Mr. Keith Nowell
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. Nowell:

Stratus Environmental, Inc. (Stratus) has recently prepared a *Groundwater Monitoring Report, First Quarter 2013* 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

February 12, 2013
Project No. 2087-6600-01

Mr. Keith Nowell
Alameda County
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Groundwater Monitoring Report, First Quarter 2013, for Foothill Mini Mart, located at 6600 Foothill Boulevard, Oakland, California (ACEHD Case No. RO0000175)

Dear Mr. Nowell:

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 first quarter 2013 at the Foothill Mini Mart, located at 6600 Foothill Boulevard, Oakland, California (Figure 1). Stratus representatives whose signatures appear below declare under penalty of perjury, that the information contained in the attached report are true and correct to the best of our knowledge.

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

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Scott G. Bittinger, P.G.
Project Manager

Stephen J. Carter, P.G.
Senior Geologist

REGISTERED GEO
Scott G. Bitt
No. 7477
STATE OF CALIFORNIA

Attachment: Semi-Annual Groundwater Monitoring Report, First Quarter 2013

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

Date February 12, 2013

FOOTHILL MINI MART
SEMI-ANNUAL 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 2012 and First Quarter 2013):

1. On January 2, 2013, Stratus conducted first quarter 2013 groundwater monitoring and sampling activities at the site. During this event, monitoring wells MW-1 through MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B were gauged for depth to water and evaluated for the presence of free product. Following gauging, samples were collected and forwarded to a state-certified analytical laboratory for analysis.

WORK PROPOSED FOR NEXT PERIOD (Second and Third Quarters 2013):

1. Based on recent communication with ACEHD personnel, it is our understanding that ACEHD and the UST Cleanup Fund are in discussions as to whether the site can potentially qualify for environmental case closure under the State Water Resources Control Board's recently adopted Low Threat Closure Policy. Future environmental work activities at the site, including possible implementation of the June 21, 2012 CAP, will be based upon this determination.

2. If the site does not qualify for closure, the next groundwater monitoring and sampling event will be performed during the third quarter 2013.

Current Phase of Project:	SC; will request CAP/REM designation if remediation of site is deemed necessary by ACEHD and the UST Cleanup Fund
Frequency of Groundwater Sampling:	Semi-Annual (1st & 3rd): Wells MW-1 through MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B
Frequency of Groundwater Monitoring:	Semi-Annual (1st & 3rd): Wells MW-1 through MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B
Groundwater Sampling Date:	January 2, 2013
Is Free Product (FP) Present on Site:	No
Approx. Depth to Groundwater (Upper):	4.26 to 9.16 feet below top of well casing
Approx. Depth to Groundwater (Lower):	11.01 to 39.76 feet below top of well casing
Groundwater Flow Direction (Upper):	West-southwest (onsite), west-northwest (offsite to the south)
Approximate Groundwater Gradient (Upper):	0.03 to 0.04 ft/ft
Groundwater Flow Direction (Lower):	Not calculated
Approximate Groundwater Gradient (Lower):	Not calculated

DISCUSSION:

On January 2, 2013, Stratus conducted semi-annual 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, 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), low level 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 between 4.26 and 9.16 feet below the top of the well casing on January 2, 2013. Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). A west-southwest groundwater flow direction was observed onsite, and a west-northwest groundwater flow direction was observed south of Foothill Boulevard. Groundwater gradients ranged from approximately 0.03 to 0.04 ft/ft. Variable groundwater flow directions have been calculated during historical site work.

Groundwater beneath the site is impacted with GRO, BTEX, MTBE, and TBA. During the first quarter 2013 sampling event, GRO was detected in five of the eleven sampled wells (MW-2, MW-4, MW-6, MW-12A, and MW-13A), with a maximum concentration reported in offsite well MW-6 (3,500 micrograms per liter [µg/L]). Benzene was only detected in well MW-6 (61 µg/L). MTBE was reported in ten of the eleven sampled wells with a concentration range between 1.6 µg/L (MW-11) and 360 µg/L (MW-6). TBA was detected in samples collected from six of the shallow screened wells, at concentrations ranging from 26 µg/L (MW-13A) to 3,900 µg/L (MW-5). TAME, ETBE, DIPE, ethanol, and methanol were not reported in any of the shallow screened well samples during the first quarter 2013 sampling event. Figures 4 through 7 illustrate the interpreted lateral extent of GRO, benzene, MTBE, and TBA distribution in shallow groundwater, respectively, using data collected on January 2, 2013. The results of first quarter 2013 well sampling, and the general configuration of the plumes depicted on Figures 4 through 7, are generally consistent with the findings of previous work.

Deeper Screened Well Network

Depth to groundwater in the monitoring wells ranged from 11.01 to 39.76 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 first quarter 2013 are presented on Figure 8. MTBE and xylenes were reported in the sample collected from well MW-5B, at concentrations of 22 µg/L and 1.4 µg/L, respectively. Xylenes were also detected in the MW-6B (0.65 µg/L) and MW-12B (0.89 µg/L) samples. No GRO, benzene, toluene, ethylbenzene, TBA, DIPE, ETBE, TAME, ethanol, or methanol were detected in the deeper well samples. While MTBE concentrations in MW-5B remain relatively low, an increasing concentration trend is observed in samples collected from this well.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical Results for Oxygenates and Additives
- Table 3 Well Construction Detail Summary
- Figure 1 Site Location Map

- Figure 2 Groundwater Elevation Contour Map, Shallow Screened Wells (First Quarter 2013)
- Figure 3 Groundwater Elevation Map, Deep Screened Wells (First Quarter 2013)
- Figure 4 GRO Iso-Concentration Contour Map, Shallow Screened Wells (First Quarter 2013)
- Figure 5 Benzene Iso-Concentration Contour Map, Shallow Screened Wells (First Quarter 2013)
- Figure 6 MTBE Iso-Concentration Contour Map, Shallow Screened Wells (First Quarter 2013)
- Figure 7 TBA Iso-Concentration Contour Map, Shallow Screened Wells (First Quarter 2013)
- Figure 8 Groundwater Analytical Summary, Deep Screened Wells (First Quarter 2013)
- 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
	05/26/11	8.51	60.02	51.51	57	<0.50	<0.50	<0.50	<0.50	100
	12/13/11	10.54	60.02	49.48	<50	<0.50	<0.50	<0.50	<0.50	23
	07/23/12	10.82	60.02	49.20	<50	<0.50	<0.50	<0.50	<0.50	37
	01/02/13	6.15	60.02	53.87	<50	<0.50	<0.50	<0.50	0.58	11

TABLE 1
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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-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
	05/26/11	10.51	58.74	48.23	<500[3]	<2.5[3]	<2.5[3]	<2.5[3]	<2.5[3]	27
	12/13/11	9.50	58.74	49.24	270	<0.50	<0.50	<0.50	<0.50	22
	07/23/12	9.01	58.74	49.73	120	<0.50	<0.50	<0.50	<0.50	3.7
	01/02/13	6.23	58.74	52.51	150	<0.50	<0.50	<0.50	<0.50	5.9

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
	05/26/11	9.93	59.94	50.01	54	<0.50	<0.50	<0.50	<0.50	4.9
	12/13/11	10.52	59.94	49.42	<50	<0.50	<0.50	<0.50	<0.50	3.3
	07/23/12	10.64	59.94	49.30	<50	<0.50	<0.50	<0.50	<0.50	4.5
	01/02/13	8.47	59.94	51.47	<100[3]	<0.50	<0.50	<0.50	0.52	3.0

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-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
	05/26/11	5.87	58.19	52.32	4,000	<2.5[3]	<2.5[3]	2.6	<2.5[3]	3.7
	12/13/11	6.36	58.19	51.83	1,500	<0.50	0.54	0.55	1.21	8.2
	07/23/12	6.82	58.19	51.37	2,300	<1.0[3]	<1.0[3]	<1.0[3]	<1.0[3]	4.7
	01/02/13	4.64	58.19	53.55	1,200	<0.50	0.51	1.5	3.0	2.0

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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
	05/26/11	8.08	57.80	49.72	230	<1.0[3]	<1.0[3]	<1.0[3]	<1.0[3]	3.5
	12/13/11	8.63	57.80	49.17	<200[3]	<1.0[3]	<1.0[3]	<1.0[3]	<1.0[3]	2.8
	07/23/12	8.99	57.80	48.81	<100[3]	<0.50	<0.50	<0.50	<0.50	2.5
	01/02/13	6.24	57.80	51.56	<200[3]	<1.0[3]	<1.0[3]	<1.0[3]	1.3	3.0

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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-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
	05/26/11	5.73	57.01	51.28	5,500	54	<1.0[3]	23	30.4	230
	12/13/11	6.28	57.01	50.73	6,400	77	<2.5[3]	19	19	400
	07/23/12	6.88	57.01	50.13	5,800	54	<1.5[3]	9.4	9.3	320
	01/02/13	4.26	57.01	52.75	3,500	61	<2.5[3]	29	32.6	360

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-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
	05/26/11	11.15	58.66	47.51	<50	<0.50	<0.50	<0.50	<0.50	2.8
	12/13/11	9.41	58.66	49.25	<50	<0.50	<0.50	<0.50	<0.50	9.6
	07/23/12	11.20	58.66	47.46	<50	<0.50	<0.50	<0.50	<0.50	6.7
	01/02/13	8.46	58.66	50.20	<50	<0.50	<0.50	<0.50	1.2	5.0
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
	05/26/11	10.45	61.89	51.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/13/11	12.91	61.89	48.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/23/12	11.12	61.89	50.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/02/13	9.16	61.89	52.73	<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
	05/26/11	10.80	60.97	50.17	<50	<0.50	<0.50	<0.50	<0.50	17
	12/13/11	12.27	60.97	48.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/23/12	12.51	60.97	48.46	<50	<0.50	<0.50	<0.50	<0.50	1.6
	01/02/13	8.41	60.97	52.56	<50	<0.50	<0.50	<0.50	0.52	1.6

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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-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
	05/26/11	8.84	62.98	54.14	140	<0.50	<0.50	<0.50	<0.50	250
	12/13/11	9.45	62.98	53.53	240	<0.50	<0.50	<0.50	<0.50	420
	07/23/12	10.28	62.98	52.70	170	<0.50	<0.50	<0.50	<0.50	260
	01/02/13	6.71	62.98	56.27	72	<0.50	<0.50	<0.50	0.69	140
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
	05/26/11	6.37	60.90	54.53	840	<0.50	<0.50	<0.50	<0.50	8.3
	12/13/11	6.59	60.90	54.31	1,500	<0.50	<0.50	<0.50	<0.50	6.8
	07/23/12	6.68	60.90	54.22	970	<0.50	<0.50	<0.50	<0.50	2.1
	01/02/13	4.81	60.90	56.09	970	<1.0[3]	<1.0[3]	<1.0[3]	<1.0[3]	3.7
REMEDIATION WELL										
EX-1	05/26/11	10.26	NM	NM	600	<2.5[3]	<2.5[3]	<2.5[3]	<2.5[3]	730
	12/13/11	NM	NM	NM	--	--	--	--	--	--
	07/23/12	NM	NM	NM	--	--	--	--	--	--
	01/02/13	Not scheduled for gauging or sampling								

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)
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
	05/26/11	12.51	57.69	45.18	<50	<0.50	<0.50	<0.50	<0.50	3.2
	12/13/11	11.94	57.69	45.75	<50	<0.50	<0.50	<0.50	<0.50	7.5
	07/23/12	13.06	57.69	44.63	<50	<0.50	<0.50	<0.50	<0.50	16
	01/02/13	11.01	57.69	46.68	<50	<0.50	<0.50	<0.50	1.4	22
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
	05/26/11	36.70	56.71	20.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/13/11	39.80	56.71	16.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/23/12	38.40	56.71	18.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/02/13	39.22	56.71	17.49	<50	<0.50	<0.50	<0.50	0.65	<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
	05/26/11	34.74	62.94	28.20	<50	<0.50	<0.50	<0.50	<0.50	0.80
	12/13/11	38.91	62.94	24.03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/23/12	38.34	62.94	24.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/02/13	39.76	62.94	23.18	<50	<0.50	<0.50	<0.50	0.89	<0.50

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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)

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	--	--
	05/26/11	100	81	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	23	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	37	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	11	<10	<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	--	--
	05/26/11	27	5,400	<5.0[1]	<5.0[1]	<5.0[1]	<50	<5.0	--	--
	12/13/11	22	840	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	3.7	510	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	5.9	950	<1.0	<1.0	<1.0	<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	--	--
	05/26/11	4.9	590	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	3.3	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	4.5	14	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	3.0	440	<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	--	--
	05/26/11	3.7	1,400	<5.0[1]	<5.0[1]	<5.0[1]	<50	<5.0	--	--
	12/13/11	8.2	1,700	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	4.7	2,400	<2.0 [1]	<2.0 [1]	<2.0 [1]	<50	<5.0	--	--
	01/02/13	2.0	1,200	<1.0	<1.0	<1.0	<50	<5.0	--	--

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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	--	--
	05/26/11	3.5	1,300	<2.0[1]	<2.0[1]	<2.0[1]	<50	<5.0	--	--
	12/13/11	2.8	2,800	<2.0[1]	<2.0[1]	<2.0[1]	<50	<5.0	--	--
	07/23/12	2.5	1,400	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	3.0	3,900	<2.0[1]	<2.0[1]	<2.0[1]	<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	--	--
	05/26/11	230	640	<2.0[1]	<2.0[1]	<2.0[1]	<50	<5.0	--	--
	12/13/11	400	1,200	<5.0[1]	<5.0[1]	<5.0[1]	<50	<5.0	--	--
	07/23/12	320	1,200	<3.0[1]	<3.0[1]	21	<50	<5.0	--	--
	01/02/13	360	1,300	<5.0[1]	<5.0[1]	<5.0[1]	<50	<5.0	--	--

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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	--	--
	05/26/11	2.8	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	9.6	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	6.7	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	5.0	<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	--	--
	05/26/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	<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	--	--
	05/26/11	17	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	1.6	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	1.6	<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	--	--
	05/26/11	250	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	420	66	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	260	90	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	140	<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	--	--
	05/26/11	8.3	33	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	6.8	27	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	2.1	12	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	3.7	26	<2.0[1]	<2.0[1]	<2.0[1]	<50	<5.0	--	--
REMEDIATION WELL										
EX-1	05/26/11	730	6,700	<5.0[1]	<5.0[1]	<5.0[1]	<50	<5.0	--	--
	12/13/11	--	--	--	--	--	--	--	--	--
	07/23/12	--	--	--	--	--	--	--	--	--
	01/02/13	Not scheduled for sampling								

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)
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	--	--
	05/26/11	3.2	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	7.5	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	16	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	22	<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	--	--
	05/26/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	<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	--	--
	05/26/11	0.80	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	12/13/11	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	07/23/12	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
	01/02/13	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--

Legend/Key:

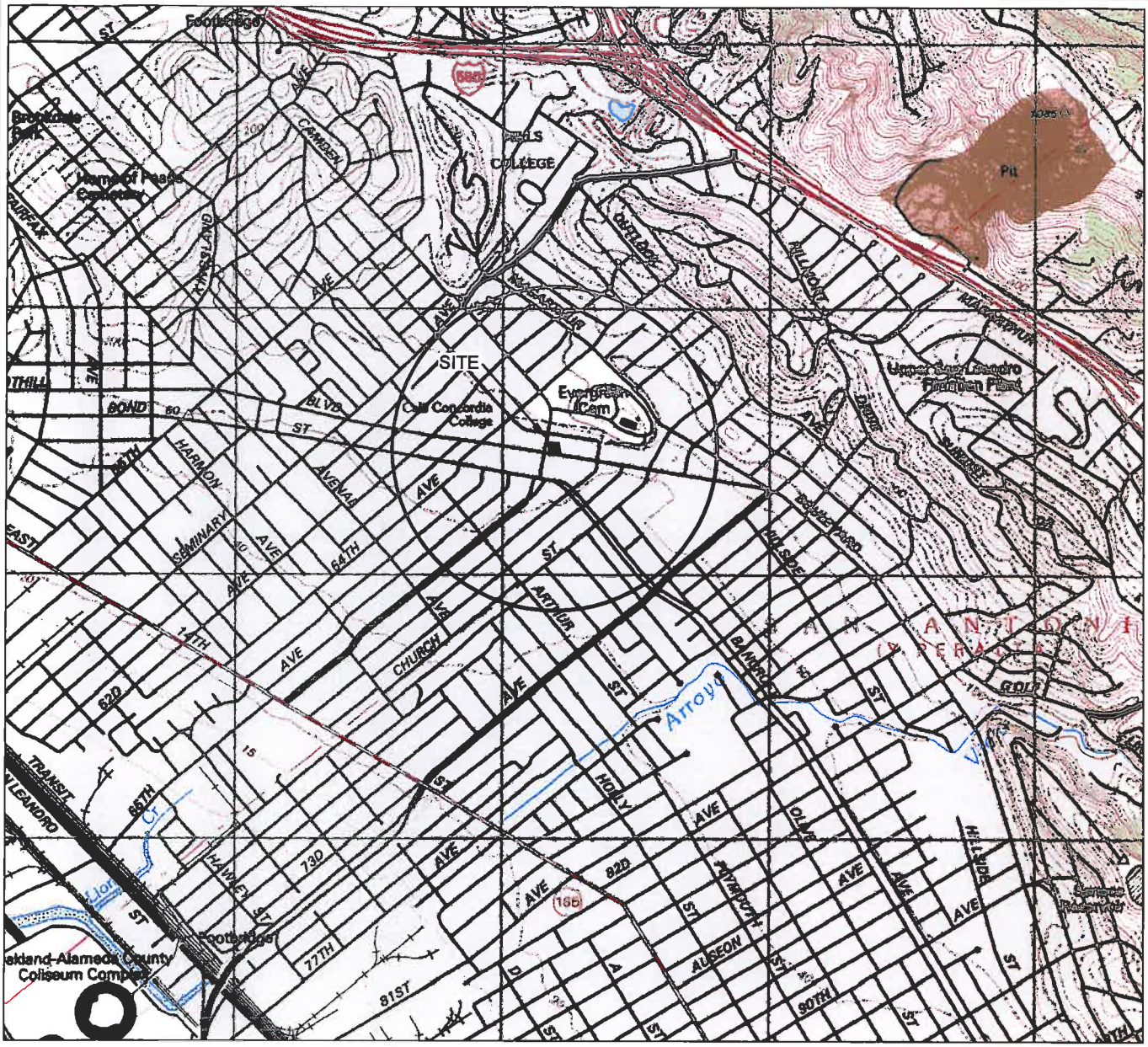
MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ND= "not-detected" or below the Method Detection Limits
--= Not available/not analyzed
mg/L = 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
Remediation Wells								
EX-1	04/04/11	30	10	4	30	10-30	0.02	HSA
IW-1A/B	04/06/11	28	8	1	21.5	20.5-21.5	0.02	HSA
				1	27	25-27	microporous	
IW-2A/B	04/06/11	28	8	1	21.5	20.5-21.5	0.02	HSA
				1	27	25-27	microporous	
Soil Gas Monitoring Wells								
SGW-1	04/06/11	2.5	6	0.25	2.5	2-2.5	mesh	hand digging
SGW-2	04/07/11	1.5	6	0.25	1.5	1-1.5	mesh	hand digging

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

0 2000 FT

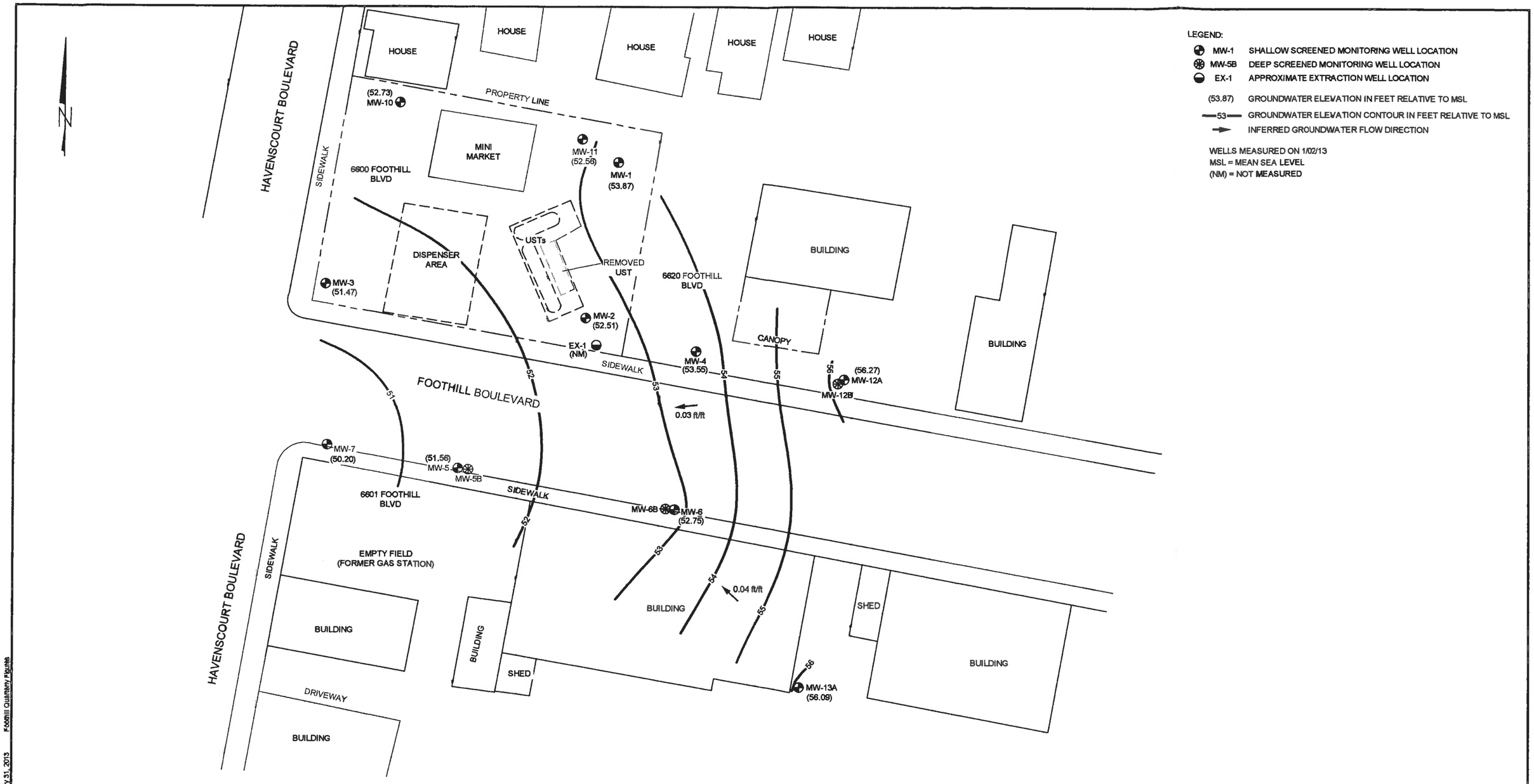
SCALE 1:24,000

STRATUS ENVIRONMENTAL, INC.

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2087-6600-01



LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- EX-1 APPROXIMATE EXTRACTION WELL LOCATION
- (53.87) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
- —53— GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
- INFERRED GROUNDWATER FLOW DIRECTION

WELLS MEASURED ON 1/02/13
MSL = MEAN SEA LEVEL
(NM) = NOT MEASURED

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

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

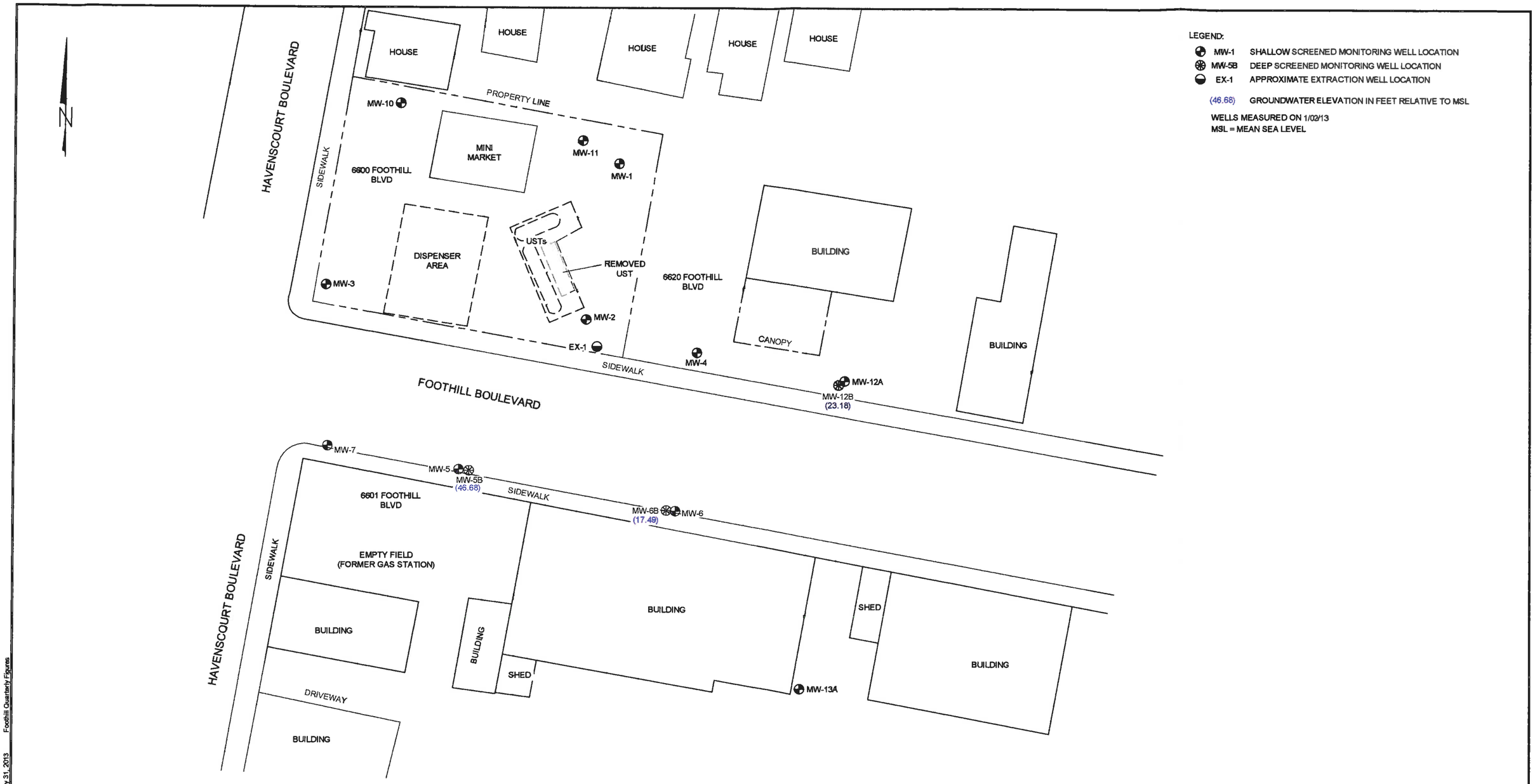
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
SHALLOW SCREENED WELLS
1st QUARTER 2013

FIGURE
2

PROJECT NO.
2087-6600-01

Foothill Mini Mart/Quarterly JMP REV January 31, 2013 Foothill Quarterly Figures



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

Foothill Mini Mart\Quarterly JMP REV January 31, 2013 Foothill Quarterly Figures

STRATUS ENVIRONMENTAL, INC.

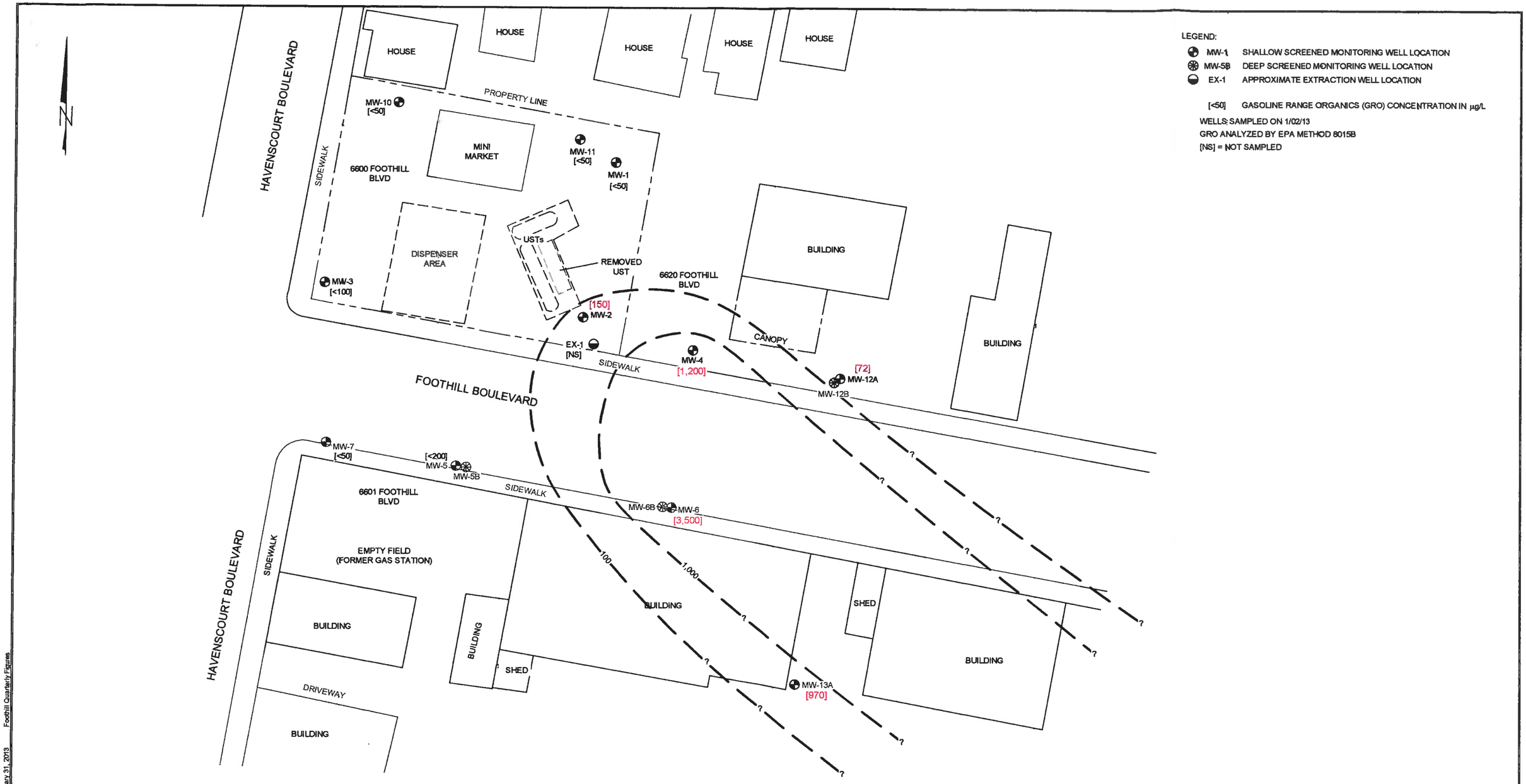
0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION MAP
DEEP SCREENED WELLS
1st QUARTER 2013

FIGURE
3

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

GRO ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
1st QUARTER 2013

FIGURE
4

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly Foothill Quarterly Figures JMP REV January 31, 2013

LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- EX-1 APPROXIMATE EXTRACTION WELL LOCATION

[<0.50] BENZENE CONCENTRATION IN µg/L

WELLS SAMPLED ON 1/02/13
BENZENE ANALYZED BY EPA METHOD 8260B
[NS] = NOT SAMPLED

N

HAVENSCOURT BOULEVARD

FOOTHILL BOULEVARD

SIDEWALK

PROPERTY LINE

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

MW-10 [<0.50]

MINI MARKET

6600 FOOTHILL BLVD

MW-11 [<0.50]

MW-1 [<0.50]

DISPENSER AREA

USTs

REMOVED UST

MW-3 [<0.50]

MW-2 [<0.50]

6620 FOOTHILL BLVD

BUILDING

CANOPY

BUILDING

EX-1 [NS]

SIDEWALK

MW-4 [<0.50]

[<0.50] MW-12A

MW-12B

MW-7 [<0.50]

[<1.0] MW-5

MW-5B

SIDEWALK

6601 FOOTHILL BLVD

MW-6B

MW-6 [61]

1.0

10

1.0

EMPTY FIELD (FORMER GAS STATION)

SIDEWALK

BUILDING

BUILDING

SHED

BUILDING

SHED

BUILDING

DRIVEWAY

BUILDING

MW-13A [<1.0]

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

STRATUS ENVIRONMENTAL, INC.

0 40 FT

SCALE

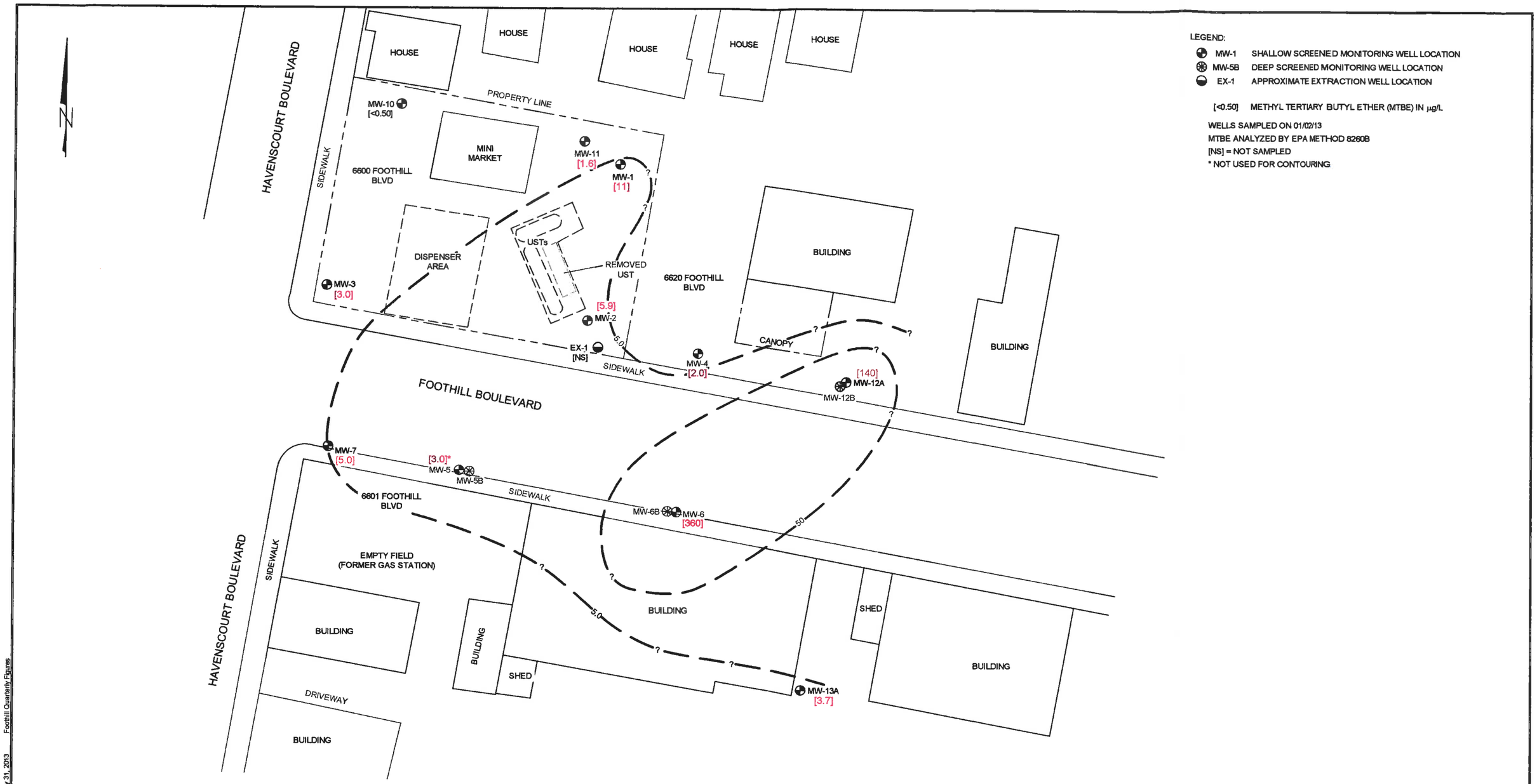
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

BENZENE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
1st QUARTER 2013

FIGURE
5

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 31, 2013 Foothill Quarterly Figures



LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- EX-1 APPROXIMATE EXTRACTION WELL LOCATION

[<0.50] METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

WELLS SAMPLED ON 01/02/13
MTBE ANALYZED BY EPA METHOD 8260B
[NS] = NOT SAMPLED
* NOT USED FOR CONTOURING

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

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

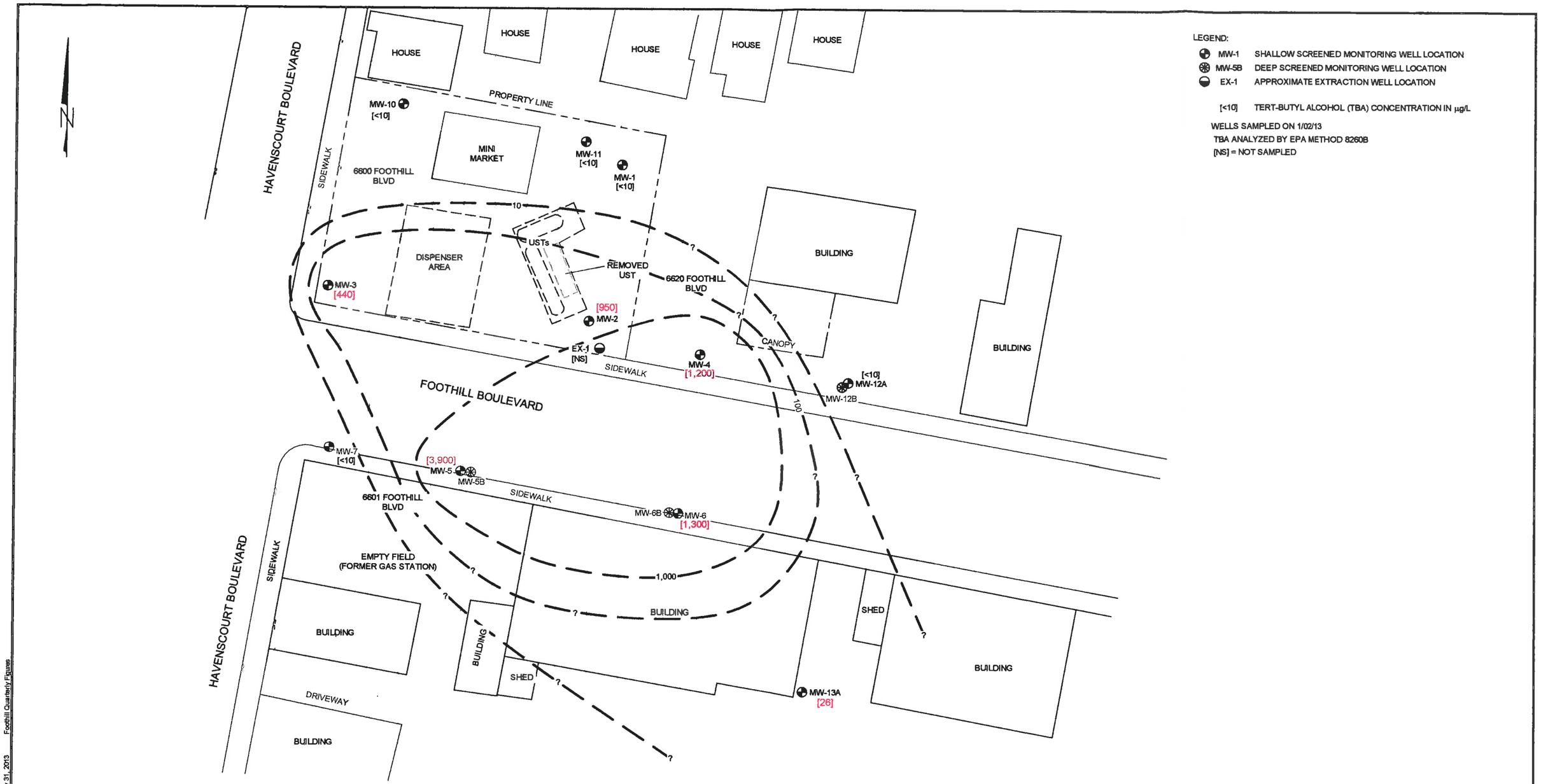
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

MTBE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
1st QUARTER 2013

FIGURE
6

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 31, 2013 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

TBA ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
1st QUARTER 2013

FIGURE
7

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 31, 2013 Foothill Quarterly Figures

LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- EX-1 APPROXIMATE EXTRACTION WELL LOCATION

[<50] GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN µg/L
[<50] BENZENE CONCENTRATION IN µg/L
[<0.50] METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L
[<10] TERT-BUTYL ALCOHOL (TBA) CONCENTRATION IN µg/L

WELLS SAMPLED ON 1/02/13
GRO ANALYZED BY EPA METHOD 8015B
TBA, MTBE, & BENZENE ANALYZED BY EPA METHOD 8260B

N

HAVENSCOURT BOULEVARD

SIDEWALK

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

PROPERTY LINE

MW-10

6600 FOOTHILL BLVD

MINI MARKET

MW-11

MW-1

DISPENSER AREA

USTs

REMOVED UST

MW-3

MW-2

6620 FOOTHILL BLVD

BUILDING

CANOPY

BUILDING

EX-1

SIDEWALK

MW-4

FOOTHILL BOULEVARD

MW-12A

MW-12B

<50
<0.50
<0.50
<10

MW-7

MW-5

MW-5B

<50
<0.50
22
<10

SIDEWALK

<50
<0.50
<0.50
<10

MW-6B

MW-6

6601 FOOTHILL BLVD

EMPTY FIELD (FORMER GAS STATION)

BUILDING

BUILDING

SHED

BUILDING

SHED

BUILDING

MW-13A

BUILDING

DRIVEWAY

BUILDING

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
1st QUARTER 2013

FIGURE
8

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV January 31, 2013 Foothill Quarterly Figures

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

Site Address: 6600 Foothill Blvd
City: Oakland
Sampled by: Carl Schulze
Signature:

Site Number: Foothill Mini Mart
Project Number: 2087-6600-01
Project PM: Scott Bittinger
DATE: 01/02/13

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)	Diameter (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	1517		6.15	24.15	18.00	2"	0.5	9	9					12.70	MW-1	1600	3.37
MW-2	1726		6.23	24.02	17.79	2"	0.5	9	9					16.64	MW-2	1749	4.82
MW-3	1627		8.47	23.58	14.61	2"	0.5	7	7					4.23	MW-3	1700	2.38
MW-4	1307		4.64	17.93	13.29	2"	0.5	6.5	6.5					5.66	MW-4	1355	3.56
MW-5	0585		6.24	19.36	13.12	2"	0.5	6.5	6.5					6.95	MW-5	0925	3.97
MW-5B	0337		11.01	45.13	34.12	2"	0.5	17	17					32.56	MW-5B	0947	6.45
MW-6	1018		4.26	18.62	14.36	2"	0.5	7	7					9.70	MW-6	1043	3.17
MW-6B	0957		39.22	[illegible]	10.66	2"	0.5	5	5					43.61	MW-6B	1030	4.11
MW-7	0749		8.96	24.65	16.22	2"	0.5	8	8					19.15	MW-7	0812	3.10
MW-10	1628		9.16	24.90	15.74	2"	0.5	7.5	7.5					17.36	MW-10	1710	2.57
MW-11	1545		8.41	24.71	16.30	2"	0.5	8	8					10.14	MW-11	1610	2.87
MW-12A	1340		6.71	21.48	14.77	2"	0.5	7	7					11.47	MW-12A	1411	2.85
MW-12B	1304		39.76	43.30	3.54	2"	0.5	1.5	1.5					41.61	MW-12B	1403	3.27
MW-13A	1107		4.81	24.87	20.06	2"	0.5	10	10					9.55	MW-13A	1123	2.56

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

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

CALIBRATION DATE
pH
Conductivity
DO

T:\Forms

STRATUS ENVIRONMENTAL, INC.

Site Address: 6600 Foothill Blvd
City: Oakland
Sampled By: Carl Schulze
Signature:

Site Number: Foothill Mini Mart
Project Number: 2087-6600-01
Project PM: Scott Bittinger
DATE: 01/02/13

Well ID MW-7

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 0755	16.8	7.32	546µ	0
time 0805	17.9	6.93	522µ	3
time 0803	18.4	6.89	534µ	6
time 0812	14.8	6.89	579µ	8

purge stop time DO 3.10 | ORP 77

Well ID MW-5

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 0844	17.2	7.00	392µ	0
time 0849	17.2	7.01	411µ	3
time 0925	16.4	6.95	479µ	6.5
time				

purge stop time DO 3.97 | ORP 68

Well ID MW-5B

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 0856	17.2	7.16	515µ	0
time 0906	17.7	7.15	527µ	5
time 0914	17.3	7.15	541µ	10
time 0942	16.0	7.31	520µ	17

purge stop time DO 6.45 | ORP 90

Well ID MW-6

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 1021	16.3	6.72	708µ	0
time 1025	17.0	6.68	702µ	3
time 1093	15.9	6.87	662µ	7
time				

purge stop time DO 3.18 | ORP 51

Well ID MW-6B

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 1010	17.3	7.31	436µ	0
time 1014	17.5	7.27	424µ	2.5
time 1030	16.1	7.20	447µ	5
time				

purge stop time DO 4.11 | ORP 57

Well ID MW-13A

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 1111	17.4	7.14	406µ	0
time 1115	17.0	7.00	407µ	3
time 1119	17.7	6.96	424µ	6
time 1123	17.9	6.94	435µ	10

purge stop time DO 2.56 | ORP 9

Well ID MW-4

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 1322	18.5	6.76	580µ	0
time 1327	17.9	6.69	515µ	3
time 1355	17.5	6.83	530µ	6.5
time				

purge stop time DO 3.56 | ORP 14

Well ID MW-12A

Purge start time | Odor Y N

	Temp C	pH	cond	gallons
time 1343	19.3	6.98	415µ	0
time 1348	19.4	6.79	417µ	3
time 1401	19.1	6.98	434µ	7
time				

purge stop time DO 2.85 | ORP 9

STRATUS ENVIRONMENTAL, INC.

Site Address: 6600 Foothill Blvd
City: Oakland
Sampled By: Carl Schulze
Signature:

Site Number: Foothill Mini Mart
Project Number: 2087-6600-01
Project PM: Scott Bittinger
DATE: 01/02/13

Well ID MW-12S

Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1336	18.8	7.07	621µ	0
time 1403	18.2	7.13	230µ	1.5
time				
time				
purge stop time DO 3.27			ORP 6	

Well ID MW-1

Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1525	18.1	6.62	521µ	0
time 1531	17.4	6.26	503µ	3
time 1542	18.6	6.32	516µ	6
time 1600	17.9	6.10	513µ	9
purge stop time DO 3.37			ORP 47	

Well ID MW-11

Purge start time			Odor Y (N)	
	Temp C	pH	cond	gallons
time 1547	17.5	6.20	762µ	0
time 1554	17.7	6.19	804µ	4
time 1610	17.5	6.36	789µ	8
time				
purge stop time DO 2.87			ORP 57	

Well ID MW-3

Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time 1637	19.5	6.54	484µ	0
time 1642	19.6	6.55	501µ	3
time 1700	18.6	6.41	489µ	7
time				
purge stop time DO 2.38			ORP 61	

Well ID MW-10

Purge start time MW-10			Odor Y N	
	Temp C	pH	cond	gallons
time 1650	17.3	6.64	524µ	0
time 1654	17.5	6.60	475µ	3
time 1710	16.5	6.67	525µ	7.5
time				
purge stop time DO 2.57			ORP 70	

Well ID MW-2

Purge start time			Odor Y N	
	Temp C	pH	cond	gallons
time 1733	18.8	6.53	736µ	0
time 1738	19.0	6.57	712µ	3
time 1741	19.0	6.53	737µ	6
time 1749	18.3	6.83	725µ	9
purge stop time DO 4.82			ORP 62	

Well ID

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

Well ID

Purge start time			Odor Y N	
	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 : 01/04/13

Job: 2087-6600-01/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 : STR13010445-01A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 16:00 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-2**				
Lab ID : STR13010445-02A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 17:49 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-3**				
Lab ID : STR13010445-03A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 17:00 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-4**				
Lab ID : STR13010445-04A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 13:55 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-5**				
Lab ID : STR13010445-05A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 09:25 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-5B**				
Lab ID : STR13010445-06A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 09:42 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-6**				
Lab ID : STR13010445-07A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 10:43 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-6B**				
Lab ID : STR13010445-08A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 10:30 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-7**				
Lab ID : STR13010445-09A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 08:12 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-10**				
Lab ID : STR13010445-10A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 17:10 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-11**				
Lab ID : STR13010445-11A Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 16:10 Ethanol	ND	5.0 µg/L	01/09/13	01/09/13

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Client ID: **MW-12A**					
Lab ID : STR13010445-12A	Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 14:11	Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-12B**					
Lab ID : STR13010445-13A	Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 14:03	Ethanol	ND	5.0 µg/L	01/09/13	01/09/13
Client ID: **MW-13A**					
Lab ID : STR13010445-14A	Methanol	ND	50 µg/L	01/09/13	01/09/13
Date Sampled 01/02/13 11:23	Ethanol	ND	5.0 µg/L	01/09/13	01/09/13

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) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

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

✔

1/11/13

Report Date

Alpha Analytical, Inc.

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(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 : 01/04/13

Job: 2087-6600-01/Foothill Mini Mart

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

	Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID : MW-1						
Lab ID : STR13010445-01A	TPH-P (GRO)	ND		50 µg/L	01/07/13	01/07/13
Date Sampled 01/02/13 16:00	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	01/07/13	01/07/13
	Methyl tert-butyl ether (MTBE)	11		0.50 µg/L	01/07/13	01/07/13
	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
	Benzene	ND		0.50 µg/L	01/07/13	01/07/13
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
	Toluene	ND		0.50 µg/L	01/07/13	01/07/13
	Ethylbenzene	ND		0.50 µg/L	01/07/13	01/07/13
	m,p-Xylene	0.58		0.50 µg/L	01/07/13	01/07/13
	o-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
Client ID : MW-2						
Lab ID : STR13010445-02A	TPH-P (GRO)	150		50 µg/L	01/07/13	01/07/13
Date Sampled 01/02/13 17:49	Tertiary Butyl Alcohol (TBA)	950		10 µg/L	01/07/13	01/07/13
	Methyl tert-butyl ether (MTBE)	5.9		0.50 µg/L	01/07/13	01/07/13
	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
	Benzene	ND		0.50 µg/L	01/07/13	01/07/13
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
	Toluene	ND		0.50 µg/L	01/07/13	01/07/13
	Ethylbenzene	ND		0.50 µg/L	01/07/13	01/07/13
	m,p-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
	o-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
Client ID : MW-3						
Lab ID : STR13010445-03A	TPH-P (GRO)	ND	V	100 µg/L	01/11/13	01/11/13
Date Sampled 01/02/13 17:00	Tertiary Butyl Alcohol (TBA)	440		10 µg/L	01/11/13	01/11/13
	Methyl tert-butyl ether (MTBE)	3.0		0.50 µg/L	01/11/13	01/11/13
	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/11/13	01/11/13
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/11/13	01/11/13
	Benzene	ND		0.50 µg/L	01/11/13	01/11/13
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/11/13	01/11/13
	Toluene	ND		0.50 µg/L	01/11/13	01/11/13
	Ethylbenzene	ND		0.50 µg/L	01/11/13	01/11/13
	m,p-Xylene	0.52		0.50 µg/L	01/11/13	01/11/13
	o-Xylene	ND		0.50 µg/L	01/11/13	01/11/13

Alpha Analytical, Inc.

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Client ID :	MW-4						
Lab ID :	STR13010445-04A	TPH-P (GRO)	1,200		100 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 13:55	Tertiary Butyl Alcohol (TBA)	1,200		10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	2.0		0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
		Benzene	ND		0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
		Toluene	0.51		0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	1.5		0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	1.8		0.50 µg/L	01/07/13	01/07/13
		o-Xylene	1.2		0.50 µg/L	01/07/13	01/07/13
Client ID :	MW-5						
Lab ID :	STR13010445-05A	TPH-P (GRO)	ND	V	200 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 09:25	Tertiary Butyl Alcohol (TBA)	3,900		20 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	3.0		1.0 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Benzene	ND	V	1.0 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Toluene	ND	V	1.0 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	V	1.0 µg/L	01/07/13	01/07/13
		m,p-Xylene	1.3		1.0 µg/L	01/07/13	01/07/13
		o-Xylene	ND	V	1.0 µg/L	01/07/13	01/07/13
Client ID :	MW-5B						
Lab ID :	STR13010445-06A	TPH-P (GRO)	ND		50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 09:42	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	22		0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
		Benzene	ND		0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
		Toluene	ND		0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND		0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	1.4		0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
Client ID :	MW-6						
Lab ID :	STR13010445-07A	TPH-P (GRO)	3,500		500 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 10:43	Tertiary Butyl Alcohol (TBA)	1,300		50 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	360		2.5 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	V	5.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	5.0 µg/L	01/07/13	01/07/13
		Benzene	61		2.5 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	V	5.0 µg/L	01/07/13	01/07/13
		Toluene	ND	V	2.5 µg/L	01/07/13	01/07/13
		Ethylbenzene	29		2.5 µg/L	01/07/13	01/07/13
		m,p-Xylene	29		2.5 µg/L	01/07/13	01/07/13
		o-Xylene	3.6		2.5 µg/L	01/07/13	01/07/13

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Client ID :	**MW-6B**					
Lab ID :	STR13010445-08A	TPH-P (GRO)	ND	50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 10:30	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	01/07/13	01/07/13
		Benzene	ND	0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	01/07/13	01/07/13
		Toluene	ND	0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	0.65	0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND	0.50 µg/L	01/07/13	01/07/13
Client ID :	**MW-7**					
Lab ID :	STR13010445-09A	TPH-P (GRO)	ND	50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 08:12	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	5.0	0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	01/07/13	01/07/13
		Benzene	ND	0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	01/07/13	01/07/13
		Toluene	ND	0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	1.2	0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND	0.50 µg/L	01/07/13	01/07/13
Client ID :	**MW-10**					
Lab ID :	STR13010445-10A	TPH-P (GRO)	ND	50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 17:10	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	01/07/13	01/07/13
		Benzene	ND	0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	01/07/13	01/07/13
		Toluene	ND	0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	ND	0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND	0.50 µg/L	01/07/13	01/07/13
Client ID :	**MW-11**					
Lab ID :	STR13010445-11A	TPH-P (GRO)	ND	50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 16:10	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	1.6	0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	01/07/13	01/07/13
		Benzene	ND	0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	01/07/13	01/07/13
		Toluene	ND	0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	0.52	0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND	0.50 µg/L	01/07/13	01/07/13

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Client ID :	**MW-12A**						
Lab ID :	STR13010445-12A	TPH-P (GRO)	72		50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 14:11	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	140		0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
		Benzene	ND		0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
		Toluene	ND		0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND		0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	0.69		0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
Client ID :	**MW-12B**						
Lab ID :	STR13010445-13A	TPH-P (GRO)	ND		50 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 14:03	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	ND		0.50 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	01/07/13	01/07/13
		Benzene	ND		0.50 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	01/07/13	01/07/13
		Toluene	ND		0.50 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND		0.50 µg/L	01/07/13	01/07/13
		m,p-Xylene	0.89		0.50 µg/L	01/07/13	01/07/13
		o-Xylene	ND		0.50 µg/L	01/07/13	01/07/13
Client ID :	**MW-13A**						
Lab ID :	STR13010445-14A	TPH-P (GRO)	970		200 µg/L	01/07/13	01/07/13
Date Sampled	01/02/13 11:23	Tertiary Butyl Alcohol (TBA)	26		20 µg/L	01/07/13	01/07/13
		Methyl tert-butyl ether (MTBE)	3.7		1.0 µg/L	01/07/13	01/07/13
		Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Benzene	ND	V	1.0 µg/L	01/07/13	01/07/13
		Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	01/07/13	01/07/13
		Toluene	ND	V	1.0 µg/L	01/07/13	01/07/13
		Ethylbenzene	ND	V	1.0 µg/L	01/07/13	01/07/13
		m,p-Xylene	ND	V	1.0 µg/L	01/07/13	01/07/13
		o-Xylene	ND	V	1.0 µg/L	01/07/13	01/07/13

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 Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

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

1/11/13

Report Date

Alpha Analytical, Inc.

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VOC Sample Preservation Report

Work Order: STR13010445 **Job:** 2087-6600-01/Foothill Mini Mart

Alpha's Sample ID	Client's Sample ID	Matrix	pH
13010445-01A	MW-1	Aqueous	2
13010445-02A	MW-2	Aqueous	2
13010445-03A	MW-3	Aqueous	2
13010445-04A	MW-4	Aqueous	2
13010445-05A	MW-5	Aqueous	2
13010445-06A	MW-5B	Aqueous	2
13010445-07A	MW-6	Aqueous	2
13010445-08A	MW-6B	Aqueous	2
13010445-09A	MW-7	Aqueous	2
13010445-10A	MW-10	Aqueous	2
13010445-11A	MW-11	Aqueous	2
13010445-12A	MW-12A	Aqueous	2
13010445-13A	MW-12B	Aqueous	2
13010445-14A	MW-13A	Aqueous	2

1/11/13

Report Date

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Date: *11-Jan-13*

QC Summary Report

Work Order: 13010445

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\130109\13010907.D** Batch ID: **30221** Analysis Date: **01/09/2013 13:40**

Sample ID: **MBLK-30221** Units : **µg/L** Run ID: **MSD_11_130109A** Prep Date: **01/09/2013 09:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	50								
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	542		500		108	58	133			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\130109\13010912.D** Batch ID: **30221** Analysis Date: **01/09/2013 15:35**

Sample ID: **LCS-30221** Units : **µg/L** Run ID: **MSD_11_130109A** Prep Date: **01/09/2013 09:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	261	50	250		105	49	138			
Ethanol	293	5	250		117	66	152			
Surr: Hexafluoro-2-propanol	507		500		101	58	133			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\130109\13010915.D** Batch ID: **30221** Analysis Date: **01/09/2013 16:35**

Sample ID: **13010445-01AMS** Units : **µg/L** Run ID: **MSD_11_130109A** Prep Date: **01/09/2013 09:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	386	50	250	0	154	43	147			M1
Ethanol	493	5	250	0	197	63	152			M1
Surr: Hexafluoro-2-propanol	551		500		110	58	133			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\130109\13010916.D** Batch ID: **30221** Analysis Date: **01/09/2013 16:55**

Sample ID: **13010445-01AMSD** Units : **µg/L** Run ID: **MSD_11_130109A** Prep Date: **01/09/2013 09:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	308	50	250	0	123	43	147	386	22.5(26)	
Ethanol	473	5	250	0	189	63	152	493.2	4.1(26)	M1
Surr: Hexafluoro-2-propanol	516		500		103	58	133			

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.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

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Date: *11-Jan-13*

QC Summary Report

Work Order: 13010445

Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13010706.D** Batch ID: **MS12W0107B** Analysis Date: **01/07/2013 13:32**

Sample ID: **MBLK MS12W0107B** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 13:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	8.03		10		80	70	130			
Surr: Toluene-d8	10.8		10		108	70	130			
Surr: 4-Bromofluorobenzene	10.5		10		105	70	130			

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13010704.D** Batch ID: **MS12W0107B** Analysis Date: **01/07/2013 12:25**

Sample ID: **GLCS MS12W0107B** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 12:25**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	356	50	400		89	70	130			
Surr: 1,2-Dichloroethane-d4	8.26		10		83	70	130			
Surr: Toluene-d8	10.8		10		108	70	130			
Surr: 4-Bromofluorobenzene	9.78		10		98	70	130			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13010719.D** Batch ID: **MS12W0107B** Analysis Date: **01/07/2013 18:28**

Sample ID: **13010445-01AGS** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 18:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1400	250	2000	0	70	54	143			
Surr: 1,2-Dichloroethane-d4	44.3		50		89	70	130			
Surr: Toluene-d8	53.4		50		107	70	130			
Surr: 4-Bromofluorobenzene	48.9		50		98	70	130			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **13010720.D** Batch ID: **MS12W0107B** Analysis Date: **01/07/2013 18:51**

Sample ID: **13010445-01AGSD** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 18:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1470	250	2000	0	74	54	143	1397	5.3(23)	
Surr: 1,2-Dichloroethane-d4	42.4		50		85	70	130			
Surr: Toluene-d8	52.4		50		105	70	130			
Surr: 4-Bromofluorobenzene	49		50		98	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: *11-Jan-13*

QC Summary Report

Work Order: 13010445

Method Blank

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

File ID: **13010706.D** Batch ID: **MS12W0107A** Analysis Date: **01/07/2013 13:32**

Sample ID: **MBLK MS12W0107A** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 13:32**

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	8.03		10		80	70	130			
Surr: Toluene-d8	10.8		10		108	70	130			
Surr: 4-Bromofluorobenzene	10.5		10		105	70	130			

Laboratory Control Spike

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

File ID: **13010705.D** Batch ID: **MS12W0107A** Analysis Date: **01/07/2013 12:47**

Sample ID: **LCS MS12W0107A** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 12:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.8	0.5	10		108	63	137			
Benzene	11.4	0.5	10		114	70	130			
Toluene	11.2	0.5	10		112	80	120			
Ethylbenzene	11.9	0.5	10		119	80	120			
m,p-Xylene	11	0.5	10		110	65	139			
o-Xylene	10.9	0.5	10		109	70	130			
Surr: 1,2-Dichloroethane-d4	8.22		10		82	70	130			
Surr: Toluene-d8	10.9		10		109	70	130			
Surr: 4-Bromofluorobenzene	9.4		10		94	70	130			

Sample Matrix Spike

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

File ID: **13010717.D** Batch ID: **MS12W0107A** Analysis Date: **01/07/2013 17:42**

Sample ID: **13010445-01AMS** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 17:42**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	63	1.3	50	10.53	105	56	140			
Benzene	48.3	1.3	50	0	97	67	134			
Toluene	45.9	1.3	50	0	92	38	130			
Ethylbenzene	49.8	1.3	50	0	100	70	130			
m,p-Xylene	45.1	1.3	50	0.58	89	65	139			
o-Xylene	45.4	1.3	50	0	91	69	130			
Surr: 1,2-Dichloroethane-d4	45.1		50		90	70	130			
Surr: Toluene-d8	52.7		50		105	70	130			
Surr: 4-Bromofluorobenzene	46.9		50		94	70	130			

Sample Matrix Spike Duplicate

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

File ID: **13010718.D** Batch ID: **MS12W0107A** Analysis Date: **01/07/2013 18:05**

Sample ID: **13010445-01AMSD** Units : **µg/L** Run ID: **MSD_12_130107A** Prep Date: **01/07/2013 18:05**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	61.2	1.3	50	10.53	101	56	140	63.02	3.0(40)	
Benzene	48.8	1.3	50	0	98	67	134	48.29	1.1(21)	
Toluene	46.5	1.3	50	0	93	38	130	45.94	1.2(20)	
Ethylbenzene	50.6	1.3	50	0	101	70	130	49.75	1.6(20)	
m,p-Xylene	46.1	1.3	50	0.58	91	65	139	45.08	2.2(20)	
o-Xylene	45.9	1.3	50	0	92	69	130	45.41	1.0(20)	
Surr: 1,2-Dichloroethane-d4	41.8		50		84	70	130			
Surr: Toluene-d8	52.4		50		105	70	130			
Surr: 4-Bromofluorobenzene	46.8		50		94	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: *11-Jan-13*

QC Summary Report

Work Order: 13010445

Comments:

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

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

CA

WorkOrder : STR13010445

Report Due By : 5:00 PM On : 11-Jan-13

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 : Carl Schulze

PO :

Client's COC # : 10584, 10572 Job : 2087-6600-01/Foothill Mini Mart

Cooler Temp	Samples Received	Date Printed
5 °C	04-Jan-13	04-Jan-13

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
STR13010445-01A	MW-1	AQ	01/02/13 16:00	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-02A	MW-2	AQ	01/02/13 17:49	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-03A	MW-3	AQ	01/02/13 17:00	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-04A	MW-4	AQ	01/02/13 13:55	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-05A	MW-5	AQ	01/02/13 09:25	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-06A	MW-5B	AQ	01/02/13 09:42	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-07A	MW-6	AQ	01/02/13 10:43	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						
STR13010445-08A	MW-6B	AQ	01/02/13 10:30	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C						

Comments: Security seals intact. Frozen ice. Low level Alcohols per COC. ;

	Signature	Print Name	Company	Date/Time
Logged in by:		Susan Neri	Alpha Analytical, Inc.	1/4/13 1246

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

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

CA

WorkOrder : STR13010445

Report Due By : 5:00 PM On : 11-Jan-13

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

PO :

Client's COC # : 10584, 10572 Job : 2087-6600-01/Foothill Mini Mart

EDD Required : **Yes**

Sampled by : Carl Schulze

Cooler Temp	Samples Received	Date Printed
5 °C	04-Jan-13	**04-Jan-13**

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
STR13010445-09A	MW-7	AQ	01/02/13 08:12	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR13010445-10A	MW-10	AQ	01/02/13 17:10	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR13010445-11A	MW-11	AQ	01/02/13 16:10	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR13010445-12A	MW-12A	AQ	01/02/13 14:11	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR13010445-13A	MW-12B	AQ	01/02/13 14:03	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR13010445-14A	MW-13A	AQ	01/02/13 11:23	6	0	5	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	

Comments: Security seals intact. Frozen ice. Low level Alcohols per COC. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Sarah Nen	Alpha Analytical, Inc.	1/4/13 1246

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:

Company: Stratus Environmental
Attn:
Address: 3330 Cameron Park Dr.
City, State, Zip: Cameron Park, CA
Phone Number: _____ Fax: _____

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901

10584

Page # 1 of 2

Consultant/ Client Info:

Company: Foothill Mini Mart
Address: 6600 Foothill Blvd.
City, State, Zip: Oakland, CA

Job and Purchase Order Info:

Job #: 2087 - 6600 - 01
Job Name:
P.O. #:

Report Attention/Project Manager:

Name: Scott Bittinger
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? (Yes) / No EDF Required? Yes / No
Global ID: T0600102286
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	Analysis Requested: GRO	BTEX	5 oxy's	ethanol, methanol	Remarks
1600	01/02	AQ		MW-1	std	n	6V	X	X	X	X	
1749				MW-2								
1700				MW-3								
1355				MW-4								
0925				MW-5								
0942				MW-5B								
1043				MW-6								
1030				MW-6B								
0812				MW-7								
1710				MW-10								
1610	↓	↓		MW-11	↓	↓	↓	↓	↓	↓	↓	

ADDITIONAL INSTRUCTIONS:

low detection level ethanol, methanol

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: Carl Schulze

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
	01.03.13	13:52	E:FMGMO	01.03.13	13:52
Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
			Alpha	1/4/13	
Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

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

NOTE: Samples are discarded 60 days after sample receipt 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:

Company: Stratus Environmental
Attn:
Address:
City, State, Zip:
Phone Number: Fax:

Alpha Analytical, Inc.
Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431
Phone: 775-355-1044
Fax: 775-355-0406

Satellite Service Centers:
Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901

10572

Consultant/ Client Info:

Company: Foothill Mini Mart
Address: 6600 Foothill Blvd.
City, State, Zip: Oakland, CA

Job and Purchase Order Info:

Job #: 2087-6600-01
Job Name:
P.O. #:

Report Attention/Project Manager:

Name: Scott Bittinger
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? (Yes) / No EDF Required? Yes / No
Global ID: T0600102286
Data Validation Level: III or IV

Samples Collected from which State? (circle one) AZ CA NV WA ID OR DOD Site Other

Time Sampled (HH:MM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	Field Filtered?	# Containers** (See Key Below)	Analysis Requested: GRO	BTEX	5 oxy's	ethanol, methanol								Remarks
1411	01/02	AQ	[redacted]	MW-12A	std	n	6V	X	X	X	X								
1403	01/02	AQ	[redacted]	MW-12B	std	n	6V	X	X	X	X								
1123	01/02	AQ	[redacted]	MW-13A	std	n	6V	X	X	X	X								

ADDITIONAL INSTRUCTIONS:

low detection level ethanol, methanol

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0638 (c) (2).

Sampled By: Carl Schulze

Relinquished by: (Signature/Affiliation)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	01.03.13	13:52	E. Encinas	01.03.13	1352
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:
Relinquished by: (Signature/Affiliation):	Date:	Time:	Received by: (Signature/Affiliation):	Date:	Time:

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

NOTE: Samples are discarded 60 days after sample receipt 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**
Report Title:	**1Q13 QMR Geowell 1-2-13**
Facility Global ID:	**T0600102286**
Facility Name:	**FOOTHILL MINI MART**
File Name:	**GEO_WELL.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**50.192.223.97**
Submittal Date/Time:	**2/12/2013 10:35:28 AM**
Confirmation Number:	**8905408740**

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
Report Title:	1Q13 QMR Analytical 1-2-13
Report Type:	Monitoring Report - Semi-Annually
Facility Global ID:	T0600102286
Facility Name:	FOOTHILL MINI MART
File Name:	13010445_EDF.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	2/12/2013 10:36:38 AM
Confirmation Number:	9019792079

VIEW QC REPORT

VIEW DETECTIONS REPORT