

Alameda County Health Care Services Agency

1131 Harbor Bay Pkwy, Suite 250

Alameda, CA 94502

Subject: RO#0000262

Albany Hill Mini Mart

800 San Pablo Avenuc

Albany, CA

RECEIVED

By Alameda County Environmental Health at 11:38 am, Feb 03, 2015

Attached please find a copy of the most recent groundwater sampling report for the above referenced site. 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,

Jasminder Sikand





Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

May 31, 2008

QUARTERLY GROUNDWATER MONITORING REPORT
FEBRUARY 2008 GROUNDWATER SAMPLING
ASE JOB NO. 3934

at
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, CA 94706

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391



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1.0 INTRODUCTION

Site Location (Site), See Figure 1

Albany Hill Mini Mart
800 San Pablo Avenue
Albany, CA 94706

Responsible Party

Dr. Joginder Sikand
1300 Ptarmigan Drive #1
Walnut Creek, CA 94595

Environmental Consulting Firm

Aqua Science Engineers, Inc. (ASE)
55 Oak Court, Suite 220
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Agency Review

Alameda County Health
Care Services Agency (ACHCSA)
1131 Harbor Bay Pkwy
Suite 250
Alameda, CA 94502
Contact: Jerry Wickham
(510) 567-6791

California Regional Water
Quality Control Board (RWQCB)
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612
Contact: Ms. Betty Graham
(510) 622-2433

The following is a report detailing the results of the February 2008 quarterly groundwater sampling at the Albany Hill Mini Mart Property. This sampling was conducted as required by the ACHCSA and RWQCB. ASE prepared this report on behalf of Dr. Joginder Sikand, the property owner and responsible party.



2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On February 25, 2008, ASE measured the depth to groundwater in all ten site monitoring wells using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No sheen or free-floating hydrocarbons were observed in any of the monitoring wells. Groundwater elevation data is presented in Table One. A groundwater potentiometric surface map is presented as Figure 2. The groundwater flow direction is to the west, southwest, south and southeast.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On February 25, 2008, ASE collected groundwater samples from all ten monitoring wells. Prior to sampling, each monitoring well was purged of at least three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Monitoring well MW-9 went dry after the purging of one well casing volume and was allowed to recover for two hours prior to sampling. Groundwater samples were collected from each well using the same polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to Kiff Analytical of Davis, California (ELAP #2236) under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A.

The well purge water was placed into a 55-gallon steel drum and labeled for temporary storage until proper disposal could be arranged.

The groundwater samples were analyzed by Kiff Analytical for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), and fuel oxygenates including methyl tertiary-butyl ether (MTBE) by EPA Method 8260B, and total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 8015M. The analytical results for this and previous sampling events are summarized in Table Two. The most recent certified analytical report and chain-of-custody documentation are included as Appendix B.

4.0 RESULTS AND CONCLUSIONS

- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-1 were similar to last quarter's results with a slight increase in TPH-G, TPH-D, benzene, ethylbenzene, MTBE and TBA concentrations and a slight decrease in toluene and xylene concentrations.
- TBA and MTBE concentrations in groundwater samples collected from monitoring well MW-2 decreased from last quarter. No TPH-G, TPH-D or BTEX were detected this quarter. In general, there has been a decreasing trend in hydrocarbon concentrations in this well since August 2000.



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- There was a significant decrease in TBA in groundwater samples collected from monitoring well MW-3 this quarter while the MTBE concentration remained similar to last quarter. No TPH-G, TPH-D or BTEX were detected this quarter.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-4 were similar to last quarter's results with a decrease in TPH-G and benzene concentrations and a slight increase in toluene, ethylbenzene, total xylene, TBA and MTBE concentrations.
- There was an increase in TPH-G and BTEX concentrations in groundwater samples collected from monitoring well MW-5R this quarter.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-6 increased this quarter.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring wells MW-7, MW-8 and MW-9 decreased this quarter.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-10 were similar to last quarter's results with a slight increase in TPH-D, benzene, MTBE and TBA concentrations and a slight decrease in TPH-G concentration.

Concentrations exceeding Environmental Screening Levels¹ (ESLs):

- In MW-1, TPH-G, TPH-D, benzene and total xylenes concentrations exceeded the ESLs.
- In MW-2, the MTBE concentration exceeded the ESL.
- In MW-3, the MTBE concentration exceeded the ESL.
- In MW-4, TPH-G, benzene, and total xylenes concentrations exceeded ESLs.
- In MW-5R, TPH-G, benzene, and ethyl benzene concentrations exceeded ESLs.
- In MW-6, TPH-G, benzene and MTBE concentration exceeded ESLs.
- In MW-7, the MTBE concentration exceeded the ESL.
- In MW-8, the MTBE concentration exceeded the ESL.
- In MW-9, TPH-G, benzene, ethyl benzene and total xylenes concentrations exceeded ESLs.
- In MW-10, TPH-G, TPH-D, benzene, and MTBE concentrations exceeded ESLs.

5.0 RECOMMENDATIONS

ASE recommends continued groundwater monitoring on a quarterly basis. The next groundwater sampling was conducted on May 20, 2008 and a report for that sampling will follow. The ozone-

¹ As presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated November 2007.



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sparging groundwater remediation system will also continue operation at the site during the next quarter.

6.0 REPORT LIMITATIONS

The results presented in this report represent the conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, P.G., R.E.A.
Senior Geologist



Attachments: Figures 1 and 2
Tables One and Two
Appendices A and B

cc: Mr. Jerry Wickham, ACHCSA
Ms. Betty Graham, RWQCB

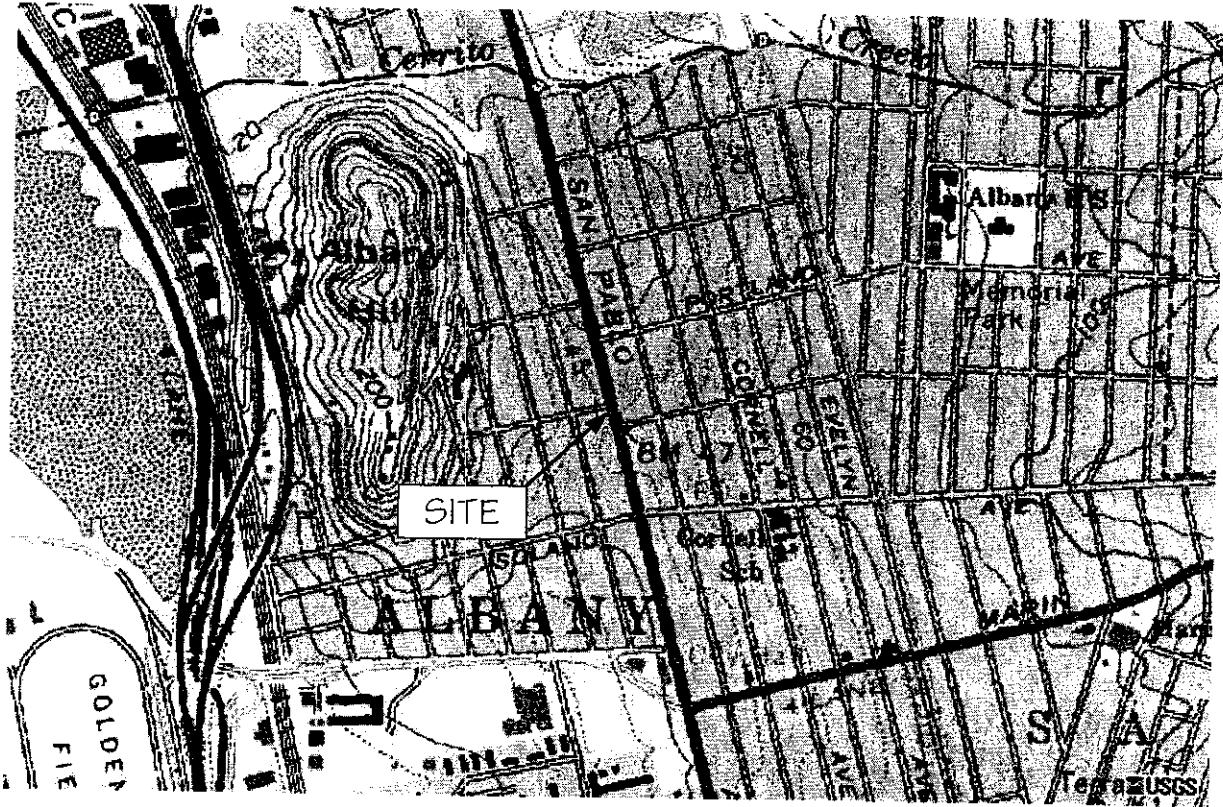


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FIGURES



NORTH



LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC.

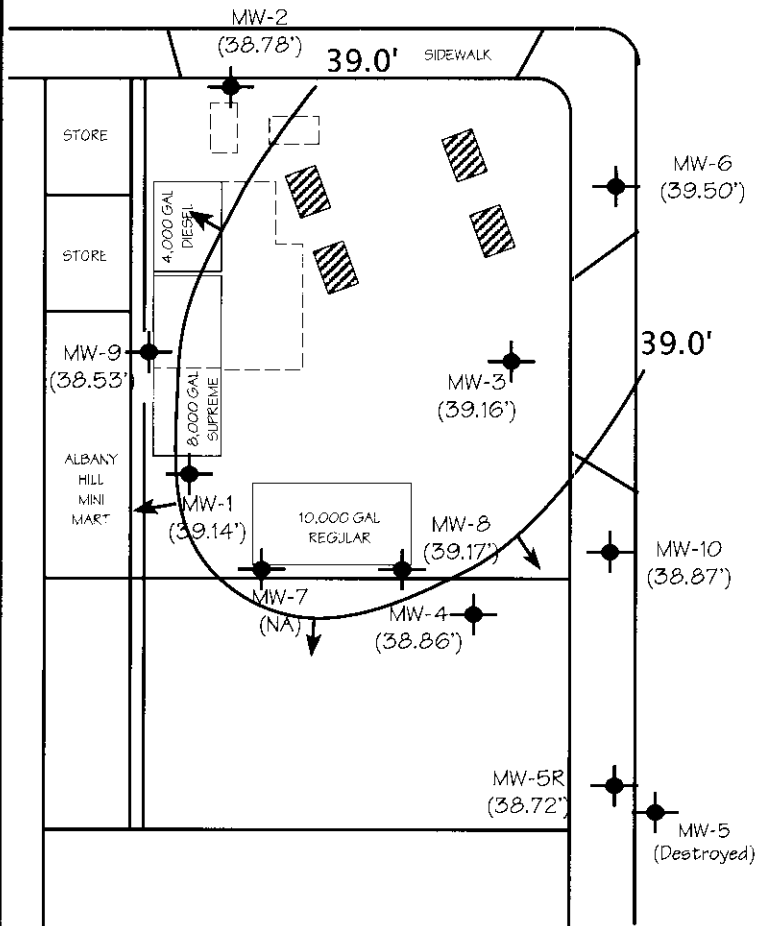
Figure 1



NORTH

SCALE: 1" = 20'

WASHINGTON AVENUE



SAN PABLO AVENUE

LEGEND

- MW-9 (38.53') MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET
- NA GROUNDWATER ELEVATION NOT AVAILABLE DUE TO BUBBLING RELATED TO SPARGING
- GROUNDWATER ELEVATION CONTOUR LINE WITH FLOW DIRECTION
- APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

POTENTIOMETRIC
SURFACE CONTOUR MAP
FEBRUARY 25, 2008

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 2



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TABLES

TABLE ONE
 Groundwater Elevation Data
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-1	8/6/99	101.68	11.95	89.73
	11/5/99		12.72	88.96
	2/7/00		10.34	91.34
	5/5/00		10.59	91.09
	8/3/00		11.75	89.93
	11/8/00		11.67	90.01
	2/8/01		11.20	90.48
	6/7/01		11.35	90.33
	9/7/01		11.71	89.97
	12/13/01		10.67	91.01
	6/13/02		11.42	90.26
	9/11/02		12.42	89.26
	2/14/03	46.42	10.69	35.73
	9/10/04		13.83	32.59
	12/7/04		12.18	34.24
	4/18/05		9.92	36.50
	6/20/05		10.64	35.78
	10/7/05		12.42	34.00
	12/7/05	48.82	11.51	34.91
	3/6/06		9.35	39.47
	6/27/06		10.07	38.75
	8/24/06		12.02	36.80
	11/20/06		12.02	36.80
	2/5/07		11.68	37.14
5/7/07	10.91		37.91	
8/3/07	12.34		36.48	
12/5/07	12.68	36.14		
2/25/08		9.68	39.14	
MW-2	8/6/99	101.57	10.83	90.74
	11/5/99		11.66	89.91
	2/7/00		9.23	92.34
	5/5/00		9.54	92.03
	8/3/00		10.69	90.88
	11/8/00		10.62	90.95
	2/8/01		10.17	91.40
	6/7/01		10.30	91.27
	9/7/01		10.65	90.92
	12/13/01		9.65	91.92
	6/13/02		10.37	91.20
	9/11/02		11.32	90.25
	2/14/03	45.31	9.59	35.72
	9/10/04		11.78	33.53
	12/7/04		11.13	34.18
	4/18/05		8.71	36.60
	6/20/05		9.60	35.71
	10/7/05		11.39	33.92
	12/7/05	47.71	11.49	33.82
	3/6/06		8.22	39.49
	6/27/06		9.45	38.26
	8/24/06		10.35	37.36
	11/20/06		10.87	36.84
	2/5/07		10.53	37.18
5/7/07	9.72		37.99	
8/3/07	11.47		36.24	
12/5/07	11.98	35.73		
2/25/08		8.93	38.78	

TABLE ONE
 Groundwater Elevation Data
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	
MW-3	8/6/99	100.33	10.58	89.75	
	11/5/99		11.39	88.94	
	2/7/00		9.05	91.28	
	5/5/00		9.29	91.04	
	8/3/00		10.43	89.90	
	11/8/00		10.33	90.00	
	2/8/01		9.94	90.39	
	6/7/01		10.04	90.29	
	9/7/01		10.31	90.02	
	12/13/01		9.38	90.95	
	6/13/02	10.03	90.30		
	9/11/02	11.02	89.31		
	2/14/03	45.08	9.40	35.68	
	9/10/04		12.51	32.57	
	12/7/04		11.86	33.22	
	4/18/05		8.49	36.59	
	6/20/05		9.34	35.74	
	10/7/05		11.11	33.97	
	12/7/05		10.22	34.86	
	3/6/06		47.49	8.84	38.65
	6/27/06			6.07	41.42
	8/24/06			10.26	37.23
	11/20/06	10.52		36.97	
2/5/07	10.41	37.08			
5/7/07	9.57	37.92			
8/3/07	11.06	36.43			
12/5/07	11.26	36.23			
2/25/08	8.33	38.16			
MW-4	6/13/02	100.05	10.18	89.87	
	9/11/02		11.12	88.93	
	2/14/03		45.20	9.51	35.69
	9/10/04			11.59	33.61
	12/7/04			10.91	34.29
	4/18/05	8.62		36.58	
	6/20/05	9.45		35.75	
	10/7/05	11.20		34.00	
	12/7/05	10.30		34.90	
	3/6/06	47.61	8.19	39.42	
	6/27/06		9.71	37.90	
	8/24/06		10.43	37.18	
	11/20/06		10.70	36.91	
	2/5/07		10.60	37.01	
	5/7/07	9.52	38.09		
	8/3/07	11.33	36.28		
	12/5/07	11.37	36.24		
2/25/08	8.75	38.86			

TABLE ONE
 Groundwater Elevation Data
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-5	6/13/02	98.37	8.88	89.49
	9/11/02		9.95	88.42
	2/14/03	44.12	8.66	35.46
	9/10/04		10.26	33.86
	12/7/04		10.79	33.33
	4/18/05	Well Destroyed by City During Street Construction		
MW-5R	10/7/05		10.94	
	12/7/05		9.97	
	3/6/06	47.36	4.93	42.43
	6/27/06		9.47	37.89
	8/24/06		10.10	37.26
	11/20/06		10.00	37.36
	2/5/07		10.21	37.15
	5/7/07		9.21	38.15
	8/3/07		10.60	36.76
	12/5/07		10.97	36.39
	2/25/08		8.64	38.72
MW-6	6/13/02	99.36	8.85	90.51
	9/11/02		9.82	89.54
	2/14/03	43.88	8.21	35.67
	9/10/04		10.33	33.55
	12/7/04		9.83	34.05
	4/18/05		7.08	36.80
	6/20/05		7.52	36.36
	10/7/05		10.92	32.96
	12/7/05		8.85	35.03
	3/6/06	46.27	6.22	40.05
	6/27/06		7.40	38.87
	8/24/06		9.15	37.12
	11/20/06		10.40	35.87
	2/5/07		9.20	37.07
	5/7/07		7.79	38.48
	8/3/07		9.96	36.31
	12/5/07		10.02	36.25
2/25/08		6.77	39.50	
MW-7	6/13/02	100.96	10.95	90.01
	9/11/02		11.90	89.06
	2/14/03	45.59	10.25	35.34
	9/10/04		12.35	33.24
	12/7/04		11.42	34.17
	4/18/05		9.34	36.25
	6/20/05		10.19	35.40
	10/7/05		12.96	32.63
	12/7/05	not sampled		
	3/6/06	48.36	8.92	39.44
	6/27/06		10.41	37.95
	8/24/06		11.21	37.15
	11/20/06		11.46	36.90
	2/5/07		11.34	37.02
	5/7/07		10.39	37.97
	8/3/07		12.09	36.27
	12/5/07		12.18	36.18
	2/25/08		Bubbling	---

TABLE ONE
Groundwater Elevation Data
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-8	6/13/02	100.54	10.57	89.97
	9/11/02		11.53	89.01
	2/14/03	45.59	9.98	35.61
	9/10/04		11.98	33.61
	12/7/04		11.42	34.17
	4/18/05		8.99	36.60
	6/20/05		9.83	35.76
	10/7/05		11.60	33.99
	12/7/05		11.69	33.90
	3/6/06	47.99	8.58	39.41
	6/27/06		10.06	37.93
	8/24/06		10.77	37.22
	11/20/06		11.12	36.87
	2/5/07		10.97	37.02
	5/7/07		9.94	38.05
	8/3/07		11.74	36.25
	12/5/07		11.80	36.19
	2/25/08			8.82
MW-9	2/14/03	46.86	10.84	36.02
	9/10/04		12.97	33.89
	12/7/04		12.84	34.02
	4/18/05		9.75	37.11
	6/20/05		10.83	36.03
	10/7/05		12.59	34.27
	12/7/05		12.56	34.30
	3/6/06	49.24	10.24	39.00
	6/27/06		9.83	39.41
	8/24/06		11.91	37.33
	11/20/06		12.42	36.82
	2/5/07		11.95	37.29
	5/7/07		11.20	38.04
	8/3/07		12.67	36.57
	12/5/07		12.96	36.28
2/25/08			10.71	38.53
MW-10	10/7/05		10.52	
	12/7/05	not sampled		
	3/6/06	46.90	7.46	39.44
	6/27/06		9.03	37.87
	8/24/06		9.75	37.15
	11/20/06		10.30	36.60
	2/5/07		9.83	37.07
	5/7/07		8.85	38.05
	8/3/07		11.00	35.90
	12/5/07		10.64	36.26
	2/25/08			8.03

Notes:

Data prior to September 10, 2004, including survey data, is based on tables compiled by AARS.

* Top of casing elevations were initially surveyed to an arbitrary benchmark. The elevations were resurveyed on November 15, 2002 with respect mean sea level.

TABLE TWO
 Summary of Analytical Results for **GROUNDWATER** Samples
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA
 All results are in **parts per billion (ppb)**

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
MW-1	8/6/99	1,500	1,200	4.3	2.9	9.1	28	--	--	ND	--
	11/5/99	1,800	1,400	5.1	3.2	8.9	33	--	--	ND	--
	2/7/00	1,100	890	3.3	1.9	5.6	21	--	--	ND	--
	5/7/00	970	650	2.9	1.7	4.9	18	--	--	ND	--
	8/3/00	1,200	270*	190	43.0	41	160	--	--	360	--
	11/8/00	4,200	230*	990	200.0	130	560	--	--	840**	--
	2/8/01	2,800	380*	630	130.0	51	250	--	--	390	--
	6/7/01	650	190	97	13.0	20	62	--	--	320	--
	9/7/01	970	400	260	17.0	44	140	--	--	460	--
	12/13/01	291	< 50	91.7	1.4	17.4	7.2	--	--	499	--
	6/13/02	5,120	2,160*	1,860	22.0	316	318	--	--	325	--
	11/11/02	824	< 50	216	< 5	22	20	--	--	290	--
	2/14/03	1,783	590*	546	5.0	90	52	--	--	321	--
	9/10/04	900	82	210	8.4	52	23	< 0.5	5.1	220	< 0.5
	12/7/04	540	< 80	130	3.1	24	14	< 0.5	< 5.0	240	< 0.5
	4/18/05	1,600	< 200	390	3.6	32	57	< 0.5	< 5.0	240	0.53,1,2-DCA
	6/20/05	2,500	< 300	740	12.0	110	69	< 0.5	5.7	240	< 0.50
	10/7/05	520	130	97	26.0	11	28	< 0.50	< 5.0	190	< 0.50
	12/7/05	220	86	42	11.0	6.2	12	< 0.50	< 5.0	230	< 0.50
	3/6/06	180	69	63	1.6	3.8	2.3	< 0.50	< 0.50	180	< 0.50
	6/27/06	2,800	< 300	1,100	7.1	140	44	< 0.50	9.9	220	< 0.50
	8/24/06	3,200	< 200	1,100	6.6	170	16	< 2.0	< 9.0	250	< 2.0
	11/20/06	630	< 50	170	1.2	22	2.8	< 0.50	6.2	220	< 0.50
	2/5/07	570	< 50	180	1.0	23	3.4	< 0.50	< 5.0	180	< 0.50
	5/7/07	500	< 50	200	0.64	12	0.72	< 0.50	< 5.0	210	< 0.50
	8/3/07	930	< 80	300	2.8	49	6.8	< 0.50	7.1	160	< 0.50
	12/5/07	560	< 50	150	37	9.8	46	< 0.50	< 5.0	100	< 0.50
	2/25/08	1,000	100	340	11	14	23	< 0.50	11	170	< 0.50
MW-2	8/6/99	ND	340	ND	ND	ND	ND	--	--	ND	--
	11/5/99	ND	420	ND	ND	ND	0.7	--	--	ND	--
	2/7/00	ND	310	ND	ND	ND	0.6	--	--	ND	--
	5/7/00	ND	280	ND	ND	ND	< 1	--	--	ND	--
	8/3/00	460	70*	79	3.0	43	8	--	--	3,300	--
	11/8/00	200	120	57	2.0	13	8	--	--	3,000	--
	2/8/01	290	80	50	1.0	0.6	4	--	--	3,100	--
	6/7/01	210	80	18	0.6	3	5	--	--	2,000	--
	9/7/01	230	ND	51	ND	8	8	--	--	2,400	--
	12/13/01	172	ND	53	1.2	7.7	8.4	--	--	1,780	--
	6/13/02	86	< 50	6	6.7	1.1	4.5	--	--	1,830	--
	11/11/02	1,040	< 50	5	1.0	< 1	5	--	--	1,250	--
	2/14/03	82	< 50	8	< 1	1	< 3	--	--	1,520	--
	9/10/04	< 100	72	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	620	< 1.0
	12/7/04	< 150	86	17	< 1.5	< 1.5	< 1.5	< 1.5	< 7.0	540	< 1.5
	4/18/05	280	130	55	< 1.5	4.4	< 1.5	< 1.5	< 2.0	840	< 1.5
	6/20/05	200	100	34	< 0.90	2.4	2.7	< 0.90	5.2	540	< 0.90
	10/7/05	< 90	150	11	< 0.90	< 0.90	< 0.90	< 0.90	< 5.0	360	< 0.90
	12/7/05	< 90	110	1.5	< 0.90	< 0.90	< 0.90	< 0.90	< 5.0	500	< 0.90
	3/6/06	< 90	88	7.0	< 0.90	< 0.90	< 0.90	< 0.90	5.2	610	< 0.50
	6/27/06	270	150	49	< 0.50	5.1	3.4	0.58	8.9	540	< 0.50
	8/24/06	110	120	13	< 0.50	1.3	< 0.50	< 0.50	< 5.0	480	< 0.50
	11/20/06	56	< 50	5.6	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	330	< 0.50
	2/5/07	98	< 50	28	< 0.50	< 0.50	< 0.50	0.61	< 5.0	500	< 0.50
	5/7/07	< 90	< 50	22	< 0.90	< 0.90	< 0.90	< 0.90	6.0	450	< 0.90
	8/3/07	< 50	< 50	2.2	< 0.50	< 0.50	< 0.50	< 0.50	9.0	240	< 0.50
	12/5/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	37	82	< 0.50
	2/25/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	10	< 0.50

TABLE TWO
 Summary of Analytical Results for **GROUNDWATER** Samples
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA
 All results are in **parts per billion (ppb)**

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs	
MW-3	8/6/99	ND	ND	ND	ND	ND	ND	--	--	ND	--	
	11/5/99	92	54	ND	ND	0.6	1.7	--	--	ND	--	
	2/7/00	120	71	ND	0.6	0.8	2.2	--	--	ND	--	
	5/7/00	100	68	ND	ND	0.7	1.9	--	--	ND	--	
	8/3/00	910	300*	220	9.0	35	16	--	--	11,000**	--	
	11/8/00	990	200	320	0.8	18	9	--	--	8,000	--	
	2/8/01	990	110	180	21.0	7	2.4	--	--	5,200**	--	
	6/7/01	370	140	62	4.0	8	13	--	--	6,600**	--	
	9/7/01	460	ND	87	1.0	11	25	--	--	9,400**	--	
	12/13/01	251	ND	66.8	0.9	2.6	8.4	--	--	6,610	--	
	6/13/02	3,630	< 50	41	60.0	41	187	--	--	8,820**	--	
	11/11/02	6,210	< 50	150	< 1	5	< 3	--	--	7,770	--	
	2/14/03	176	< 50	31	< 1	2	< 3	--	--	5,040	--	
	9/10/04	< 1,000	140	110	< 10	< 10	21	20	200	4,400	< 10	
	12/7/04	1,000	150	310	19.0	24	50	21	< 100	4,000	< 10	
	4/18/05	750	150	170	16.0	33	36	6.1	< 50	1,700	< 5.0	
	6/20/05	680	120	140	9.7	20	38	7.4	< 20	1,900	< 4.0	
	10/7/05	630	160	140	10.0	11	34	9.2	< 20	2,000	< 4.0	
	12/7/05	550	200	128	6.4	7.2	10	11	56	2,400	< 4.0	
	3/6/06	88	36	< 2.0	5.3	2.1	4.2	13	1,000	1,000	< 2.0	
	6/27/06	7,400	< 1,500	2,800	12	190	56	9.8	110	760	< 4.0	
	8/24/06	< 400	130	24	< 4.0	< 4.0	14	9.0	40	2,800	< 4.0	
	11/20/06	< 400	< 50	42	< 4.0	4.4	8.7	7.3	71	1,700	< 4.0	
	2/5/07	440	< 50	110	4.2	< 4.0	16	7.3	39	1,600	< 4.0	
	5/25/07	240	< 50	52	4.3	4.3	18	4.3	140	1,100	< 2.0	
	8/3/07	500	< 50	190	7.2	12	40	4.4	320	860	< 1.5	
	12/5/07	< 150	< 50	< 1.5	< 1.5	< 1.5	< 1.5	5.1	280	1,200	< 1.5	
	2/25/08	< 200	< 50	< 2.0	< 2.0	< 2.0	< 2.0	5.0	13	1,300	< 2.0	
	MW-4	6/13/02	4,460	1,500*	425	409.0	115	730	--	--	32	--
		11/11/02	5,150	2,380*	2,010	74.0	399	252	--	--	< 20	--
		2/14/03	6,360	2,410*	1,560	82.0	274	573	--	--	< 1	--
		9/10/04	1,600	180	370	6.5	68	93	< 1.0	10	13	1.1 (DIPE)
		12/7/04	1,900	< 200	450	8.2	72	100	< 0.9	5.4	9.5	< 0.9
4/18/05		10,000	< 800	1,500	27.0	420	900	< 1.5	15	18	< 1.5	
6/20/05		6,100	< 600	830	19.0	280	400	< 1.5	17	22	< 1.5	
10/7/05		3,200	< 500	660	8.7	110	140	< 1.5	12	14	< 1.5	
12/7/05		1,000	< 200	220	2.5	48	37	< 0.5	< 5.0	12	< 0.5	
3/6/06		1,200	< 300	280	2.1	32	77	0.65	< 0.50	75	1.0 (DIPE) / 0.57(1,2-DCA)	
6/27/06		2,000	< 300	570	4.0	110	120	< 0.90	15	110	1.2(DIPE)	
8/24/06		2,500	< 300	830	6.5	120	120	< 0.90	18	95	< 0.90	
11/20/06		1,900	< 80	590	4.8	37	29	< 1.5	< 1.5	14	< 1.5	
2/5/07		2,700	< 80	970	4.4	53	62	< 1.5	< 12	45	< 1.5	
5/7/07		2,900	< 200	1,200	5.0	89	95	< 1.5	18	34	< 1.5	
8/3/07		1,800	< 200	610	3.4	36	25	0.62	9.3	25	1.4 DIPE	
12/5/07		1,300	< 200	530	3.4	3.4	20	< 0.90	6.0	32	0.98 DIPE	
2/25/08		800	< 50	180	6.0	15	35	< 0.50	30	44	0.76 DIPE	

TABLE TWO
 Summary of Analytical Results for GROUNDWATER Samples
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA
 All results are in parts per billion (ppb)

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs	
MW-5	6/13/02	536	< 50	6.4	0.6	22	23	--	--	11	--	
	11/11/02	3,270	1,230*	< 1	< 1	28	8	--	--	< 1	--	
	2/14/03	1,260	610*	9	7.0	22	5	--	--	< 1	--	
	9/10/04	1,300	150	2.4	< 0.50	0.77	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	12/7/04	1,000	< 200	4.1	< 0.50	1.4	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	4/18/05	Improperly Destroyed by City of Albany During Street Improvement										
MW-5R	10/7/05	760	< 800	2	< 0.50	8.3	1.2	< 0.50	< 5.0	< 0.50	< 0.50	
	12/7/05	5,200	< 2,000	36	1.0	320	15	< 0.50	< 5.0	< 0.50	< 0.50	
	3/6/06	6,300	< 3,000	44	1.2	370	19	< 0.90	5.9	< 0.90	< 0.90	
	6/27/06	5,100	< 2,000	53	1.3	370	17	< 0.50	5.6	< 0.50	< 0.50	
	8/24/06	6,500	< 2,000	80	1.8	510	18	< 0.90	9.9	< 0.90	< 0.90	
	11/20/06	5,400	< 600	160	2.4	370	100	< 0.90	10	81	< 0.90	
	2/5/07	6,300	< 1,500	69	3.2	480	31	< 0.80	10	< 0.80	< 0.80	
	5/7/07	5,600	< 500	61	2.4	510	19	< 0.90	11	< 0.90	< 0.90	
	8/3/07	170	< 50	3.7	< 0.50	< 0.50	< 0.50	1.4	9.2	330	< 0.50	
	12/5/07	4,500	< 800	32	1.3	240	10	< 0.50	< 5.0	< 0.50	< 0.50	
	2/25/08	6,000	< 600	41	1.7	310	13	< 0.50	5.6	< 0.50	< 0.50	
	MW-6	6/13/02	2,980	1,460*	31	2.3	3.8	12	--	--	310	--
		11/11/02	3,570	1,210*	336	5	< 5	< 15	--	--	95	--
2/14/03		3,770	1,620*	429	12	7	10	--	--	122	--	
9/10/04		< 1,000	390	2.7	< 0.50	< 0.50	< 0.50	2.3	48	280	< 0.50	
12/7/04		1,800	< 600	32	1.7	< 0.50	1.1	2.2	49	160	< 0.50	
4/18/05		1,200	1,400	34	1.3	< 0.50	0.90	0.86	19	36	< 0.50	
6/20/05		590	1,300	3.3	< 0.50	< 0.50	< 0.50	< 0.50	5.5	8.5	< 0.50	
10/7/05		470	1,300	6.8	< 0.50	< 0.50	< 0.50	0.67	20	82	< 0.50	
12/7/05		420	910	10	< 0.50	< 0.50	< 0.50	< 0.50	7.3	22	< 0.50	
3/6/06		790	590	3.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4.3	< 0.50	
6/27/06		2,600	980	100	4.0	0.96	2.2	1.0	49	78	< 0.50	
8/24/06		1,200	960	57	2.3	< 0.50	1.1	0.82	34	64	< 0.50	
11/20/06		1,300	< 200	58	1.7	< 0.50	1.3	< 0.50	18	26	< 0.50	
2/5/07		1,200	< 200	49	1.8	< 0.50	1.6	0.90	45	67	< 0.50	
5/7/07		290	< 50	3.1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	5.0	< 0.50	
8/3/07		580	< 80	23	1.0	< 0.50	< 0.50	0.57	34	45	< 0.50	
12/5/07		870	< 800	2.8	< 0.50	< 0.50	< 0.50	0.58	20	54	< 0.50	
2/25/08	1,400	< 500	16	0.73	< 0.50	9.6	< 0.50	19	77	< 0.50		
MW-7	6/13/02	24,100	1,570*	2,310	657	945	5,430	--	--	951	--	
	11/11/02	4,760	2,160*	1,820	21	316	1,141	--	--	702	--	
	2/14/03	4,320	2,380*	1,020	7	223	293	--	--	1,410	--	
	9/10/04	4,800	< 300	640	16	250	490	< 1.5	31	590	< 1.5	
	12/7/04	990	< 300	140	3.4	49	70	4.0	< 20	960	< 2.0	
	4/18/05	1,400	< 300	260	1.3	96	16	< 1.0	20	370	< 1.0	
	6/20/05	1,900	< 200	320	1.0	130	24	< 0.50	17	370	< 0.50	
	10/7/05	2,600	< 800	190	4.7	91	200	< 0.73	8.0J	310	< 0.50	
	12/7/05	Not sampled. Inaccessible										
	3/6/06	640	< 200	85	0.88	24	30	< 0.50	8.0	150	< 0.50	
	6/27/06	1,200	< 200	180	1.7	64	64	< 0.50	14	150	< 0.50	
	8/24/06	990	< 200	120	0.96	36	51	< 0.50	13	180	< 0.50	
	11/20/06	1,600	< 200	200	1.6	59	160	< 0.50	5.2	180	< 0.50	
	2/5/07	2,300	< 200	390	2.6	120	140	< 0.50	15	190	< 0.50	
	5/7/07	490	< 80	190	0.61	9.3	3.2	0.55	16	200	< 0.50	
	8/3/07	2,100	< 200	390	2.4	94	73	0.61	19	220	0.51 DIPE	
	12/5/07	140	< 50	7.2	0.67	3.0	18	0.98	150	180	< 0.50	
	2/25/08	< 50	< 50	0.98	< 0.50	0.69	2.4	< 0.50	< 5.0	100	< 0.50	

TABLE TWO
 Summary of Analytical Results for **GROUNDWATER** Samples
Albany Hill Mini Mart
 800 San Pablo Avenue, Albany, CA
 All results are in parts per billion (ppb)

Well ID or Sample Point	Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs	
MW-8	6/13/02	20,000	7,760*	2,200	1,140	1,050	4,090	--	--	12,000	--	
	11/11/02	5,010	2,010*	187	<1	15	<3	--	--	16,600	--	
	2/14/03	1,980	<50	607	6	113	40	--	--	11,500	--	
	9/10/04	<2,000	200	110	<20	26	49	25	<200	8,600	<20	
	12/7/04	2,000	280	420	<10	40	61	31	100	6,800	<10	
	4/18/05	<1000	250	76	<10	23	<10	17	<100	3,700	<10	
	6/20/05	1,300	300	190	<7.0	21	40	19	<40	3,400	<7.0	
	10/7/05	<700	200	85	<7.0	9.3	8.3	23	<40	4,400	<7.0	
	12/7/05	1,400	300	250	8.7	41	90	18	<40	4,400	<7.0	
	3/6/06						Not sampled. Inaccessible					
	6/27/06	710	250	100	<5.0	7.8	26	16	30	3,100	<5.0	
	8/24/06	540	260	74	<5.0	5.4	45	15	<25	2,700	<5.0	
	11/20/06	2,100	<100	380	4.4	18	170	10	530	1,900	<4.0	
	2/5/07	1,700	<100	560	3.9	7.5	80	2.7	970	630	<1.0	
	5/7/07	510	<50	170	0.61	2.1	5.4	0.57	460	110	<0.50	
	8/3/07	840	<80	240	1.6	7.0	18	<0.50	100	100	<0.50	
	12/5/07	1,400	<300	9.2	3.9	36	310	1.5	210	370	<0.50	
	2/25/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	130	<0.50
	MW-9	6/27/02	19,000	--	1,430	1,750	501	5,410	--	--	<0.5	--
		11/11/02	19,000	13,200*	3,390	4,540	1,020	9,050	--	--	549	--
2/14/03		21,300	8,200*	1,700	2,200	701	4,970	--	--	<1	--	
9/10/04		12,000	<1,500	890	37	280	2,000	<5.0	<5.0	<5.0	<5.0	
12/7/04		13,000	<1,500	950	580	480	2,900	<5.0	<5.0	<5.0	<5.0	
4/18/05		9,600	<1,000	620	180	260	1,400	<2.5	<25	<2.5	<2.5	
6/20/05		9,800	<1,500	760	260	430	1,400	<2.0	<9.0	<2.0	<2.0	
10/7/05		3,400	<1000	350	170	100	480	<0.50	<0.50	<0.50	<0.50	
12/7/05		5,600	<1000	320	97	200	580	<0.90	<5.0	<0.50	<0.50	
3/6/06		4,200	<800	460	120	97	600	<0.90	<5.0	<0.90	<0.50	
6/27/06		8,100	<1,000	710	330	390	1,700	<0.50	<5.0	<2.0	<0.50	
8/24/06		6,100	<800	550	220	280	1,200	<2.0	<9.0	<2.0	<2.0	
11/20/06		5,200	<400	310	98	130	850	<1.0	<5.0	<1.0	<1.0	
2/5/07		4,500	<400	370	120	190	720	<1.0	<5.0	<1.0	<1.0	
5/7/07		6,400	<300	700	220	380	1,200	<1.0	<5.0	<1.0	<1.0	
8/3/07		5,300	<300	380	140	290	830	<0.90	<5.0	<0.90	<0.90	
12/5/07	4,100	<300	250	84	130	990	<1.0	<5.0	<1.0	<1.0		
2/25/08	2,600	<300	250	20	120	290	<0.50	<5.0	<5.0	<0.50		
MW-10	10/7/05	470	330	17	<0.50	2	11	1.2	9.4J	210	<0.50	
	12/7/05						Not sampled. Inaccessible					
	3/6/06	130	130	4.2	<0.50	<0.50	<0.50	4.9	13	820	0.55 (DIPE)	
	6/27/06	<400	140	4.4	<0.50	<0.50	<0.50	8.9	21	1,300	0.60 (DIPE)	
	8/24/06	<400	140	<4.0	<4.0	<4.0	<4.0	7.0	<20	1,400	<4.0	
	11/20/06	<150	<50	2.5	<1.5	<1.5	<1.5	3.3	10	750	<1.5	
	2/5/07	170	<50	3.0	<0.90	<0.90	<0.90	2.4	6.5	440	<0.90	
	5/7/07	96	<50	2.3	<0.50	<0.50	<0.50	0.83	<5.0	180	<0.50	
	8/3/07	5,000	<1,000	67	2.3	410	14	<0.50	6.7	<0.50	<0.50	
	12/5/07	310	<50	1.2	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	
2/25/08	240	240	5.3	<0.50	<0.50	<0.50	<0.50	9.3	57	<0.50		

Notes:

Data prior to August 2004 is based on a table compiled by AARS - ASE has not checked results against original laboratory reports.

* Does not match diesel pattern

** Confirmed by GC/MS method B260

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (November 2007)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region for sites where groundwater is a current or potential source of drinking water.

Most recent concentrations are in **Bold**.

Non-detectable concentrations noted by the less than sign (<); followed by the laboratory detection limit.

NE indicates that no ESL has been established for this compound.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-6 SAMPLER DA

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 6.77

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 17.93

NUMBER OF GALLONS PER WELL CASING VOLUME 2.86

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 8.6

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BALLER

TIME EVACUATION STARTED 1327 TIME EVACUATION COMPLETED 1340

TIME SAMPLES WERE COLLECTED 1342

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 8.6

SAMPLING DEVICE NEW DISPOSABLE BALLER

SAMPLE COLOR LT BRN. ODOR/SEDIMENT MUD HC / SLIGHT.
(sleek?)

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.9	7.89	890
2	63.9	7.91	898
3	64.0	7.92	895

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-6</u>	<u>5</u>	<u>40 ml Vot</u>	<u>8260 B + TPH+D</u>	<u>✓</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02.25.08

WELL ID. MW-7 SAMPLER DA

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING NA

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER

NUMBER OF GALLONS PER WELL CASING VOLUME

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1210 TIME EVACUATION COMPLETED 1217

TIME SAMPLES WERE COLLECTED 1218

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT. ORANGE BROWN ODOR/SEDIMENT STRONG O₃ / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	62.4	8.35	1001
2	62.5	8.35	1007
3	62.7	8.37	1008

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	5	40 ml VOA	8260A + TPH-D	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-8 SAMPLER DA

TOTAL DEPTH OF WELL 19.1 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.82

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.28

NUMBER OF GALLONS PER WELL CASING VOLUME 1.64

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.9

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAUER

TIME EVACUATION STARTED 1157 TIME EVACUATION COMPLETED 1205

TIME SAMPLES WERE COLLECTED 1207

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE NEW DISPOSABLE BAUER

SAMPLE COLOR UPSIDE ORANGE BROWN ODOR/SEDIMENT NONE / HEAVY

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	61.4	8.40	826
2	61.6	8.28	826
3	61.6	8.27	827

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-8</u>	<u>5</u>	<u>40 ml vial</u>	<u>8260 B + TPH-D</u>	<input checked="" type="checkbox"/>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-9 SAMPLER DA

TOTAL DEPTH OF WELL 16.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 10.71

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 6.09

NUMBER OF GALLONS PER WELL CASING VOLUME 0.97

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAKER

TIME EVACUATION STARTED 1130 TIME EVACUATION COMPLETED 1135

TIME SAMPLES WERE COLLECTED 1505

DID WELL GO DRY Yes AFTER HOW MANY GALLONS 1

VOLUME OF GROUNDWATER PURGED 1

SAMPLING DEVICE NEW DISPOSABLE BAKER

SAMPLE COLOR Clear ODOR/SEDIMENT SLIGHT HC/NONE

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.8	7.75	754

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-9</u>	<u>5</u>	<u>40 ml VOA</u>	<u>8260 B + TPH-D</u>	<input checked="" type="checkbox"/>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-10 SAMPLER DA

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.03

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 16.67

NUMBER OF GALLONS PER WELL CASING VOLUME 2.66

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING ✓

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1408 TIME EVACUATION COMPLETED 1426

TIME SAMPLES WERE COLLECTED 1428

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 8

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LTBN ODOR/SEDIMENT SIGHT/SIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	64.4	7.45	1158
2	64.7	7.41	1166
3	64.7	7.42	1164

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-10	5	40 ml vial	8260B + TPH-D	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-1 SAMPLER DA

TOTAL DEPTH OF WELL 24.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 9.68

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 14.52

NUMBER OF GALLONS PER WELL CASING VOLUME 2.32

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAKER

TIME EVACUATION STARTED 1222 TIME EVACUATION COMPLETED 1231

TIME SAMPLES WERE COLLECTED 1232

DID WELL GO DRY NO AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED 7

SAMPLING DEVICE NEW DISPOSABLE BAKER

SAMPLE COLOR Clear ODOR/SEDIMENT SLIGHT HC / None

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	62.5	7.22	1153
2	62.7	7.74	1152
3	62.7	7.73	1170

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40 ml VOA	8260 BT TPT-H-D	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-2 SAMPLER DA

TOTAL DEPTH OF WELL 24.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.93

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 15.87

NUMBER OF GALLONS PER WELL CASING VOLUME 2.54

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 26

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAUER

TIME EVACUATION STARTED 1310 TIME EVACUATION COMPLETED 1320

TIME SAMPLES WERE COLLECTED 1322

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 7.6

SAMPLING DEVICE NEW DISPOSABLE BAUER

SAMPLE COLOR LT TAN ODOR/SEDIMENT 03/ very slight.

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	64.3	7.75	541
2	64.2	7.90	542
3	64.8	7.88	542

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-2</u>	<u>5</u>	<u>40 ml vial</u>	<u>8260 B + TPH-D</u>	<u>✓</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02.25.08

WELL ID. MW-3 SAMPLER DA

TOTAL DEPTH OF WELL 23.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.33

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 15.47

NUMBER OF GALLONS PER WELL CASING VOLUME 2.47

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7.4

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAIER

TIME EVACUATION STARTED 1347 TIME EVACUATION COMPLETED 1401

TIME SAMPLES WERE COLLECTED 1403

DID WELL GO DRY NO AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED 7.4

SAMPLING DEVICE NEW DISPOSABLE BAIER

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO / SUCENT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.6	7.39	992
2	65.7	7.41	990
3	65.7	7.40	990

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40 ml VOA	8260B + TPH-D	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-4 SAMPLER DA

TOTAL DEPTH OF WELL 24.5 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.75

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 15.71

NUMBER OF GALLONS PER WELL CASING VOLUME 2.52

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7.5

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAUER

TIME EVACUATION STARTED 1433 TIME EVACUATION COMPLETED 1448

TIME SAMPLES WERE COLLECTED 1450

DID WELL GO DRY NO AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED 7.5

SAMPLING DEVICE NEW DISPOSABLE BAUER

SAMPLE COLOR LT BRN ODOR/SEDIMENT SLIGHT/SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.9	7.33	1923
2	64.1	7.35	1930
3	64.0	7.34	1930

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-4</u>	<u>5</u>	<u>40 ml vial</u>	<u>8260 B + TPH-D</u>	<u>✓</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 02-25-08

WELL ID. MW-5R SAMPLER DA

TOTAL DEPTH OF WELL 19.58 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 8.64

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.94

NUMBER OF GALLONS PER WELL CASING VOLUME 1.75

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.25

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BALLER

TIME EVACUATION STARTED 1143 TIME EVACUATION COMPLETED 1150

TIME SAMPLES WERE COLLECTED 1152

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.25

SAMPLING DEVICE NEW DISPOSABLE BALLER

SAMPLE COLOR LT BRN ODOR/SEDIMENT SLT. HC / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.1	7.52	758
2	63.1	7.56	760
3	63.2	7.57	761

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5R	5	40 ml vial	8260 B + TPH-D	✓



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation



Report Number : 61281

Date : 3/5/2008

David Allen
Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526

Subject : 10 Water Samples
Project Name : Albany Hill Mini Mart
Project Number : 3934

Dear Mr. Allen,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Dahl".

Jeff Dahl



Subject : 10 Water Samples
Project Name : Albany Hill Mini Mart
Project Number : 3934

Case Narrative

Tert-Butanol results for sample MW-3 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.

Approved By:

Jeff Dahl

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-1**

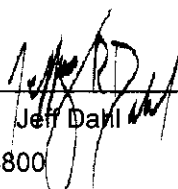
Matrix : Water

Lab Number : 61281-01

Sample Date : 2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	340	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	11	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	14	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	23	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	170	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	11	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	1000	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	100	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	109		% Recovery	M EPA 8015	3/5/2008

Approved By:





Report Number : 61281

Date : 3/5/2008

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-2**

Matrix : Water

Lab Number : 61281-02

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	10	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	92.5		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	104		% Recovery	M EPA 8015	3/5/2008

Approved By:

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-3**

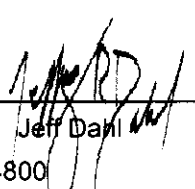
Matrix : Water

Lab Number : 61281-03

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Toluene	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	1300	2.5	ug/L	EPA 8260B	3/4/2008
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	5.0	2.0	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	13 J	9.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	< 200	200	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	91.4		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/4/2008
Octacosane (Diesel Silica Gel Surr)	112		% Recovery	M EPA 8015	3/4/2008

Approved By:



Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-4**

Matrix : Water

Lab Number : 61281-04

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	180	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	6.0	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	15	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	35	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	44	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	0.76	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	30	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	800	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	100		% Recovery	M EPA 8015	3/5/2008

Approved By:


Jeff Dahl

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-5R**

Matrix : Water

Lab Number : 61281-05

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	41	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	1.7	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	310	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	13	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	5.6	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	6000	90	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	84.8		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 600	600	ug/L	M EPA 8015	3/4/2008
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Diesel Silica Gel Surr)	92.5		% Recovery	M EPA 8015	3/4/2008

Approved By:


Jeff Dahl

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-6**

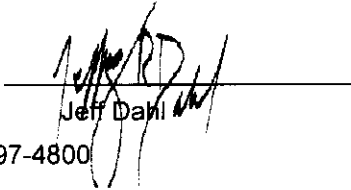
Matrix : Water

Lab Number : 61281-06

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	16	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	0.73	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	9.6	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	77	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	19	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	1400	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 500	500	ug/L	M EPA 8015	3/4/2008
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Diesel Silica Gel Surr)	103		% Recovery	M EPA 8015	3/4/2008

Approved By:


Jeff Dahl



Report Number : 61281

Date : 3/5/2008

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-7**

Matrix : Water

Lab Number : 61281-07

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.98	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	0.69	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	2.4	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	100	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	114		% Recovery	M EPA 8015	3/5/2008

Approved By:

Jeff Dahl



Report Number : 61281

Date : 3/5/2008

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-8**

Matrix : Water

Lab Number : 61281-08

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	130	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/4/2008
Octacosane (Diesel Silica Gel Surr)	113		% Recovery	M EPA 8015	3/4/2008

Approved By:

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-9**

Matrix : Water

Lab Number : 61281-09

Sample Date : 2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	250	0.50	ug/L	EPA 8260B	3/3/2008
Toluene	20	0.50	ug/L	EPA 8260B	3/3/2008
Ethylbenzene	120	0.50	ug/L	EPA 8260B	3/3/2008
Total Xylenes	290	0.50	ug/L	EPA 8260B	3/3/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/3/2008
TPH as Gasoline	2600	50	ug/L	EPA 8260B	3/3/2008
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	3/3/2008
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	3/3/2008
TPH as Diesel (Silica Gel)	< 300	300	ug/L	M EPA 8015	3/4/2008
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Diesel Silica Gel Surr)	110		% Recovery	M EPA 8015	3/4/2008

Approved By:

Jeff Dahl





Report Number : 61281

Date : 3/5/2008

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Sample : **MW-10**

Matrix : Water

Lab Number : 61281-10

Sample Date :2/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.3	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	57	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	9.3	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	240	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/1/2008
TPH as Diesel (Silica Gel)	240	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	100		% Recovery	M EPA 8015	3/5/2008

Approved By:

Report Number : 61281

Date : 3/5/2008


QC Report : Method Blank Data

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/3/2008
Octacosane (Diesel Silica Gel Surr)	95.0		%	M EPA 8015	3/3/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/5/2008
Octacosane (Diesel Silica Gel Surr)	108		%	M EPA 8015	3/5/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/29/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/29/2008
Toluene - d8 (Surr)	99.1		%	EPA 8260B	2/29/2008
4-Bromofluorobenzene (Surr)	91.5		%	EPA 8260B	2/29/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/29/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/29/2008
Toluene - d8 (Surr)	98.6		%	EPA 8260B	2/29/2008
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	2/29/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2008
Toluene - d8 (Surr)	99.7		%	EPA 8260B	3/1/2008
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	3/1/2008

Approved By:  Jeff Dah

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 61281

Date : 3/5/2008


QC Report : Method Blank Data

Project Name : **Albany Hill Mini Mart**

Project Number : **3934**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/3/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/3/2008
Toluene - d8 (Surr)	98.2		%	EPA 8260B	3/3/2008
4-Bromofluorobenzene (Surr)	98.2		%	EPA 8260B	3/3/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/29/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/29/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/29/2008
Toluene - d8 (Surr)	102		%	EPA 8260B	2/29/2008
4-Bromofluorobenzene (Surr)	91.8		%	EPA 8260B	2/29/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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Approved By:  _____

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Albany Hill Mini Mart**Project Number : **3934**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH-D (Si Gel)	Blank	<50	1000	1000	855	818	ug/L	M EPA 8015	3/3/08	85.5	81.8	4.38	70-130	25
TPH-D (Si Gel)	Blank	<50	1000	1000	847	857	ug/L	M EPA 8015	3/5/08	84.7	85.7	1.12	70-130	25
Benzene	61282-07	0.51	40.0	40.0	41.7	42.3	ug/L	EPA 8260B	3/1/08	103	104	1.39	70-130	25
Toluene	61282-07	<0.50	40.0	40.0	40.7	41.8	ug/L	EPA 8260B	3/1/08	102	104	2.55	70-130	25
Tert-Butanol	61282-07	<5.0	200	200	199	211	ug/L	EPA 8260B	3/1/08	99.6	106	5.86	70-130	25
Methyl-t-Butyl Ether	61282-07	<0.50	40.0	40.0	34.4	35.3	ug/L	EPA 8260B	3/1/08	86.1	88.3	2.52	70-130	25
Benzene	61310-03	<0.50	40.0	40.0	43.6	41.1	ug/L	EPA 8260B	2/29/08	109	103	5.93	70-130	25
Toluene	61310-03	<0.50	40.0	40.0	42.5	39.8	ug/L	EPA 8260B	2/29/08	106	99.6	6.38	70-130	25
Tert-Butanol	61310-03	<5.0	200	200	216	212	ug/L	EPA 8260B	2/29/08	108	106	1.56	70-130	25
Methyl-t-Butyl Ether	61310-03	<0.50	40.0	40.0	45.4	44.6	ug/L	EPA 8260B	2/29/08	113	112	1.60	70-130	25
Benzene	61310-04	<0.50	40.0	40.0	39.4	39.2	ug/L	EPA 8260B	2/29/08	98.6	97.9	0.678	70-130	25
Toluene	61310-04	<0.50	40.0	40.0	42.3	42.7	ug/L	EPA 8260B	2/29/08	106	107	0.873	70-130	25
Tert-Butanol	61310-04	<5.0	200	200	199	205	ug/L	EPA 8260B	2/29/08	99.5	102	3.01	70-130	25
Methyl-t-Butyl Ether	61310-04	<0.50	40.0	40.0	35.8	36.4	ug/L	EPA 8260B	2/29/08	89.6	91.1	1.65	70-130	25
Benzene	61276-09	<0.50	40.0	40.0	39.1	37.9	ug/L	EPA 8260B	3/1/08	97.7	94.8	3.03	70-130	25
Toluene	61276-09	<0.50	40.0	40.0	42.5	41.5	ug/L	EPA 8260B	3/1/08	106	104	2.41	70-130	25
Tert-Butanol	61276-09	<5.0	200	200	196	194	ug/L	EPA 8260B	3/1/08	97.8	97.0	0.754	70-130	25

Approved By:  Jeff Dahl

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Albany Hill Mini Mart**Project Number : **3934**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-Butyl Ether	61276-09	<0.50	40.0	40.0	35.6	35.2	ug/L	EPA 8260B	3/1/08	88.9	88.1	0.951	70-130	25
Benzene	61349-06	<0.50	40.0	40.0	41.4	40.9	ug/L	EPA 8260B	3/3/08	104	102	1.26	70-130	25
Toluene	61349-06	<0.50	40.0	40.0	39.9	39.1	ug/L	EPA 8260B	3/3/08	99.7	97.8	1.91	70-130	25
Tert-Butanol	61349-06	<5.0	200	200	192	191	ug/L	EPA 8260B	3/3/08	95.8	95.7	0.101	70-130	25
Methyl-t-Butyl Ether	61349-06	0.88	40.0	40.0	36.9	36.8	ug/L	EPA 8260B	3/3/08	90.2	89.9	0.250	70-130	25
Benzene	61310-01	<0.50	40.0	40.0	43.1	42.6	ug/L	EPA 8260B	2/29/08	108	106	1.29	70-130	25
Toluene	61310-01	<0.50	40.0	40.0	42.8	42.4	ug/L	EPA 8260B	2/29/08	107	106	1.11	70-130	25
Tert-Butanol	61310-01	<5.0	200	200	211	209	ug/L	EPA 8260B	2/29/08	106	105	0.774	70-130	25
Methyl-t-Butyl Ether	61310-01	5.0	40.0	40.0	50.6	49.0	ug/L	EPA 8260B	2/29/08	114	110	3.62	70-130	25

Approved By:  Jeff Dahl

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **Albany Hill Mini Mart**Project Number : **3934**

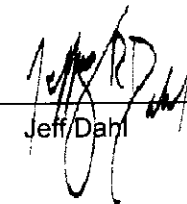
Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/1/08	98.7	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/08	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/08	93.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/08	92.6	70-130
Benzene	40.0	ug/L	EPA 8260B	2/29/08	102	70-130
Toluene	40.0	ug/L	EPA 8260B	2/29/08	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/29/08	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/29/08	104	70-130
Benzene	40.0	ug/L	EPA 8260B	2/29/08	96.4	70-130
Toluene	40.0	ug/L	EPA 8260B	2/29/08	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/29/08	97.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/29/08	87.5	70-130
Benzene	40.0	ug/L	EPA 8260B	3/1/08	98.4	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/08	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/08	99.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/08	90.4	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/08	99.4	70-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By:

Jeff Dahl



Report Number : 61281

Date : 3/5/2008

QC Report : Laboratory Control Sample (LCS)

Project Name : **Albany Hill Mini Mart**

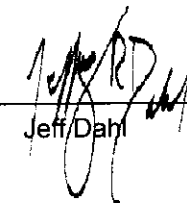
Project Number : **3934**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	3/3/08	97.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/08	93.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/08	88.7	70-130
Benzene	40.0	ug/L	EPA 8260B	2/29/08	104	70-130
Toluene	40.0	ug/L	EPA 8260B	2/29/08	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/29/08	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/29/08	108	70-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By:


Jeff Dahl

CHAIN OF CUSTODY

Aqua Science Engineers, Inc.
 55 Oak Court, Suite 220
 Danville, CA 94538
 phone: (925) 820-8391
 fax: (925) 837-4853

JOB # 3934

PAGE 1 OF 1

SAMPLER (SIGNATURE) *Paul Allen 8/26/08* DATE *8/26/08* PROJECT NAME: *Albany Hill Mini Mart*
 ADDRESS: *800 San Pablo Ave, Albany, CA*

ANALYSIS REQUEST

Special Instructions:

EDF

Sample ID	Date	Time	Matrix	No. of Samples	TPH-GAS/BTEX/MTBE (EPA 5030/8015-8020)	TPH-GAS/BTEX/5 OXYs (EPA 8260B)	TPH-GAS/BTEX/7 OXYs/HVOCs (EPA 8260B)	TPH-DIESEL (EPA 8015) with silica gel Cleanup	TPH-DIESEL & MOTOR OIL (8015) w/ silica gel cleanup	PURGEABLE HALOCARBONS (EPA 6011/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	HOLD		
MW-1	2-25-08	1232	W	5	X	X	X														61	
MW-2		1322			X	X	X															62
MW-3		1403			X	X	X															63
MW-4		1450			X	X	X															64
MW-5R		1152			X	X	X															65
MW-6		1342			X	X	X															66
MW-7		1218			X	X	X															67
MW-8		1207			X	X	X															68
MW-9		1505			X	X	X															69
MW-10		1428			X	X	X															70

SAMPLE RECEIPT
 Temp °C *5.0* Therm. ID # *121*
 Initial *JA* Date *072708*
 Time *1:20* Coolant present: *Yes/No*

RELINQUISHED BY:
Paul Allen 8/26/08
 (signature) (time)
Paul Allen 8/26/08
 (printed name) (date)
 Company: Aqua Science Engineers

RECEIVED BY:
 (signature) (time)
 (printed name) (date)
 Company:

RELINQUISHED BY:
 (signature) (time)
 (printed name) (date)
 Company:

RECEIVED BY LABORATORY:
Jason N Hernandez 1250
 (signature) (time)
Jason N Hernandez
 (printed name) (date) 072708
 Company: *Kitt Analytical*

COMMENTS: *VOAs provided w/HPLC*
EDF
 TURNAROUND TIME
 (STANDARD) 24HR 48HR 72HR