STRATUS
ENVIRONMENTAL, INC.

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June 23, 2010
Project No. 2087-6600-01

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

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

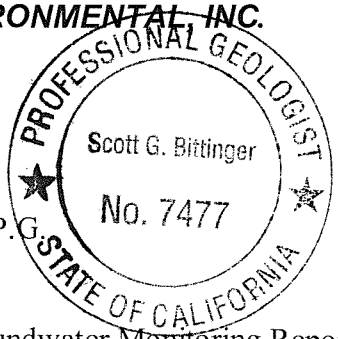
Dear Mr. Khatri:

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

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

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Scott G. Bittinger, P.G.
Project Manager

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Groundwater Monitoring Report, Second Quarter 2010

cc: Mr. Ravi Sekhon

Date June 23, 2010

FOOTHILL MINI MART
GROUNDWATER MONITORING REPORT

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

WORK PERFORMED THIS PERIOD (Second Quarter 2010):

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

2. Groundwater samples were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), ethanol, and methanol by EPA Method SW8260B.

3. Stratus compiled and evaluated groundwater monitoring data.

WORK PROPOSED FOR NEXT PERIOD (Third Quarter 2010):

1. In a letter dated July 24, 2009, ACEHS directed that all previously existing monitoring wells be gauged and sampled on a semi-annual basis and that recently installed monitoring wells be gauged and sampled on a quarterly basis for four quarters, and then switched to a semi-annual monitoring program. Many of the site monitoring wells (MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B) were installed in September 2009. Given the ACEHS directive, these 8 wells will be sampled during the third quarter 2010. All 14 groundwater monitoring wells will be monitored for depth to groundwater during the third quarter 2010, however groundwater samples will not be collected from wells MW-1 through MW-6 given the ACEHS directive.

2. A previous consultant representing Mr. Sekhon performed a relatively extensive subsurface environmental investigation at the site during the fall of 2009. In a report documenting this work (*2009 Soil and Groundwater Investigation Report, dated November 2, 2009*), the consultant recommended that a Feasibility Study/Corrective Action Plan (FS/CAP) report be prepared. In a letter dated June 10, 2010, ACEHS personnel concurred with this recommendation, and requested that the FS/CAP report be submitted by August 9, 2010.

   Stratus concurs that preparation of the FS/CAP report is appropriate. In the June 10, 2010 letter, ACEHS personnel indicate that three viable remedial alternatives to mitigate the site contaminants should be evaluated as part of the FS process, and that the most cost effective of these 3 alternatives be selected as the corrective action approach.

   It does not appear that any pilot testing has been performed to evaluate the viability of any remedial technology for the site. Given the importance of selecting the best remedial approach, Stratus is recommending that site specific pilot testing of at least two potentially viable remedial technologies be performed, in order to assess the effectiveness of each technology at this site. Completion of this work should allow for an improved evaluation of the potential site remedial alternatives, and improve

the likelihood of selecting the best remedial approach for use in corrective action. Stratus will work with ACEHS personnel in order to determine an appropriate 'sequence of events' in order to move the project through the Feasibility Study/Corrective Action method selection process.

Current Phase of Project:	Monitoring/Assessment
Frequency of Groundwater Sampling:	Wells MW-1 through MW-6 : Semi-Annually Wells MW-7, MW-10, MW-11, MW-12A, MW-13A, MW-5B, MW-6B, and MW-12B : Quarterly until initial 4 sampling events completed, then semi-annually
Frequency of Groundwater Monitoring:	All Wells : Quarterly
Groundwater Sampling Date:	June 1, 2010
Is Free Product (FP) Present on Site:	No
Approx. Depth to Groundwater (Upper):	6.00 to 9.82 feet below top of well casing
Approx. Depth to Groundwater (Lower):	12.87 to 37.49 feet below top of well casing
Groundwater Flow Direction (Upper):	Variable
Approximate Groundwater Gradient (Upper):	0.03 to 0.18 ft/ft
Groundwater Flow Direction (Lower):	Not calculated
Approximate Groundwater Gradient (Lower):	Not calculated

DISCUSSION:

Shallow Screened Well Network

Depth to groundwater in the monitoring wells ranged from 6.00 to 9.82 feet below the top of the well casing. Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). Variable directions of groundwater flow were observed in the site vicinity, using the June 1, 2010 groundwater level measurements, with groundwater gradients ranging from approximately 0.03 to 0.18 ft/ft. Based on the distributions of contaminants in shallow groundwater at the site (discussed below), contaminant plume transport appears to have predominately occurred in the southeast and south directions; thus southeast-south groundwater flow may be representative of site conditions.

Groundwater beneath the site is impacted with GRO, BTEX, MTBE, and TBA. Figures 4 through 7 illustrate the interpreted lateral extent of GRO, benzene, MTBE, and TBA distribution in shallow groundwater, respectively, using data collected on June 1, 2010. The figures illustrate that GRO and MTBE impact extends across the largest area of the site vicinity, with the benzene plume a much smaller area of the site. The GRO, MTBE, and TBA plumes extend at least 200 feet southeast of the UST area of the Foothill Mini Mart. The highest concentrations of GRO, benzene, and MTBE (7,500 µg/L, 100 µg/L, and 350 µg/L, respectively, in June 2010) were detected in the sample collected from well MW-6, and the highest concentration of TBA (7,300 µg/L) was reported in the well MW-2 sample. Given this observation, the highest concentrations of GRO, benzene, and MTBE are situated offsite, across Foothill Boulevard and southeast of the former UST.

Deeper Screened Well Network

Depth to groundwater in the monitoring wells ranged from 12.87 to 37.49 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.

MTBE was detected at very low concentrations in the samples collected from wells MW-5B and MW-12B (0.70 µg/L and 0.84 µg/L, respectively). No GRO, BTEX, or TBA were detected in the samples collected from the deeper screened monitoring wells. Analytical results of GRO, benzene, MTBE, and TBA for groundwater samples collected from the deeper screened wells during the second quarter 2010 are presented on Figure 8. Given the available data set, the vertical extent of contaminant distribution in groundwater appears adequately characterized.

ATTACHMENTS:

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

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

Well Number	Date Collected	Depth to Water (feet)	Top of Casing Elevation (ft msl)	Groundwater Elevation (ft msl) [1]	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
SHALLOW WELLS										
MW-1	06/13/01	9.36	100*	90.64	ND	ND	ND	ND	ND	130
	03/21/02	7.96	100*	92.04	95	ND	ND	ND	ND	72.5
	07/09/02	8.51	100*	91.49	ND	ND	ND	ND	ND	208
	07/11/03	8.66	160.25	151.59	ND	0.7	ND	ND	1.2	636
	11/13/03	8.10	160.25	152.15	<5,000	ND	ND	ND	ND	72,000
	02/19/04	8.24	160.25	152.01	1,350	460	ND	ND	ND	82,000
	05/21/04	8.51	160.25	151.74	ND	<50	<50	<50	<100	12,000
	08/11/05	8.34	160.25	151.91	ND	ND	ND	ND	ND	4,900
	11/30/05	9.86	160.25	150.39	<250	<2.5	<2.5	<2.5	<2.5	8,400
	08/08/08	10.62	60.02	49.40	390	<1.5	<1.5	<1.5	<1.5	720
	11/05/08	10.78	60.02	49.24	350	<5.0	<10	<10	<10	580
	02/06/09	9.05	60.02	50.97	150	<1.5	<1.5	<1.5	<1.5	610
	05/07/09	6.76	60.02	53.26	420	<0.50	<0.50	<0.50	<0.50	210
	06/01/10	7.58	60.02	52.44	190	<0.50	<0.50	<0.50	<0.50	170

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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

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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-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

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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

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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

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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

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MW-7	06/01/10	9.74	58.66	48.92	<50	<0.50	<0.50	<0.50	<0.50	22
MW-10	06/01/10	8.85	61.89	53.04	<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
MW-12A	06/01/10	8.07	62.98	54.91	270	<0.50	<0.50	<0.50	<0.50	260
MW-13A	06/01/10	6.47	60.90	54.43	1,500	<0.50	<0.50	<0.50	<0.50	7.1
DEEPER WELLS										
MW-5B	06/01/10	12.87	57.69	44.82	<50	<0.50	<0.50	<0.50	<0.50	0.70
MW-6B	06/01/10	35.75	56.71	20.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12B	06/01/10	37.49	62.94	25.45	<50	<0.50	<0.50	<0.50	<0.50	0.84

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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 origi'--lly 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	--	--
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	--	--

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	--	--
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	--	--

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-5	07/09/02	18,600	--	--	--	--	--	--	--	--
	07/11/03	5,090	--	--	--	--	--	--	--	--
	11/13/03	3,400	3,100	--	--	--	--	--	--	--
	02/19/04	438	1,340	--	--	--	--	--	--	--
	05/21/04	214	436	--	--	--	--	--	--	--
	08/11/05	100	--	--	--	--	--	--	--	--
	11/30/05	82	--	--	--	--	--	--	--	--
	08/08/08	8.6	510	<0.50	<0.50	<0.50	<50	<5.0	<0.50	<0.50
	11/05/08	4.8	170	<2.0	<2.0	<2.0	--	<100	--	--
	02/06/09	5.5	110	<0.50	<0.50	<0.50	<200	<5.0	--	--
	05/07/09	4.3	60	<0.50	<0.50	<0.50	<50	<5.0	--	--
	06/01/10	4.3	570	<1.0	<1.0	<1.0	<50	<5.0	--	--
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	--	--

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

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-7	06/01/10	22	18	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-10	06/01/10	<0.50	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-11	06/01/10	6.7	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--
MW-12A	06/01/10	260	<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	--	--
DEEPER WELLS										
MW-5B	06/01/10	0.70	<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	--	--
MW-12B	06/01/10	0.84	<10	<1.0	<1.0	<1.0	<50	<5.0	--	--

Legend/Key:

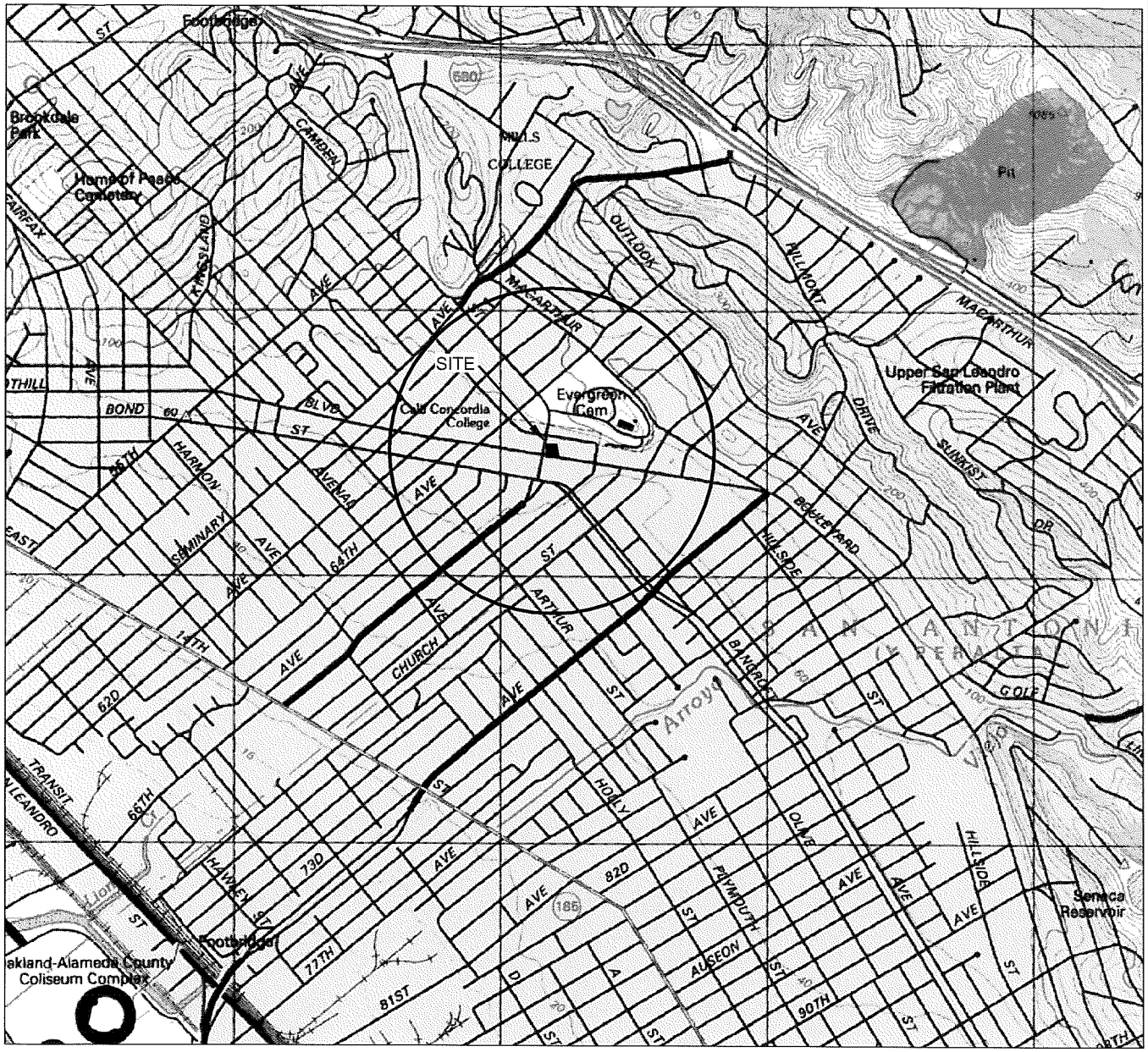
MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ND= "not-detected" or below the Method Detection Limits
--= Not available/not analyzed
mg/L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

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

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

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

Notes:
HSA = hollow stem auger



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

N

QUADRANGLE LOCATION

0 2000 FT

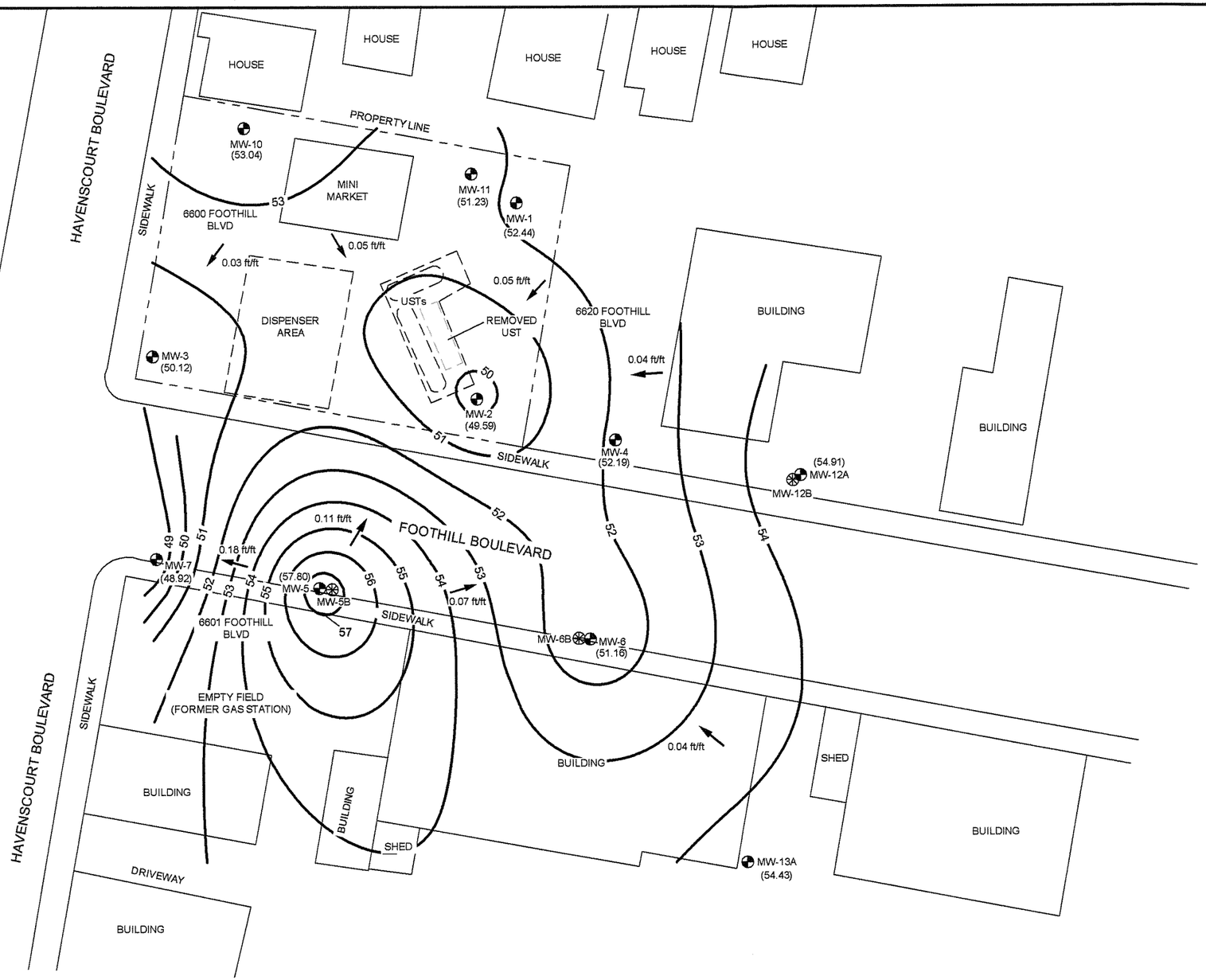
SCALE 1:24,000

STRATUS
ENVIRONMENTAL, INC.

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2087-600-01



LEGEND:

- MW-1 SHALLOW SCREENED MONITORING WELL LOCATION
- MW-5B DEEP SCREENED MONITORING WELL LOCATION
- (52.44) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
- 54 GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
- INFERRED GROUNDWATER FLOW DIRECTION

WELLS MEASURED ON 6/01/10
MSL = MEAN SEA LEVEL

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

STRATUS
ENVIRONMENTAL, INC.

0 40 FT
SCALE

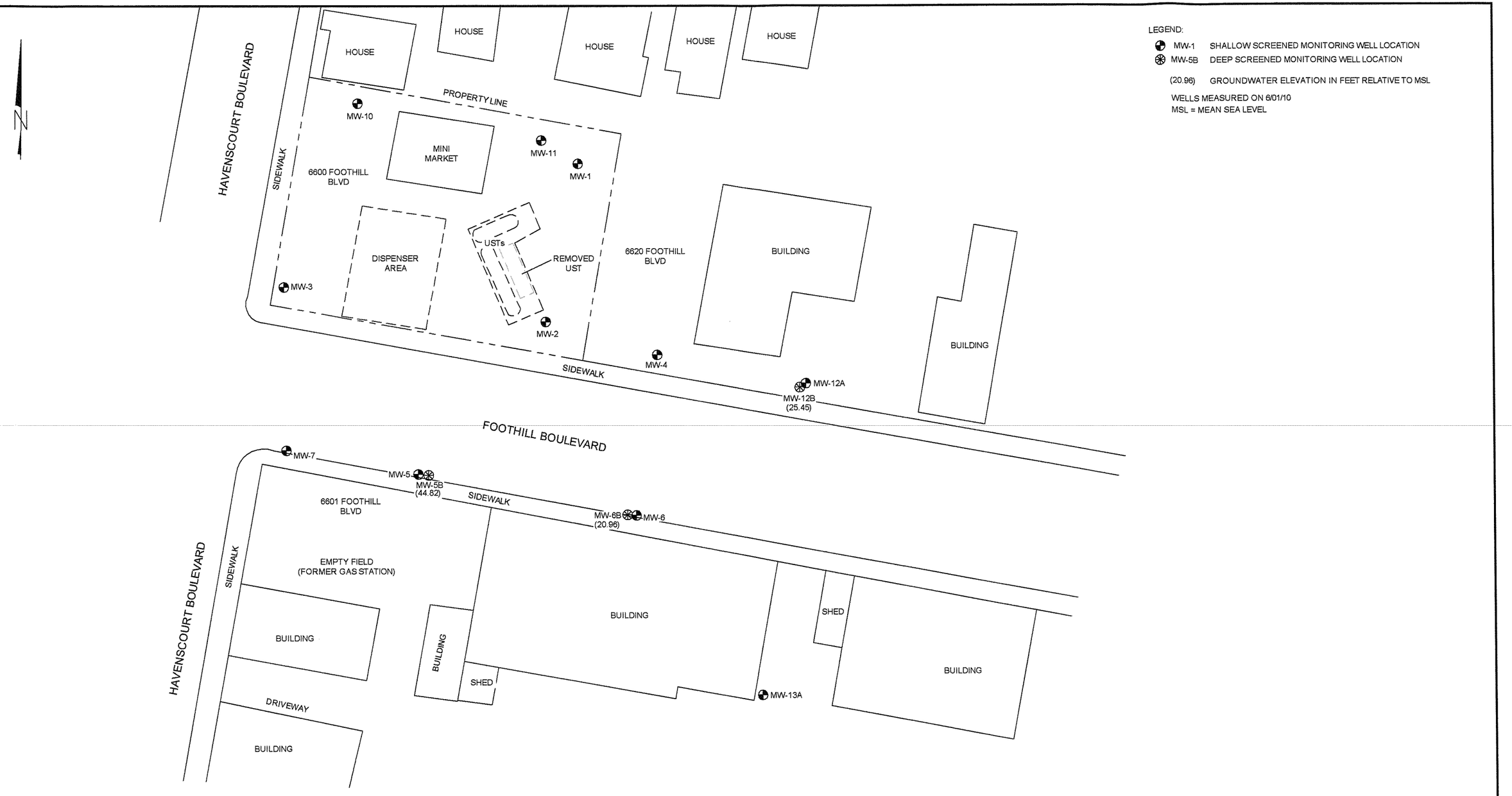
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
SHALLOW SCREENED WELLS
2nd QUARTER 2010

FIGURE
2

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV June 15, 2010 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

GROUNDWATER ELEVATION MAP
DEEP SCREENED WELLS
2nd QUARTER 2010

FIGURE
3

PROJECT NO.
2087-6600-01

JMP REV June 15, 2010 Foothill Quarterly Figures
Foothill Mini Mart\Quarterly

LEGEND:

MW-1 SHALLOW SCREENED MONITORING WELL LOCATION

MW-5B DEEP SCREENED MONITORING WELL LOCATION

[<50] GASOLINE RANGE ORGANICS (GRO) CONCENTRATION IN µg/L

WELLS SAMPLED ON 6/01/10

GRO ANALYZED BY EPA METHOD 8015B

N

HAVENSCOURT BOULEVARD

SIDEWALK

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

PROPERTY LINE

MW-10 [<50]

MINI MARKET

6600 FOOTHILL BLVD

MW-11 [<50]

MW-1 [190]

DISPENSER AREA

USTs

REMOVED UST

6620 FOOTHILL BLVD

BUILDING

BUILDING

MW-3 [<50]

MW-2 [<1,000]

MW-4 [3,300]

SIDEWALK

[270] MW-12A

MW-12B

FOOTHILL BOULEVARD

MW-7 [<50]

[1,000] MW-5

MW-5B

SIDEWALK

6601 FOOTHILL BLVD

MW-6B

MW-6 [7,500]

EMPTY FIELD (FORMER GAS STATION)

100

1,000

BUILDING

SHED

BUILDING

BUILDING

BUILDING

SHED

MW-13A [1,500]

DRIVEWAY

BUILDING

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

JMP REV June 15, 2010 Foothill Quarterly Figures

Foothill Mini Mart\Quarterly

STRATUS ENVIRONMENTAL, INC.

0 40 FT

SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

GRO ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
2nd QUARTER 2010

FIGURE
4

PROJECT NO.
2087-6600-01

LEGEND:

MW-1 SHALLOW SCREENED MONITORING WELL LOCATION

MW-5B DEEP SCREENED MONITORING WELL LOCATION

[<0.50] BENZENE CONCENTRATION IN µg/L

WELLS SAMPLED ON 6/01/10

BENZENE ANALYZED BY EPA METHOD 8260B

N

HAVENSCOURT BOULEVARD

SIDEWALK

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

PROPERTY LINE

MW-10 [<0.50]

6600 FOOTHILL BLVD

MINI MARKET

MW-11 [<0.50]

MW-1 [<0.50]

DISPENSER AREA

USTs

REMOVED UST

6620 FOOTHILL BLVD

BUILDING

BUILDING

MW-3 [<0.50]

MW-2 [<5.0]

MW-4 [<1.0]

SIDEWALK

[<0.50] MW-12A

MW-12B

FOOTHILL BOULEVARD

MW-7 [<0.50]

[<0.50] MW-5

MW-5B

SIDEWALK

6601 FOOTHILL BLVD

100

MW-6B

MW-6 [100]

10

1.0

EMPTY FIELD (FORMER GAS STATION)

BUILDING

BUILDING

SHED

BUILDING

SHED

BUILDING

MW-13A [<0.50]

HAVENSCOURT BOULEVARD

SIDEWALK

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

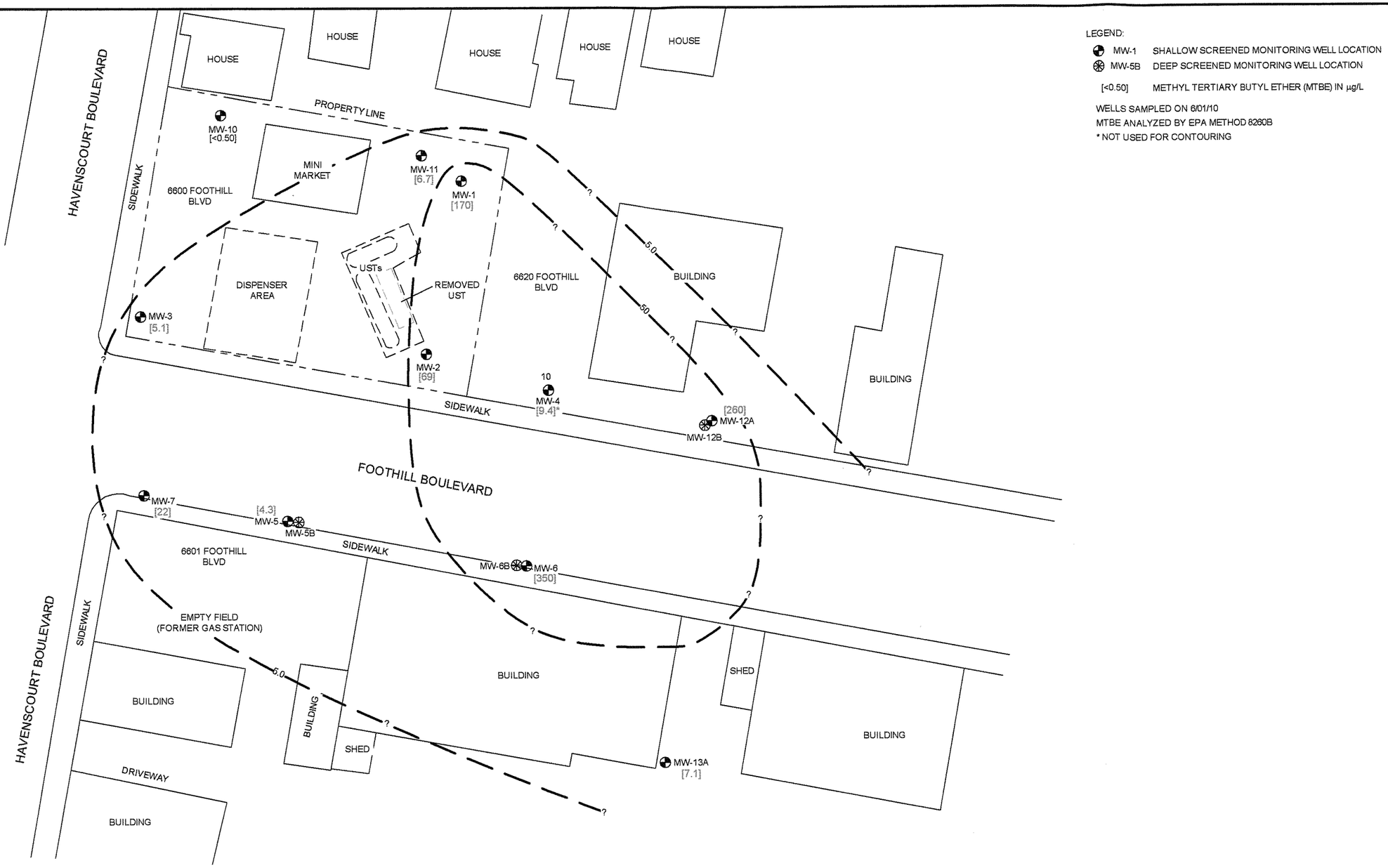
BENZENE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
2nd QUARTER 2010

FIGURE
5

PROJECT NO.
2087-6600-01

JMP REV June 15, 2010 Foothill Quarterly Figures

Foothill Mini Mart\Quarterly



LEGEND:

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

WELLS SAMPLED ON 6/01/10
MTBE ANALYZED BY EPA METHOD 8260B
* NOT USED FOR CONTOURING

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

JMP REV June 15, 2010 Foothill Quarterly Figures
Foothill Mini Mart\Quarterly

STRATUS ENVIRONMENTAL, INC.

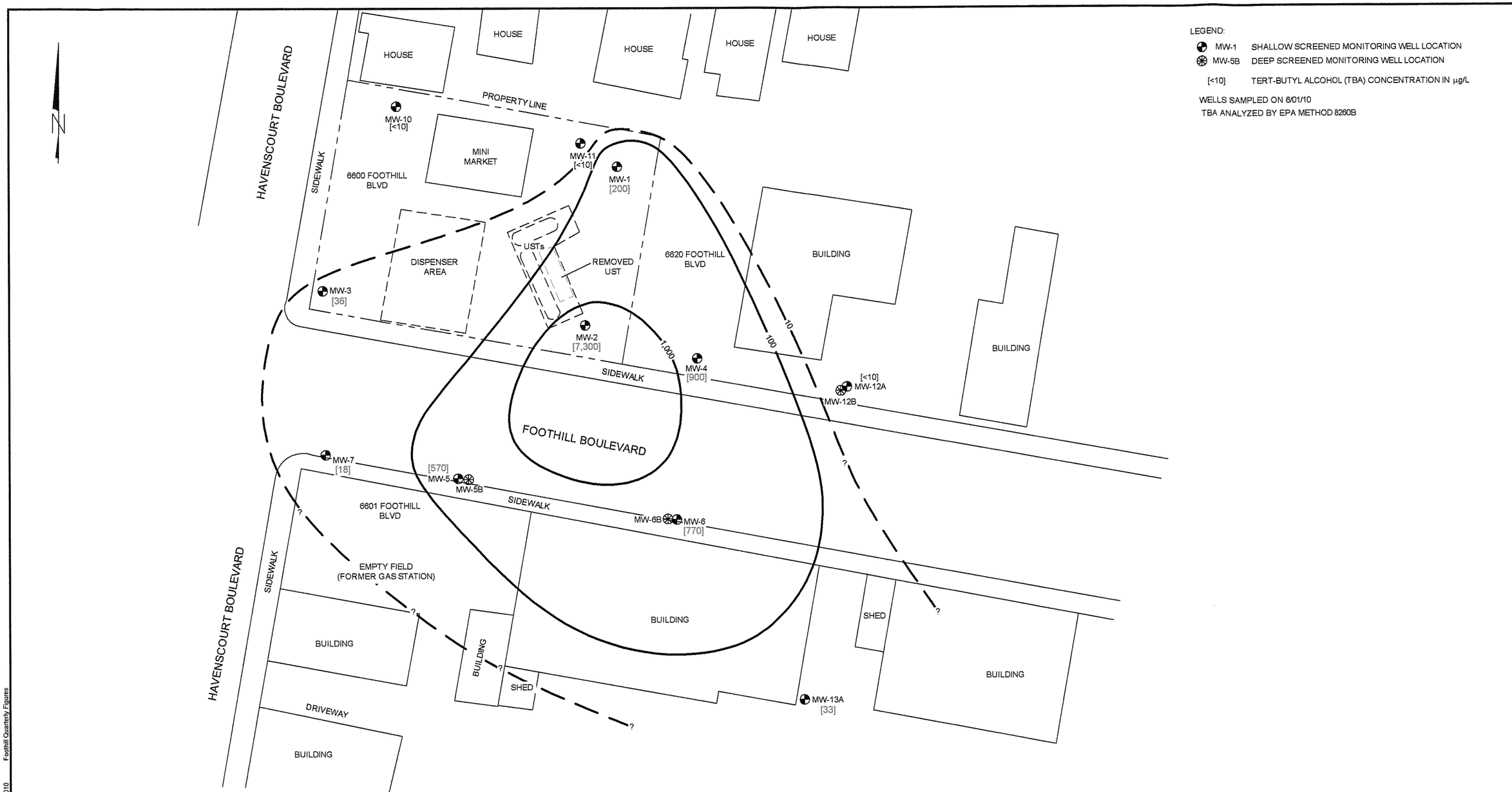
0 40 FT
SCALE

FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

MTBE ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
2nd QUARTER 2010

FIGURE
6

PROJECT NO.
2087-6600-01



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

STRATUS ENVIRONMENTAL, INC.

0 40 FT
SCALE

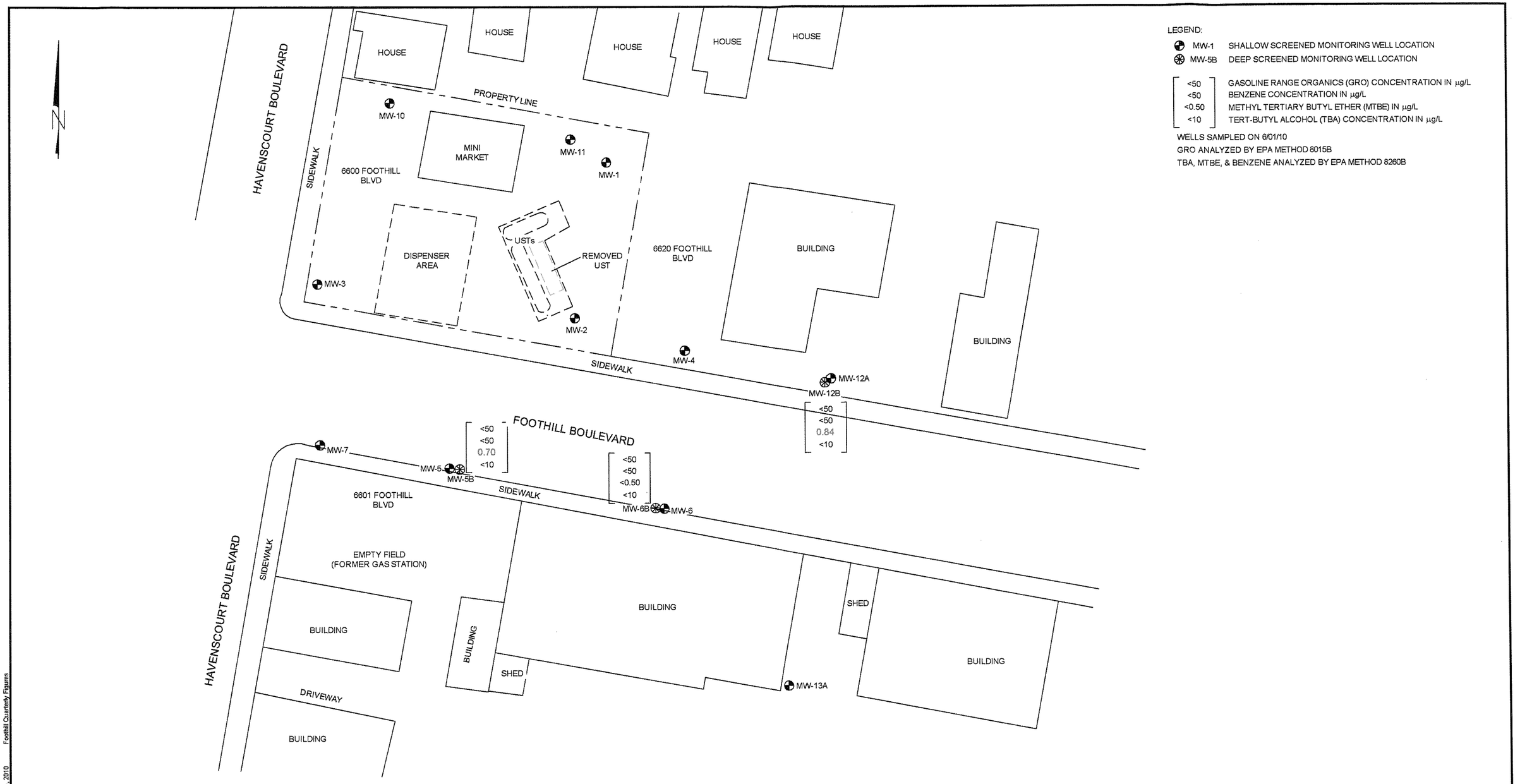
FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

TBA ISO-CONCENTRATION CONTOUR MAP
SHALLOW SCREENED WELLS
2nd QUARTER 2010

FIGURE
7

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV June 15, 2010 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

GROUNDWATER ANALYTICAL SUMMARY
DEEP SCREENED WELLS
2nd QUARTER 2010

FIGURE
8

PROJECT NO.
2087-6600-01

Foothill Mini Mart\Quarterly JMP REV June 15, 2010 Foothill Quarterly Figures

APPENDIX A

FIELD DATA SHEETS

STRATUS ENVIRONMENTAL, INC.

ORIGINAL

Site Address: 6600 Foothill | Site Number: Foothill Mini Mart
City: Oakland, CA | Project Number:
Sampled By: VZ, LF | Project PM:
Signature: VZ | DATE: 6/1/2010

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water Column (feet)	Diamater (inches)	Multiplier	3 casing volumes (gallons	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW at sample time (feet)	Sample I.D.	Sample Time	DO (mg/L)
MW-1	0711		7.58	24.15	16.57	2	0.5	8.29	7.00		X			10.76	MW-1	1217	3.10
MW-2	0736		9.15	24.30	15.15	2	0.5	7.58	7.50		X			15.15	MW-2	1121	3.09
MW-3	0731		9.82	23.50	13.68	2	0.5	6.84	7.00		X			9.88	MW-3	1200	3.45
MW-5	0816		8.15	19.35	11.20	2	0.5	5.60	5.50		X			8.27	MW-5	1101	2.87
MW-5B	0820		12.87	45.10	32.23	2	0.5	16.12	16.00		X			25.73	MW-5B	1226	2.12
MW-6	0824		5.85	19.00	13.15	2	0.5	6.58	6.50		X			7.49	MW-6	0857	2.14
MW-6B	0826		35.75	49.85	14.10	2	0.5	7.05	7.00		X			41.51	MW-6B	1027	3.08
MW-7	0801		9.74	24.67	14.93	2	0.5	7.47	7.50		X			16.41	MW-7	1257	1.07
MW-10	0723		8.85	24.87	16.02	2	0.5	8.01	6.00		X		Dry	11.66	MW-10	1158	2.62
MW-11	0700		9.74	24.75	15.01	2	0.5	7.51	7.50		X			10.72	MW-11	1227	3.24
MW-12A	1024		8.07	21.46	13.39	2	0.5	6.70	7.00		X			10.37	MW-12A	1055	3.52
MW-12B	1021		37.49	43.31	5.82	2	0.5	2.91	3.00		X			40.79	MW-12B	1244	3.07
MW-13A	1307		6.47	24.85	18.38	2	0.5	9.19	9.00		X			9.01	MW-13A	1349	.85
MW-4	1012		6.00	19.59	13.59	2	.5	6.80	4.00		X		Dry	7.09	MW-4	1314	3.03

All wells stay low - Bail then waited to sample

"MW-13A Owner" contacted thru Fish Shop owner

He would not leave contact info with us,

Says we should have it already.

MW-3 casing bent - trouble getting bailer down well

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 mesured before purge)

CALIBRATION DATE
pH: VB 6-1-10
Conductivity: G G
DO:

STRATUS ENVIRONMENTAL, INC.

Site Address	6600 Foothill	Site Number	Foothill Mini Mart
City	Oakland, CA	Project Number	
Sampled By:	VZ, LF	Project PM	
Signature	VZ	DATE	6/1/2010

Well ID MW-10			Bail	
Purge start time 0811			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0811	17.8	~~5~~ 5.61	363	Ø
time 0816	18.1	5.94	271	3
time 0821	Dry at 6.0 gal			
time 1154	18.5	6.44	302	6
purge stop time 0821			ORP 93	

Well ID MW-3			Pump	
Purge start time 0845			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0845	20.0	5.96	210	Ø
time 0847	20.2	5.90	202	3.5
time 0849	20.3	5.98	181.5	7
time				
purge stop time 0849			ORP 78	

Well ID MW-2			Bail	
Purge start time 0903			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0903	19.8	5.76	377	Ø
time 0908	19.6	5.91	384	3.5
time 0913	19.6	5.96	394	7.5
time				
purge stop time 0913			ORP 79	

Well ID MW-1			Bail	
Purge start time 0924			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0924	19.0	6.08	228	Ø
time 0930	18.8	5.87	249	4.5
time 0935	Dry at 7.0 gal			
time 1213	19.4	6.23	261	7.0
purge stop time 0935			ORP 58	

Well ID MW-11			Bail	
Purge start time 0947			Odor	Y (N)
	Temp C	pH	cond	gallons
time 0947	18.1	5.65	492	Ø
time 0952	18.1	5.68	529	4
time 0958	18.2	5.67	644	7.5
time				
purge stop time 0958			ORP 72	

Well ID MW-12B			Bail	
Purge start time 1031			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1031	19.4	5.99	739	Ø
time 1034	19.6	6.39	710	1.5
time 1037	19.6	6.65	~~728~~	3.00
time				
purge stop time 1037			ORP 82	

Well ID MW-12A			Bail	
Purge start time 1042			Odor	Y (N)
	Temp C	pH	cond	gallons
time 1042	18.8	6.87	278	Ø
time 1046	18.8	6.50	288	3.50
time 1051	19.0	6.37	283	7.00
time				
purge stop time 1051			ORP 33	

Well ID MW-4				
Purge start time 1102			Odor	(Y) ~~N~~
	Temp C	pH	cond	gallons
time 1102	19.2	6.23	262	Ø
time 1107	19.2	6.23	268	3.5
time 1109	Dry at 4 gal			
time 1310	19.9	6.08	249	4.0
purge stop time 1109			ORP 49	

CHAIN OF CUSTODY

STRATUS ENVIRONMENTAL, INC.

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

Site Number: Foothill Mini Mart
Project Number:
Project PM:
DATE: 6/1/2010

Well ID	MW-6			sheen	Well ID	MW-6B			
Purge start time	0833		Odor	(Y) N	Purge start time	0906		Odor	Y (N)
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 0833	19.7	6.77	366	~~0~~	time 0906	17.0	7.15	375	~~0~~
time 0843	17.7	6.96	340	3.5	time 0911	16.5	7.33	368	3.5
time 0857	17.5	6.74	318	6.5	time 1027	17.8	7.40	414	(7.0)
time					time				
purge stop time	0857		ORP	41	purge stop time	0921		ORP	63

Well ID	MW-5				Well ID	MW-5B			
Purge start time	0926		Odor	Y (N)	Purge start time	0943		Odor	Y (N)
Bail	Temp C	pH	cond	gallons	Bail	Temp C	pH	cond	gallons
time 0926	16.7	6.96	125	~~0~~	time 0943	17.7	6.87	343	~~0~~
time 0930	16.9	6.78	141	2.5	time 1010	17.9	7.20	374	8
time 1101	17.9	6.99	162	(5.5)	time 1226	19.5	7.28	403	(16)
time					time		7.28		
purge stop time	0936		ORP	73	purge stop time	1022		ORP	111

Well ID	MW-7				Well ID				
Purge start time	1041		Odor	Y (N)	Purge start time			Odor	Y N
Bail	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time 1041	18.0	6.72	447	~~0~~	time				
time 1047	17.8	6.83	483	3.5	time				
time 1257	19.1	6.91	804	(7.5)	time				
time					time				
purge stop time	1055		ORP	129	purge stop time			ORP	

Well ID	MW-13A				Well ID				
Purge start time	1317		Odor	Y (N)	Purge start time			Odor	Y N
Bail	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time 1317	21.1	6.91	190	~~0~~	time				
time 1333	21.4	6.80	244	4.5	time				
time 1349	20.5	6.71	272	9.0	time				
time					time				
purge stop time	1349		ORP	132	purge stop time			ORP	

ORIGINAL

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSES PROCEDURES

The sampling and analyses 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 : 06/03/10

Job: Foothill Mini Mart

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

		Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**MW-1**						
Lab ID :	STR10060343-01A	TPH-P (GRO)	190		50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:17	Tertiary Butyl Alcohol (TBA)	200		10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	170		0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	06/04/10	06/04/10
		Benzene	ND		0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	06/04/10	06/04/10
		Toluene	ND		0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND		0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-2**						
Lab ID :	STR10060343-02A	TPH-P (GRO)	ND	V	1,000 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 11:21	Tertiary Butyl Alcohol (TBA)	7,300		100 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	69		5.0 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	V	10 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	10 µg/L	06/04/10	06/04/10
		Benzene	ND	V	5.0 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	10 µg/L	06/04/10	06/04/10
		Toluene	ND	V	5.0 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	V	5.0 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	V	5.0 µg/L	06/04/10	06/04/10
		o-Xylene	ND	V	5.0 µg/L	06/04/10	06/04/10
Client ID :	**MW-3**						
Lab ID :	STR10060343-03A	TPH-P (GRO)	ND		50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:00	Tertiary Butyl Alcohol (TBA)	36		10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	5.1		0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	06/04/10	06/04/10
		Benzene	ND		0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	06/04/10	06/04/10
		Toluene	ND		0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND		0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND		0.50 µg/L	06/04/10	06/04/10

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Client ID :	**MW-4**						
Lab ID :	STR10060343-04A	TPH-P (GRO)	3,300		200 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 13:14	Tertiary Butyl Alcohol (TBA)	900		20 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	9.4		1.0 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	V	2.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	2.0 µg/L	06/04/10	06/04/10
		Benzene	ND	V	1.0 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	2.0 µg/L	06/04/10	06/04/10
		Toluene	ND	V	1.0 µg/L	06/04/10	06/04/10
		Ethylbenzene	4.1		1.0 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	V	1.0 µg/L	06/04/10	06/04/10
		o-Xylene	ND	V	1.0 µg/L	06/04/10	06/04/10
Client ID :	**MW-5**						
Lab ID :	STR10060343-05A	TPH-P (GRO)	1,000		100 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 11:01	Tertiary Butyl Alcohol (TBA)	570		10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	4.3		0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	06/04/10	06/04/10
		Benzene	ND		0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	06/04/10	06/04/10
		Toluene	ND		0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND		0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-5B**						
Lab ID :	STR10060343-06A	TPH-P (GRO)	ND		50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:26	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	0.70		0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	06/04/10	06/04/10
		Benzene	ND		0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	06/04/10	06/04/10
		Toluene	ND		0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND		0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND		0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-6**						
Lab ID :	STR10060343-07A	TPH-P (GRO)	7,500		500 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 08:57	Tertiary Butyl Alcohol (TBA)	770		50 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	350		2.5 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	V	5.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	V	5.0 µg/L	06/04/10	06/04/10
		Benzene	100		2.5 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	V	5.0 µg/L	06/04/10	06/04/10
		Toluene	ND	V	2.5 µg/L	06/04/10	06/04/10
		Ethylbenzene	28		2.5 µg/L	06/04/10	06/04/10
		m,p-Xylene	48		2.5 µg/L	06/04/10	06/04/10
		o-Xylene	ND	V	2.5 µg/L	06/04/10	06/04/10

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Client ID :	**MW-6B**					
Lab ID :	STR10060343-08A	TPH-P (GRO)	ND	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 10:27	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-7**					
Lab ID :	STR10060343-09A	TPH-P (GRO)	ND	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:57	Tertiary Butyl Alcohol (TBA)	18	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	22	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-10**					
Lab ID :	STR10060343-10A	TPH-P (GRO)	ND	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 11:58	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-11**					
Lab ID :	STR10060343-11A	TPH-P (GRO)	ND	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:27	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	6.7	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10

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Client ID :	**MW-12A**					
Lab ID :	STR10060343-12A	TPH-P (GRO)	270	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:55	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	260	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-12B**					
Lab ID :	STR10060343-13A	TPH-P (GRO)	ND	50 µg/L	06/04/10	06/04/10
Date Sampled	06/01/10 12:44	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	06/04/10	06/04/10
		Methyl tert-butyl ether (MTBE)	0.84	0.50 µg/L	06/04/10	06/04/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/04/10	06/04/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/04/10	06/04/10
		Benzene	ND	0.50 µg/L	06/04/10	06/04/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/04/10	06/04/10
		Toluene	ND	0.50 µg/L	06/04/10	06/04/10
		Ethylbenzene	ND	0.50 µg/L	06/04/10	06/04/10
		m,p-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
		o-Xylene	ND	0.50 µg/L	06/04/10	06/04/10
Client ID :	**MW-13A**					
Lab ID :	STR10060343-14A	TPH-P (GRO)	1,500	50 µg/L	06/07/10	06/07/10
Date Sampled	06/01/10 13:49	Tertiary Butyl Alcohol (TBA)	33	10 µg/L	06/07/10	06/07/10
		Methyl tert-butyl ether (MTBE)	7.1	0.50 µg/L	06/07/10	06/07/10
		Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	06/07/10	06/07/10
		Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	06/07/10	06/07/10
		Benzene	ND	0.50 µg/L	06/07/10	06/07/10
		Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	06/07/10	06/07/10
		Toluene	ND	0.50 µg/L	06/07/10	06/07/10
		Ethylbenzene	ND	0.50 µg/L	06/07/10	06/07/10
		m,p-Xylene	ND	0.50 µg/L	06/07/10	06/07/10
		o-Xylene	ND	0.50 µg/L	06/07/10	06/07/10

Gasoline Range Organics (GRO) C4-C13

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

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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

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

6/10/10

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 06/03/10

Job: Foothill Mini Mart

GC/MSD by Direct Injection
EPA Method SW8260B-DI

Parameter		Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **MW-1**					
Lab ID : STR10060343-01A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:17	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-2**					
Lab ID : STR10060343-02A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 11:21	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-3**					
Lab ID : STR10060343-03A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:00	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-4**					
Lab ID : STR10060343-04A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 13:14	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-5**					
Lab ID : STR10060343-05A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 11:01	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-5B**					
Lab ID : STR10060343-06A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:26	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-6**					
Lab ID : STR10060343-07A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 08:57	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-6B**					
Lab ID : STR10060343-08A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 10:27	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-7**					
Lab ID : STR10060343-09A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:57	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-10**					
Lab ID : STR10060343-10A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 11:58	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-11**					
Lab ID : STR10060343-11A	Methanol	ND	50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:27	Ethanol	ND	5.0 µg/L	06/04/10 09:19	06/04/10

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Client ID: **MW-12A**						
Lab ID : STR10060343-12A	Methanol	ND		50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:55	Ethanol	ND		5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-12B**						
Lab ID : STR10060343-13A	Methanol	ND		50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 12:44	Ethanol	ND		5.0 µg/L	06/04/10 09:19	06/04/10
Client ID: **MW-13A**						
Lab ID : STR10060343-14A	Methanol	ND		50 µg/L	06/04/10 09:19	06/04/10
Date Sampled 06/01/10 13:49	Ethanol	ND		5.0 µg/L	06/04/10 09:19	06/04/10

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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

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

6/10/10

Report Date

Alpha Analytical, Inc.

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Date: 09-Jun-10

QC Summary Report

Work Order: 10060343

Method Blank

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

File ID: **C:\HPCHEM\MS11\DATA\100604\10060409.D** Batch ID: **24382** Analysis Date: **06/04/2010 13:40**

Sample ID: **MBLK-24382** Units : **µg/L** Run ID: **MSD_11_100604A** Prep Date: **06/04/2010 09:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	50								
Ethanol	ND	5								
Surr: Hexafluoro-2-propanol	518		500		104	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS11\DATA\100604\10060405.D** Batch ID: **24382** Analysis Date: **06/04/2010 12:05**

Sample ID: **LCS-24382** Units : **µg/L** Run ID: **MSD_11_100604A** Prep Date: **06/04/2010 09:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	268	50	250		107	54	132			
Ethanol	290	5	250		116	70	142			
Surr: Hexafluoro-2-propanol	486		500		97	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS11\DATA\100604\10060491.D** Batch ID: **24382** Analysis Date: **06/04/2010 13:21**

Sample ID: **10060343-02AMS** Units : **µg/L** Run ID: **MSD_11_100604A** Prep Date: **06/04/2010 09:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	223	50	250	0	89	48	142			
Ethanol	199	5	250	0	80	68	143			
Surr: Hexafluoro-2-propanol	476		500		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS11\DATA\100604\10060408.D** Batch ID: **24382** Analysis Date: **06/04/2010 13:02**

Sample ID: **10060343-02AMSD** Units : **µg/L** Run ID: **MSD_11_100604A** Prep Date: **06/04/2010 09:19**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methanol	195	50	250	0	78	48	142	222.5	13.3(20)	
Ethanol	228	5	250	0	91	68	143	199.4	13.3(20)	
Surr: Hexafluoro-2-propanol	542		500		108	70	130			

Comments:

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

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Date: 09-Jun-10

QC Summary Report

Work Order: 10060343

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060405.D** Batch ID: **MS10W0604B** Analysis Date: **06/04/2010 10:28**

Sample ID: **MBLK MS10W0604B** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 10:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	10.4		10		104	70	130			
Surr: Toluene-d8	9.93		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.82		10		98	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060406.D** Batch ID: **MS10W0604B** Analysis Date: **06/04/2010 11:05**

Sample ID: **GLCS MS10W0604B** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 11:05**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	355	50	400		89	70	130			
Surr: 1,2-Dichloroethane-d4	9.57		10		96	70	130			
Surr: Toluene-d8	9.7		10		97	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060417.D** Batch ID: **MS10W0604B** Analysis Date: **06/04/2010 15:13**

Sample ID: **10060343-01AGS** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 15:13**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2500	250	2000	190.8	115	58	135			
Surr: 1,2-Dichloroethane-d4	49.9		50		99.7	70	130			
Surr: Toluene-d8	50.1		50		100	70	130			
Surr: 4-Bromofluorobenzene	47		50		94	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060418.D** Batch ID: **MS10W0604B** Analysis Date: **06/04/2010 15:35**

Sample ID: **10060343-01AGSD** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 15:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2670	250	2000	190.8	124	58	135	2495	6.8(20)	
Surr: 1,2-Dichloroethane-d4	49.2		50		98	70	130			
Surr: Toluene-d8	49.3		50		99	70	130			
Surr: 4-Bromofluorobenzene	48.7		50		97	70	130			

Comments:

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Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: 09-Jun-10

QC Summary Report

Work Order: 10060343

Method Blank

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060405.D** Batch ID: **MS10W0604A** Analysis Date: **06/04/2010 10:28**

Sample ID: **MBLK MS10W0604A** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 10:28**

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	10.4		10		104	70	130			
Surr: Toluene-d8	9.93		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.82		10		98	70	130			

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060403.D** Batch ID: **MS10W0604A** Analysis Date: **06/04/2010 09:43**

Sample ID: **LCS MS10W0604A** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 09:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	9.31	0.5	10		93	62	136			
Benzene	10.5	0.5	10		105	70	130			
Toluene	9.49	0.5	10		95	80	120			
Ethylbenzene	10.6	0.5	10		106	80	120			
m,p-Xylene	10.4	0.5	10		104	70	130			
o-Xylene	10.5	0.5	10		105	70	130			
Surr: 1,2-Dichloroethane-d4	10.7		10		107	70	130			
Surr: Toluene-d8	9.28		10		93	70	130			
Surr: 4-Bromofluorobenzene	9.8		10		98	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060415.D** Batch ID: **MS10W0604A** Analysis Date: **06/04/2010 14:29**

Sample ID: **10060343-01AMS** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 14:29**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	214	1.3	50	166.5	94	56	141			
Benzene	51.6	1.3	50	0	103	67	130			
Toluene	49.2	1.3	50	0	98	66	130			
Ethylbenzene	52.9	1.3	50	0	106	68	130			
m,p-Xylene	51.1	1.3	50	0	102	64	130			
o-Xylene	51.7	1.3	50	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	50.2		50		100	70	130			
Surr: Toluene-d8	49.2		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.3		50		101	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS10\DATA\100604\10060416.D** Batch ID: **MS10W0604A** Analysis Date: **06/04/2010 14:51**

Sample ID: **10060343-01AMSD** Units : **µg/L** Run ID: **MSD_10_100604A** Prep Date: **06/04/2010 14:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	223	1.3	50	166.5	112	56	141	213.5	4.2(20)	
Benzene	56	1.3	50	0	112	67	130	51.62	8.2(20)	
Toluene	53.3	1.3	50	0	107	66	130	49.24	7.9(20)	
Ethylbenzene	57.4	1.3	50	0	115	68	130	52.9	8.1(20)	
m,p-Xylene	54.6	1.3	50	0	109	64	130	51.09	6.7(20)	
o-Xylene	55	1.3	50	0	110	70	130	51.71	6.2(20)	
Surr: 1,2-Dichloroethane-d4	50.5		50		101	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.3		50		101	70	130			

Alpha Analytical, Inc.

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

Date: *09-Jun-10*

QC Summary Report

Work Order: 10060343

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 : STR10060343

Report Due By : 5:00 PM On : 11-Jun-10

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

PO :

Client's COC # : 21978, 21975 Job : Foothill Mini Mart

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

EDD Required : **Yes**

Sampled by : Vince Z.

Cooler Temp	Samples Received	Date Printed
4 °C	03-Jun-10	**03-Jun-10**

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W	Sample Remarks
STR10060343-01A	MW-1	AQ	06/01/10 12:17	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-02A	MW-2	AQ	06/01/10 11:21	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-03A	MW-3	AQ	06/01/10 12:00	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-04A	MW-4	AQ	06/01/10 13:14	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-05A	MW-5	AQ	06/01/10 11:01	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-06A	MW-5B	AQ	06/01/10 12:26	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-07A	MW-6	AQ	06/01/10 08:57	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-08A	MW-6B	AQ	06/01/10 10:27	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tara Dickinson	Tara Dickinson	Alpha Analytical, Inc.	6/3/10 1034

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

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

WorkOrder : STR10060343

Report Due By : 5:00 PM On : 11-Jun-10

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

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

EDD Required : **Yes**

Sampled by : Vince Z.

PO :

Client's COC # : 21978, 21975 Job : Foothill Mini Mart

Cooler Temp	Samples Received	Date Printed
4 °C	03-Jun-10	03-Jun-10

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W	Sample Remarks
STR10060343-09A	MW-7	AQ	06/01/10 12:57	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-10A	MW-10	AQ	06/01/10 11:58	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-11A	MW-11	AQ	06/01/10 12:27	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-12A	MW-12A	AQ	06/01/10 12:55	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-13A	MW-12B	AQ	06/01/10 12:44	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	
STR10060343-14A	MW-13A	AQ	06/01/10 13:49	5	0	6	Low Level MeOH / EtOH	GAS-C	BTEX/OXY_C	

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tam Dickinson	Tam Dickinson	Alpha Analytical, Inc.	6/3/10 1034

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Matrix Type: AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Name STRATUS ENV.
Address 3330 Cameron Park Dr. #550
City, State, Zip Cameron Park, CA
Phone Number 530-676-6004 Fax 530-676-6005

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

Samples Collected From Which State? AZ ___ CA X NV ___ WA ___ ID ___ OR ___ OTHER ___

21978

Page # 1 of 2

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

Analyses Required: GRO, BTEX, 5 oxys

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

Time Sampled	Date Sampled 2010	Matrix* See Key Below	Sampled by Vince Z Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	GRO	BTEX	5 oxys	REMARKS
1217	06 01	AQ	SIK1006343(1)	MW-1	Std		5V	X	X	X	-All-
1121			-2	MW-2							low detection
1200			-3	MW-3							level
1314			-4	MW-4							ethanol/methanol
1101			-5	MW-5							
1236			-5A	MW-5B							
0857			-6	MW-6							
0027			-6A	MW-6B							
1257			-7	MW-7							
1158			-10	MW-10							
1227			-11	MW-11							
1255			-12	MW-12A							
1244	06 01	AQ	-13	MW-12B	Std		5V	X	X	X	

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Vince Zalutka	Vince Zalutka	STRATUS ENV.	6-1-10	1610
Received by		Lisa DeSilva	ALOHA	6-1-10	1610
Relinquished by		Lisa DeSilva	ALOHA	6-1-10	1610
Received by		Tara Dickinson	Courier	6/3/10	1031
Relinquished by					
Received by					

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

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:
Name STRATUS ENV.
Address 3330 Cameron Park Dr. #550
City, State, Zip Cameron Park, CA
Phone Number 530-676-6004 Fax 530-676-6005

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

21975

Samples Collected From Which State?
AZ ___ CA X NV ___ WA ___
ID ___ OR ___ OTHER ___

Page # 2 of 2

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

Sampled by: Vince Z
Report Attention: Scott

Analyses Required

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

Time Sampled	Date Sampled 2010	Matrix* See Key Below	Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	GRO	BTEX	5 oxy's					REMARKS
1349	06 01	AQ	STR10060313-14	MW-13A	Std		5v	X	X	X					All - low detection Levels ethanol/ methanol

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Vince Zalutka	Vince Zalutka	STRATUS ENV	6-1-10	1610
Received by	[signature]	Lisa desylva	Alpha	6-1-10	1610
Relinquished by	[signature]	Lisa desylva	Alpha	1610	6-1-10
Received by	[signature]	Tara Dickinson	alpha	6/3/10	1031
Relinquished by					
Received by					

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

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

Submittal Type:	GEO_WELL
Submittal Title:	depth to groundwater measurements, 6/1/10
Facility Global ID:	T0600102286
Facility Name:	FOOTHILL MINI MART
File Name:	GEO_WELL.zip
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	12.186.106.98
Submittal Date/Time:	6/4/2010 2:04:33 PM
Confirmation Number:	2127753019

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

Submittal Type:	**EDF - Monitoring Report - Quarterly**
Submittal Title:	**2Q10 Groundwater Analytical**
Facility Global ID:	**T0600102286**
Facility Name:	**FOOTHILL MINI MART**
File Name:	**10060343.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**6/17/2010 1:56:07 PM**
Confirmation Number:	**8733834803**

VIEW QC REPORT

VIEW DETECTIONS REPORT