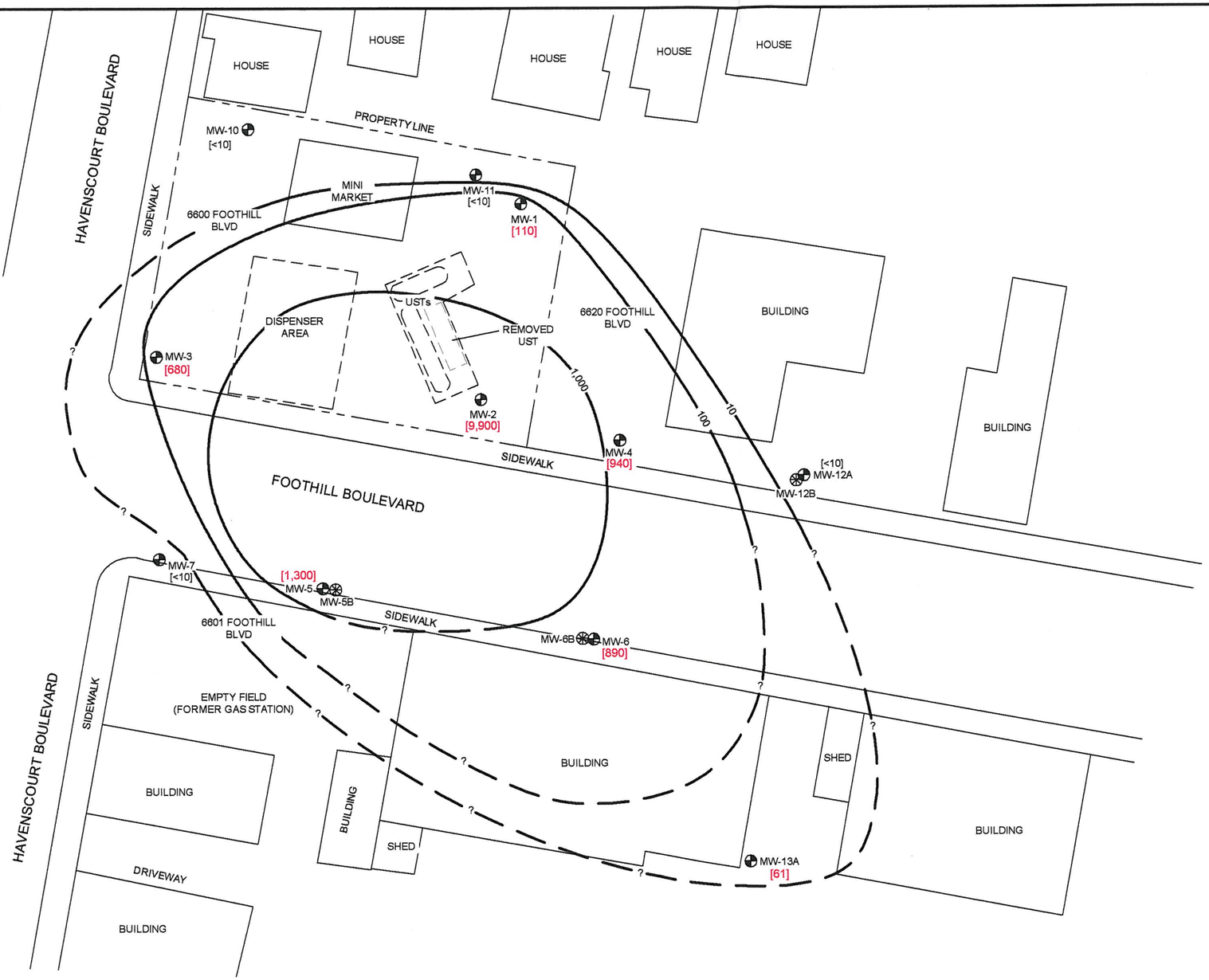
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

MTBE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
4th QUARTER 2010

FIGURE
6

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JNP REV January 12, 2011 Foothill Quarterly Figures



LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- [<10] TERT-BUTYL ALCOHOL (TBA) CONCENTRATION IN µg/L

WELLS SAMPLED ON 12/08/10
TBA ANALYZED BY EPA METHOD 8260B

NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

Foothill Mini Mart\Quarterly JMP REV January 12, 2011 Foothill Quarterly Figures

STRATUS ENVIRONMENTAL, INC.

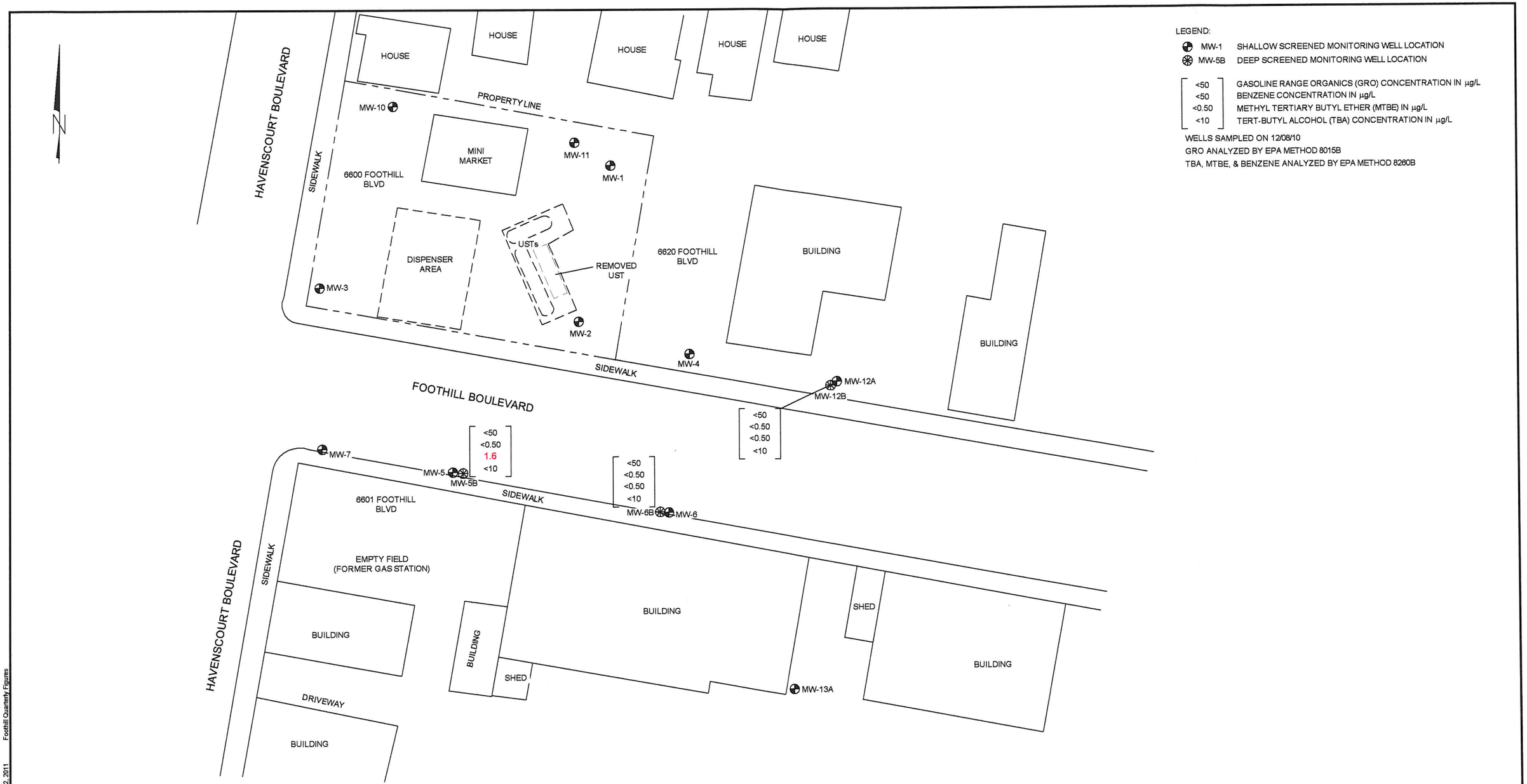
0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

TBA ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
4th QUARTER 2010

FIGURE
7

PROJECT NO.
2087-6600-01



NOTE: LOCATIONS OF SITE FEATURES, WELLS, & BORINGS ARE APPROXIMATE

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
DEEP SCREENED WELLS
4th QUARTER 2010

FIGURE
8

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 12, 2011 Foothill Quarterly Figures

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

Site Address: 6600 Foothill
City: Oakland, CA
Sampled By: VZ, LF
Signature: VZ

Site Number: Foothill Mini Mart
Project Number:
Project PM:
DATE: 12-08-10

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water Column (feet)	Diamater (inches)	Multiplier	3 casing volumes (gallons	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW at sample time (feet)	Sample I.D.	Sample Time	DO (mg/L)
MW-1	0913		10.61	24.18	13.57	2	0.5	6.79	7.00		X		Low	13.11	MW-1	1126	5.88
MW-2	0911		8.34	24.34	16.00	2	0.5	8.00	8.00		X		Low	1632	MW-2	1323	3.70
MW-3	0916		9.82	23.61	13.79	2	0.5	6.90	7.00			X	Low	9.89	MW-3	1143	5.07
MW-4	1345		5.75	19.55	13.80	2	0.5	6.90	7.00		X		Low	6.05	MW-4	1606	.73
MW-5	0639		7.78	19.20	11.42	2	0.5	5.71	6.00		X		Low	7.81	MW-5	1107	4.24
MW-5B	0700		13.95	24.15	31.20	2	0.5	15.60	14.50		X	Dry	@14.5	27.43	MW-5B	1041	4.23
MW-6	0718		5.15	18.60	13.45	2	0.5	6.73	7.00		X		Low	5.30	MW-6	0811	.65
MW-6B	0711		39.82	48.80	8.98	2	0.5	4.49	4.50		X		Low	42.83	MW-6B	1000	1.83
MW-7	0630		8.95	24.65	15.70	2	0.5	7.85	8.00		X			17.41	MW-7	1021	5.20
MW-10	0926		13.60	24.91	11.31	2	0.5	5.66	5.50		X	Dry	@5.5	19.62	MW-10	1231	6.41
MW-11	0921		12.19	24.78	12.59	2	0.5	6.30	6.50		X			12.78	MW-11	1130	4.53
MW-12A	1349		10.35	21.50	11.15	2	0.5	5.58	5.50		X		Low	10.39	MW-12A	1426	2.63
MW-12B	1351		39.66	43.25	3.59	2	0.5	1.80	1.00		X		Dry	41.96	MW-12B	1616	.73
MW-13A			5.45	24.90	19.45	2	0.5	9.73	10.00		X			7.37	MW-13A	0937	1.20

Multiplier
2" = 0.5, 3" = 1.0, 4" = 2.0, 6" = 4.4

Please refer to groundwater sampling field procedures 84+14
pH/Conductivity/temperature Meter - Oakton Model)PC-10
DO Meter - Oakton 300 Series (DO is always mesured before purge) 58

CALIBRATION DATE

pH	VZ	120810
Conductivity	2	2
DO	2	2

STRATUS ENVIRONMENTAL, INC.

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Signature: VZ/LF

Site Number: Foothill Mini Mart
Project Number:
Project PM:
DATE: 12/08/10

Well ID MW-7				
Purge start time 0723			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0723	19.6	6.83	138.4	0
time 0729	20.3	6.68	98.4	4
time 0734	20.2	6.70	94.1	8
time				
purge stop time 0734			ORP 51	

Well ID MW-5B Bail				
Purge start time 0749			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0749	19.6	6.96	80.0	0
time 0801	19.3	6.91	77.6	8
time 0812	19.3	6.89	76.2	14.5
time Dry at		14.5	gallons	
purge stop time 0812			ORP 56	

Well ID MW-5 Bail				
Purge start time 0830			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0830	20.1	6.61	64.8	0
time 0835	20.3	6.53	64.3	3
time 0839	20.2	6.68	66.2	6
time				
purge stop time 0839			ORP 59	

Well ID MW-1 Bail				
Purge start time 0933			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0933	19.9	6.45	65.8	0
time 0939	20.4	6.16	82.8	3.5
time 0944	20.1	6.05	88.4	7
time				
purge stop time 0944			ORP 75	

Well ID MW-11 Bail				
Purge start time 0952			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0952	19.6	5.92	110.2	0
time 0957	19.8	5.91	113.1	3.5
time 1002	19.7	5.91	116.2	6.5
time				
purge stop time 1002			ORP 72	

Well ID MW-10 Bail				
Purge start time 1019			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1019	19.6	6.27	105.1	0
time 1025	19.6	6.33	100.6	3
time 1031	19.4	6.43	100.2	5.5
time				
purge stop time 1031			ORP 75	

Well ID MW-3 Pump				
Purge start time 1048			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1048	24.8	6.40	85.6	0
time 1051	26.1	6.33	86.1	3.5
time 1056	24.5	6.35	81.5	7
time				
purge stop time 1056			ORP 83	

Well ID MW-2 Bail				
Purge start time 1110			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1110	21.7	6.22	102.5	0
time 1115	21.8	6.23	104.5	4
time 1119	21.6	6.21	104.5	8
time				
purge stop time 1119			ORP 69	

STRATUS ENVIRONMENTAL, INC.

Site Address: 6600 Foothill
City: Oakland, CA
Sampled By: VZ, LF
Signature: VZ

Site Number: Foothill Mini Mart
Project Number:
Project PM:
DATE: 12-8-10

Well ID	MW-6B				Odor Y (N)
Purge start time	0721				
Bail	Temp C	pH	cond	gallons	
time 0721	20.0	6.82	436	2	
time 0730	19.9	6.93	384	2.0	
time 0737		Low	H2O	4.5	
time 1000	19.5	6.99	394	(4.5)	
purge stop time	0737		ORP	147	

Well ID	MW-6				Odor (Y) N
Purge start time	0742				
Bail	Temp C	pH	cond	gallons	
time 0742	19.5	6.56	447	2	
time 0751	19.4	6.52	445	3.5	
time 0758		Low	H2O	7.00	
time 0811	19.4	6.55	423	(7.00)	
purge stop time	0758		ORP	146	

Well ID	MW-13A				Odor (Y) N
Purge start time	0911				
BAIL	Temp C	pH	cond	gallons	
time 0911	20.0	6.55	344	0	
time 0922	20.3	6.65	292	5.0	
time 0937	20.0	6.65	337	10.0	
time					
purge stop time	0937		ORP	84	

Well ID	MW-4				Odor (Y) N
Purge start time	1355				
Bail	Temp C	pH	cond	gallons	
time 1355	21.3	6.63	422	2	
time 1401	21.0	6.62	425	3.5	
time 1405		Low	H2O	7.00	
time 1606	20.1	6.55	434	7.0	
purge stop time	1405		ORP	118	

Well ID	MW-12B				Odor (Y) N
Purge start time	1408				
Bail	Temp C	pH	cond	gallons	
time 1408	20.1	7.21	608	2	
time 1411	Dry	@	1 gal		
time 1616	19.7	7.15	675	(1)	
time					
purge stop time	1411		ORP	99	

Well ID	MW-12A				Odor (Y) N
Purge start time	1415				
Bail	Temp C	pH	cond	gallons	
time 1415	21.3	6.65	344	2	
time 1420	21.7	6.45	353	2.5	
time 1425		Low	H2O	5.0	
time 1626	20.7	6.71	368	(5.0)	
purge stop time	1425		ORP	95	

Well ID					Odor Y N
Purge start time					
	Temp C	pH	cond	gallons	
time					
time					
time					
time					
purge stop time			ORP		

Well ID					Odor Y N
Purge start time					
	Temp C	pH	cond	gallons	
time					
time					
time					
time					
purge stop time			ORP		

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

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

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 12/10/10

Job: Foothill Mini Mart

GC/MSD by Direct Injection
EPA Method SW8260B-DI

Parameter		Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**					
Lab ID : STR10121043-01A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 11:26	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-2**					
Lab ID : STR10121043-02A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 13:23	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-3**					
Lab ID : STR10121043-03A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 11:43	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-4**					
Lab ID : STR10121043-04A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 16:06	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-5**					
Lab ID : STR10121043-05A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 11:07	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-5B**					
Lab ID : STR10121043-06A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 10:41	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-6**					
Lab ID : STR10121043-07A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 08:11	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-6B**					
Lab ID : STR10121043-08A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 10:00	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-7**					
Lab ID : STR10121043-09A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 10:21	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-10**					
Lab ID : STR10121043-10A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 12:31	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-11**					
Lab ID : STR10121043-11A	Methanol	ND	50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 11:30	Ethanol	ND	5.0 µg/L	12/14/10	12/14/10

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Client ID: **MW-12A**						
Lab ID : STR10121043-12A	Methanol	ND		50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 16:26	Ethanol	ND		5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-12B**						
Lab ID : STR10121043-13A	Methanol	ND		50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 16:16	Ethanol	ND		5.0 µg/L	12/14/10	12/14/10
Client ID: **MW-13A**						
Lab ID : STR10121043-14A	Methanol	ND		50 µg/L	12/14/10	12/14/10
Date Sampled 12/08/10 09:37	Ethanol	ND		5.0 µg/L	12/14/10	12/14/10

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 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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.

12/17/10
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

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 12/10/10

Job: Foothill Mini Mart

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-1**						
Lab ID :	STR10121043-01A	TPH-P (GRO)	150		50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 11:26	Tertiary Butyl Alcohol (TBA)	110		10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	300		0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	12/14/10	12/14/10
		Benzene	ND		0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	12/14/10	12/14/10
		Toluene	ND		0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND		0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-2**						
Lab ID :	STR10121043-02A	TPH-P (GRO)	ND	V	1,000 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 13:23	Tertiary Butyl Alcohol (TBA)	9,900		100 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	21		5.0 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	V	10 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	10 µg/L	12/14/10	12/14/10
		Benzene	ND	V	5.0 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	10 µg/L	12/14/10	12/14/10
		Toluene	ND	V	5.0 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	V	5.0 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	V	5.0 µg/L	12/14/10	12/14/10
		o-Xylene	ND	V	5.0 µg/L	12/14/10	12/14/10
Client ID :	**MW-3**						
Lab ID :	STR10121043-03A	TPH-P (GRO)	53		50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 11:43	Tertiary Butyl Alcohol (TBA)	680		10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	6.6		0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	12/14/10	12/14/10
		Benzene	ND		0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	12/14/10	12/14/10
		Toluene	ND		0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND		0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND		0.50 µg/L	12/14/10	12/14/10

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Client ID :	**MW-4**						
Lab ID :	STR10121043-04A	TPH-P (GRO)	3,800		200 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 16:06	Tertiary Butyl Alcohol (TBA)	940		20 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	7.6		1.0 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Benzene	ND	V	1.0 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Toluene	ND	V	1.0 µg/L	12/14/10	12/14/10
		Ethylbenzene	7.3		1.0 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	V	1.0 µg/L	12/14/10	12/14/10
		o-Xylene	ND	V	1.0 µg/L	12/14/10	12/14/10
Client ID :	**MW-5**						
Lab ID :	STR10121043-05A	TPH-P (GRO)	200		50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 11:07	Tertiary Butyl Alcohol (TBA)	1,300		10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	5.9		0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	12/14/10	12/14/10
		Benzene	ND		0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	12/14/10	12/14/10
		Toluene	ND		0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND		0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-5B**						
Lab ID :	STR10121043-06A	TPH-P (GRO)	ND		50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 10:41	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	1.6		0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	12/14/10	12/14/10
		Benzene	ND		0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	12/14/10	12/14/10
		Toluene	ND		0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND		0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND		0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-6**						
Lab ID :	STR10121043-07A	TPH-P (GRO)	6,200		200 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 08:11	Tertiary Butyl Alcohol (TBA)	890		20 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	420		1.0 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Benzene	90		1.0 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	12/14/10	12/14/10
		Toluene	1.1		1.0 µg/L	12/14/10	12/14/10
		Ethylbenzene	46		1.0 µg/L	12/14/10	12/14/10
		m,p-Xylene	51		1.0 µg/L	12/14/10	12/14/10
		o-Xylene	2.7		1.0 µg/L	12/14/10	12/14/10

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Client ID :	**MW-6B**					
Lab ID :	STR10121043-08A	TPH-P (GRO)	ND	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 10:00	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-7**					
Lab ID :	STR10121043-09A	TPH-P (GRO)	ND	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 10:21	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	7.6	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-10**					
Lab ID :	STR10121043-10A	TPH-P (GRO)	ND	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 12:31	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-11**					
Lab ID :	STR10121043-11A	TPH-P (GRO)	52	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 11:30	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	96	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10

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Client ID :	**MW-12A**					
Lab ID :	STR10121043-12A	TPH-P (GRO)	150	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 16:26	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	300	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-12B**					
Lab ID :	STR10121043-13A	TPH-P (GRO)	ND	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 16:16	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	ND	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
Client ID :	**MW-13A**					
Lab ID :	STR10121043-14A	TPH-P (GRO)	2,200	50 µg/L	12/14/10	12/14/10
Date Sampled	12/08/10 09:37	Tertiary Butyl Alcohol (TBA)	61	10 µg/L	12/14/10	12/14/10
		Methyl tert-butyl ether (MTBE)	15	0.50 µg/L	12/14/10	12/14/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	12/14/10	12/14/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	12/14/10	12/14/10
		Benzene	0.63	0.50 µg/L	12/14/10	12/14/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	12/14/10	12/14/10
		Toluene	ND	0.50 µg/L	12/14/10	12/14/10
		Ethylbenzene	ND	0.50 µg/L	12/14/10	12/14/10
		m,p-Xylene	ND	0.50 µg/L	12/14/10	12/14/10
		o-Xylene	ND	0.50 µg/L	12/14/10	12/14/10

Gasoline Range Organics (GRO) C4-C13

V = Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Reported in micrograms per Liter, per client request.

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.

12/17/10

Report Date

Alpha Analytical, Inc.

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VOC Sample Preservation Report

Work Order: STR10121043 **Job:** Foothill Mini Mart

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10121043-01A	MW-1	Aqueous	2
10121043-02A	MW-2	Aqueous	2
10121043-03A	MW-3	Aqueous	2
10121043-04A	MW-4	Aqueous	2
10121043-05A	MW-5	Aqueous	2
10121043-06A	MW-5B	Aqueous	2
10121043-07A	MW-6	Aqueous	2
10121043-08A	MW-6B	Aqueous	2
10121043-09A	MW-7	Aqueous	2
10121043-10A	MW-10	Aqueous	2
10121043-11A	MW-11	Aqueous	2
10121043-12A	MW-12A	Aqueous	2
10121043-13A	MW-12B	Aqueous	2
10121043-14A	MW-13A	Aqueous	2

12/17/10

Report Date

Alpha Analytical, Inc.

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Date: *17-Dec-10*

QC Summary Report

Work Order: 10121043

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\101214\10121409.D** Batch ID: **25636** Analysis Date: **12/14/2010 16:00**

Sample ID: **MBLK-25598** Units : **µg/L** Run ID: **MSD_11_101214A** Prep Date: **12/14/2010 11:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	50								
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	469		500		94	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\101214\10121405.D** Batch ID: **25636** Analysis Date: **12/14/2010 14:11**

Sample ID: **LCS-25636** Units : **µg/L** Run ID: **MSD_11_101214A** Prep Date: **12/14/2010 11:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	305	50	250		122	54	132			
Ethanol	296	5	250		118	70	142			
Surr: Hexafluoro-2-propanol	520		500		104	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\101214\10121407.D** Batch ID: **25636** Analysis Date: **12/14/2010 15:20**

Sample ID: **10121043-02AMS** Units : **µg/L** Run ID: **MSD_11_101214A** Prep Date: **12/14/2010 11:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	319	50	250	0	128	48	142			
Ethanol	276	5	250	0	111	68	143			
Surr: Hexafluoro-2-propanol	506		500		101	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\101214\10121408.D** Batch ID: **25636** Analysis Date: **12/14/2010 15:40**

Sample ID: **10121043-02AMSD** Units : **µg/L** Run ID: **MSD_11_101214A** Prep Date: **12/14/2010 11:34**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	290	50	250	0	116	48	142	319.1	9.5(20)	
Ethanol	265	5	250	0	106	68	143	276.4	4.3(20)	
Surr: Hexafluoro-2-propanol	531		500		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.

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Date: *17-Dec-10*

QC Summary Report

Work Order: 10121043

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015**

File ID: **C:\HPCHEM\MS10\DATA\101214\10121405.D** Batch ID: **MS10W1214B** Analysis Date: **12/14/2010 09:35**

Sample ID: **MBLK MS10W1214B** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 09:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.75		10		98	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015**

File ID: **C:\HPCHEM\MS10\DATA\101214\10121404.D** Batch ID: **MS10W1214B** Analysis Date: **12/14/2010 09:13**

Sample ID: **GLCS MS10W1214B** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 09:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	419	50	400		105	70	130			
Surr: 1,2-Dichloroethane-d4	9.77		10		98	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	10.8		10		108	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015**

File ID: **C:\HPCHEM\MS10\DATA\101214\10121409.D** Batch ID: **MS10W1214B** Analysis Date: **12/14/2010 11:21**

Sample ID: **10121043-01AGS** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 11:21**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2240	250	2000	153.1	105	58	135			
Surr: 1,2-Dichloroethane-d4	48.9		50		98	70	130			
Surr: Toluene-d8	49.4		50		99	70	130			
Surr: 4-Bromofluorobenzene	52.2		50		104	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015**

File ID: **C:\HPCHEM\MS10\DATA\101214\10121410.D** Batch ID: **MS10W1214B** Analysis Date: **12/14/2010 11:42**

Sample ID: **10121043-01AGSD** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 11:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2270	250	2000	153.1	106	58	135	2245	0.9(20)	
Surr: 1,2-Dichloroethane-d4	48.5		50		97	70	130			
Surr: Toluene-d8	50.8		50		102	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	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.

Reported in micrograms per Liter, per client request.

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Date: *17-Dec-10*

QC Summary Report

Work Order: 10121043

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\101214\10121405.D** Batch ID: **MS10W1214A** Analysis Date: **12/14/2010 09:35**

Sample ID: **MBLK MS10W1214A** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 09:35**

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								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.75		10		98	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\101214\10121403.D** Batch ID: **MS10W1214A** Analysis Date: **12/14/2010 08:50**

Sample ID: **LCS MS10W1214A** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 08:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.21	0.5	10		92	62	136			
Benzene	9.16	0.5	10		92	70	130			
Toluene	9.04	0.5	10		90	80	120			
Ethylbenzene	9.12	0.5	10		91	80	120			
m,p-Xylene	9.61	0.5	10		96	70	130			
o-Xylene	9.34	0.5	10		93	70	130			
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.9		10		109	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\101214\10121407.D** Batch ID: **MS10W1214A** Analysis Date: **12/14/2010 10:39**

Sample ID: **10121043-01AMS** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	348	1.3	50	302.6	91	56	141			
Benzene	47.4	1.3	50	0	95	67	130			
Toluene	46.8	1.3	50	0	94	66	130			
Ethylbenzene	47.7	1.3	50	0	95	68	130			
m,p-Xylene	49.2	1.3	50	0	98	64	130			
o-Xylene	48	1.3	50	0	96	70	130			
Surr: 1,2-Dichloroethane-d4	52.5		50		105	70	130			
Surr: Toluene-d8	49.9		50		99.9	70	130			
Surr: 4-Bromofluorobenzene	54.9		50		110	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\101214\10121408.D** Batch ID: **MS10W1214A** Analysis Date: **12/14/2010 11:00**

Sample ID: **10121043-01AMSD** Units : **µg/L** Run ID: **MSD_10_101214A** Prep Date: **12/14/2010 11:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	363	1.3	50	302.6	121	56	141	348.1	4.3(20)	
Benzene	51.4	1.3	50	0	103	67	130	47.44	8.0(20)	
Toluene	48.3	1.3	50	0	97	66	130	46.77	3.2(20)	
Ethylbenzene	51.2	1.3	50	0	102	68	130	47.68	7.0(20)	
m,p-Xylene	52.9	1.3	50	0	106	64	130	49.24	7.2(20)	
o-Xylene	52.7	1.3	50	0	105	70	130	48.04	9.3(20)	
Surr: 1,2-Dichloroethane-d4	53.3		50		107	70	130			
Surr: Toluene-d8	47.8		50		96	70	130			
Surr: 4-Bromofluorobenzene	53.9		50		108	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *17-Dec-10*

QC Summary Report

Work Order: 10121043

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR10121043

Report Due By : 5:00 PM On : 17-Dec-10

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : **Yes**

Sampled by : Vince/Levi

PO :

Client's COC # : 26453, 26457 Job : Foothill Mini Mart

Cooler Temp	Samples Received	Date Printed
4 °C	10-Dec-10	10-Dec-10

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
STR10121043-01A	MW-1	AQ	12/08/10 11:26	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-02A	MW-2	AQ	12/08/10 13:23	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-03A	MW-3	AQ	12/08/10 11:43	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-04A	MW-4	AQ	12/08/10 16:06	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-05A	MW-5	AQ	12/08/10 11:07	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-06A	MW-5B	AQ	12/08/10 10:41	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-07A	MW-6	AQ	12/08/10 08:11	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10121043-08A	MW-6B	AQ	12/08/10 10:00	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Dave Dickinson	Dave Dickinson	**Alpha Analytical, Inc.**	12/10/10 1057

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 :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR10121043

Report Due By : 5:00 PM On : 17-Dec-10

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

EDD Required : **Yes**

Sampled by : Vince/Levi

PO :

Client's COC # : 26453, 26457 Job : Foothill Mini Mart

Cooler Temp	Samples Received	Date Printed
4 °C	10-Dec-10	10-Dec-10

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
STR10121043-09A	MW-7	AQ	12/08/10 10:21	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					
STR10121043-10A	MW-10	AQ	12/08/10 12:31	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					
STR10121043-11A	MW-11	AQ	12/08/10 11:30	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					
STR10121043-12A	MW-12A	AQ	12/08/10 16:26	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					
STR10121043-13A	MW-12B	AQ	12/08/10 16:16	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					
STR10121043-14A	MW-13A	AQ	12/08/10 09:37	8	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C					

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Jane Jackson	Jane Jackson	**Alpha Analytical, Inc.**	12/10/10 1057

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 STRATUS ENV
Address 3330 Cameron Park Dr. #250
City, State, Zip Cameron Park, CA
Phone Number 530-676-6004 Fax 530-676-6005

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 X NV ___ WA ___ ID ___ OR ___ OTHER ___

26453

Page # 1 of 2

Client Name	P.O. #	Job #
Foothill Mini Mart		
Address 6600 Foothill Blvd	EMail Address	
City, State, Zip Oakland, CA	Phone #	Fax #

Analyses Required

Required QC Level? I II III IV

EDD / EDF? YES X NO ___

Global ID # T0600102286

Time Sampled	Date Sampled 2010	Matrix* See Key Below	Sampled by Vince/Levi / Lab ID Number (Office Use Only)	Report Attention Scott B. / Sample Description	TAT	Field Filtered	Total and type of containers ** See below	GRO	BTEX	5 oxy's low detection level ethanol/methanol				REMARKS
1126	12/08	AQ	STR1012043-01	MW-1	Std		8v	X	X	X	X			
1323			-02	-2										
1143			-03	-3										
1606			-04	-4										
1107			-05	-5										
1041			-06	-5B										
0811			-07	6										
1000			-08	6B										
1021			-09	-7										
1231			-10	-10										
1130			-11	-11										
1626			-12	-12A										
1616	12/08	AQ	-13	-12B	Std		8v	X	X	X	X			

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Vince Zalutka	Vince Zalutka	Stratus Env	12-8-10	2020
Received by	Lisa deSilva	Lisa deSilva	ALPHA	12-9-10	0930
Relinquished by	Lisa deSilva	Lisa deSilva	ALPHA	12-9-10	1500
Received by	Tara Jackson	Tara Jackson	Alpha	12/10/10	1047
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 Stratus Env.
Address 3330 Cameron Park Dr #550
City, State, Zip Cameron Park, CA
Phone Number 530-676-6004 Fax 530-676-6005

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 X NV ___ WA ___ ID ___ OR ___ OTHER ___

26457

Page # 2 of 2

Client Name	Foothill Mini Mart	P.O. #		Job #	
Address	6600 Foothill Blvd	EMail Address			
City, State, Zip	Oakland, CA	Phone #		Fax #	

Report Attention: Scott B.

EDD / EDF? YES X NO ___
Global ID # ___

Required QC Level? I II III IV

Analyses Required: GRO; BTEX; 5 oxy's low detection level ethanol/methanol

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by: Vince / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	GRO	BTEX	5 oxy's low detection level ethanol/methanol				REMARKS
0937	12/08	AQ	STK1012043-14	MW-13A	5td		8V	X	X	X	X			

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Vince Zalutka	Vince Zalutka	Stratus	12-8-10	2020
Received by	Lisa de Silva	Lisa de Silva	ALPHA	12-9-10	0830
Relinquished by	Lisa de Silva	Lisa de Silva	ALPHA	12-9	1500
Received by	Jane Jackson	Jane Jackson	Alpha	12/10/10	1047
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.

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**GEO_WELL**
Submittal Title:	**GeoWell 12-08-10**
Facility Global ID:	**T0600102286**
Facility Name:	**FOOTHILL MINI MART**
File Name:	**GEO_WELL.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**12/16/2010 9:14:35 AM**
Confirmation Number:	5854432463

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF - Monitoring Report - Quarterly**
Submittal Title:	**Analytical 12-8-10**
Facility Global ID:	**T0600102286**
Facility Name:	**FOOTHILL MINI MART**
File Name:	**10121043_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**1/11/2011 11:38:23 AM**
Confirmation Number:	4856484949

VIEW QC REPORT

VIEW DETECTIONS REPORT