

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 Avenue

Albany, CA

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



**RECEIVED**

*By Alameda County Environmental Health at 11:42 am, Feb 03, 2015*



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

July 10, 2009

QUARTERLY GROUNDWATER MONITORING REPORT  
JUNE 2009 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 June 2009 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.



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## 2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On June 4, 2009, 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 general groundwater flow direction is to the east, southeast and north. The groundwater flow direction at the site varies significantly from quarter to quarter, and is likely being effected by the ozone-sparging taking place at the site. The water table dropped approximately 1.5-feet in the last quarter.

## 3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On June 4, 2009, 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 electrical conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Monitoring well MW-9 went dry prior to completion of the purging of three well casing volumes 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 in groundwater samples collected from monitoring well MW-1 were very similar to last quarter's historic low concentrations. The TPH-G concentration decreased to non-detectable for the first time, although there was a very slight increase in benzene, ethylbenzene and MTBE concentrations.



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- No TPH-G, TPH-D, BTEX or oxygenates were detected in groundwater samples collected from monitoring well MW-2. This is the third consecutive quarter that no hydrocarbons or oxygenates were detected in this well.
- No TPH-G, TPH-D, BTEX or oxygenates other than 4.0 parts per billion (ppb) MTBE were detected in groundwater samples collected from monitoring well MW-3 this quarter. This was the first time since May 2000 that MTBE concentrations were below the ESL.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-4 were very similar to last quarter's results, with slight increases in TPH-G, benzene and toluene concentrations and slight decreases in total xylenes and MTBE concentrations.
- There was a significant increase in TPH-G and BTEX concentrations in groundwater samples collected from monitoring well MW-5R this quarter from the non-detectable concentrations from last quarter. The MTBE concentration this quarter decreased very slightly from last quarter.
- There was a decrease in TPH-G concentrations in groundwater samples collected from monitoring well MW-6 this quarter and an increase in TBA and MTBE. All hydrocarbon and oxygenate concentrations other than TPH-G, TBA and MTBE are now below laboratory reporting limits.
- No hydrocarbons or oxygenate concentrations were detected in groundwater samples collected from monitoring wells MW-7 and MW-8 this quarter.
- Hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-9 increased slightly from last quarter's results.
- Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-10 decreased significantly from last quarter's results. All compounds in this well are at historic lows and non-detectable, except for TBA which is at a historic high of 34 ppb.

Concentrations exceeding Environmental Screening Levels<sup>1</sup> (ESLs):

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<sup>1</sup> 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 May 2008.



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- In MW-1, benzene and MTBE concentrations exceeded ESLs.
- In MW-2, no concentrations exceeded ESLs.
- In MW-3, no concentrations exceeded ESLs.
- In MW-4, TPH-G, benzene and MTBE concentrations exceeded ESLs.
- In MW-5R, TPH-G, benzene, ethylbenzene, and MTBE concentrations exceeded ESLs.
- In MW-6, TPH-G and MTBE concentrations exceeded ESLs.
- In MW-7, no concentrations exceeded ESLs.
- In MW-8, no concentrations exceeded ESLs.
- In MW-9, TPH-G, benzene, ethylbenzene, and xylene concentrations exceeded ESLs.
- In MW-10, the TBA concentration exceeded the ESL.

## 5.0 RECOMMENDATIONS

ASE recommends continued groundwater monitoring on a quarterly basis. The next groundwater sampling is scheduled for September 2009. The ozone-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.



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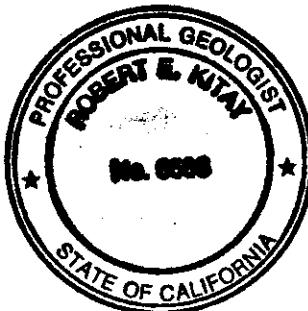
Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in black ink that reads "Robert E. Kitay".

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  
RWQCB via Geotracker

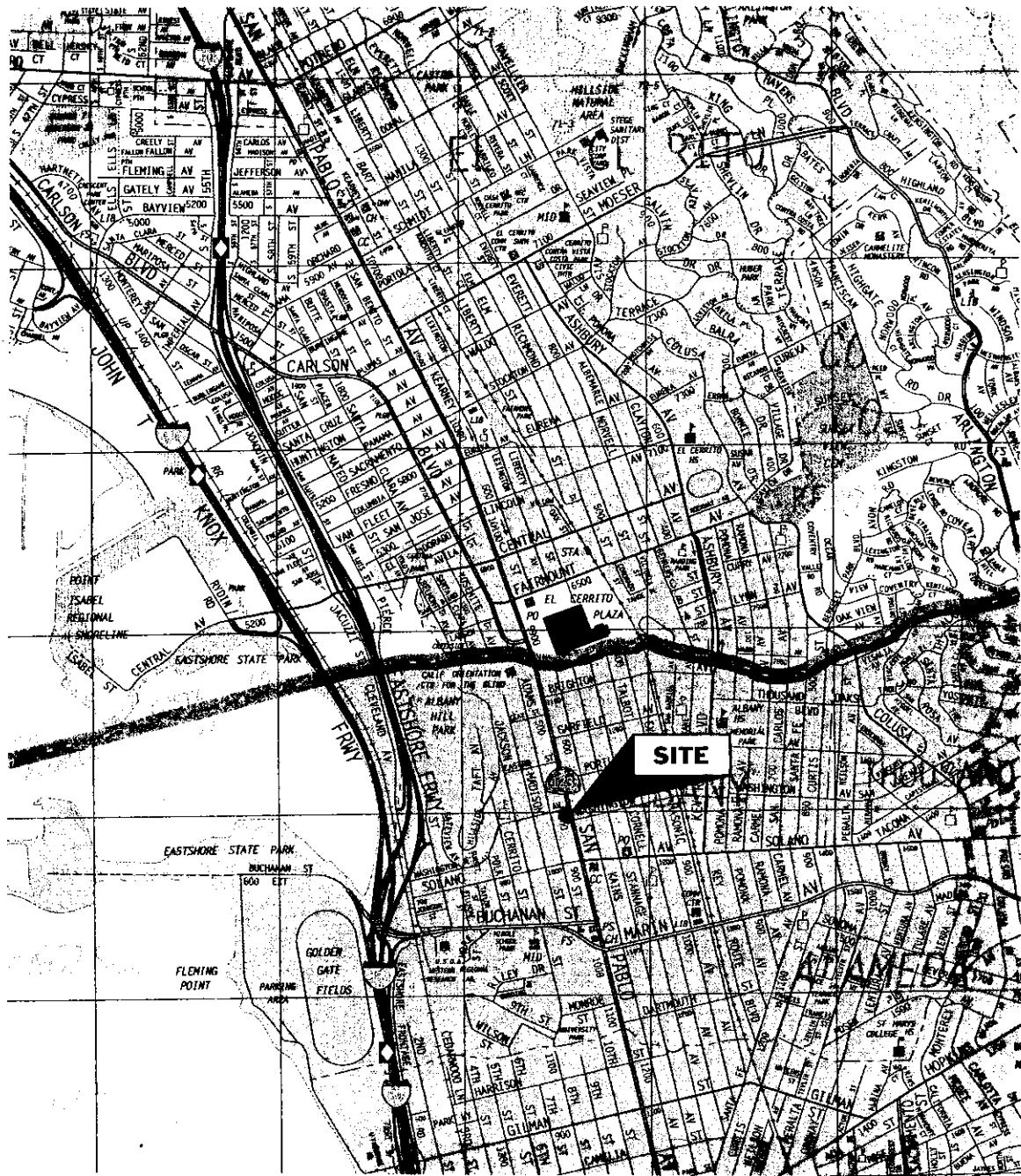


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## **FIGURES**



NORTH



## SITE LOCATION MAP

ALBANY HILL MINI MART  
800 SAN PABLO AVENUE  
ALBANY, CALIFORNIA

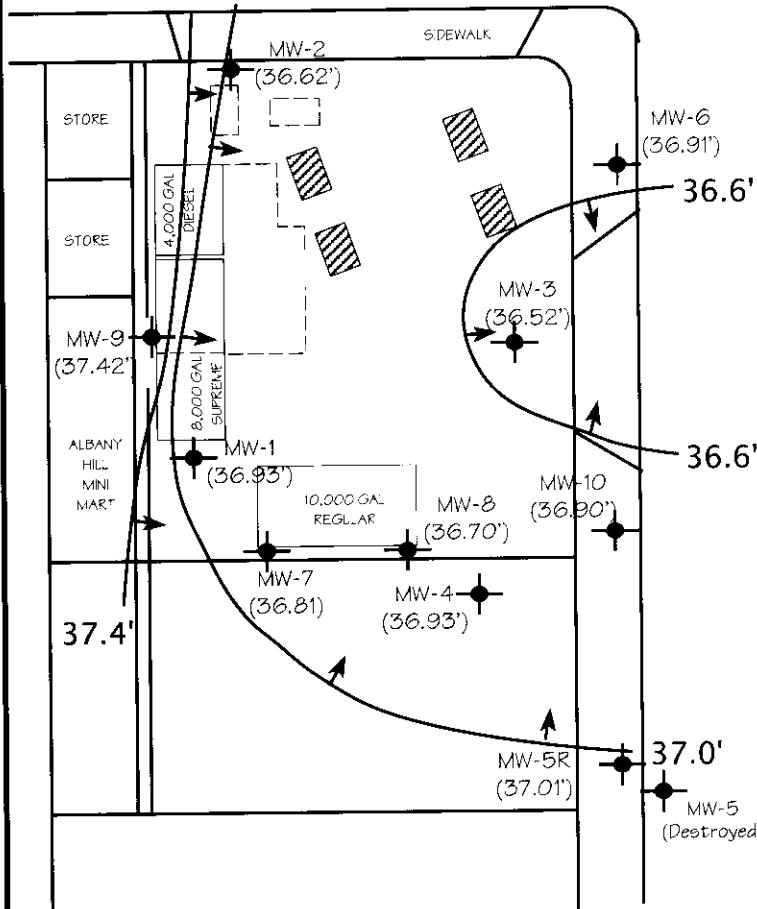


NORTH

SCALE: 1" = 20'

WASHINGTON AVENUE

37.4' 37.0'



SAN PABLO AVENUE

#### LEGEND

MW-9  
(37.42')

MONITORING WELL  
WITH GROUNDWATER ELEVATION IN FEET

GROUNDWATER ELEVATION CONTOUR LINE  
WITH FLOW DIRECTION

APPROXIMATE FORMER UST LOCATION  
AND AREA OF EXCAVATION

POTENTIOMETRIC  
SURFACE CONTOUR MAP  
JUNE 4, 2009

ALBANY HILL MINI MART  
800 SAN PABLO AVENUE  
ALBANY, CALIFORNIA

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Figure 2



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
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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	1.95	99.73
	1/5/99		2.72	88.96
	2/7/00		0.34	91.34
	5/5/00		0.59	91.09
	8/3/00		1.75	89.93
	1/16/00		1.67	90.01
	2/8/01		1.20	90.48
	6/7/01		11.35	90.33
	9/7/01		1.7	89.97
	12/13/01		10.67	91.01
	6/13/02		1.42	90.26
	9/11/02		12.42	89.26
	2/4/03	46.42	10.69	35.73
	9/10/04		3.85	32.59
	1/27/04		12.18	34.24
	4/8/05		9.92	36.50
	6/20/05		10.64	35.78
	10/7/05		12.42	34.00
	12/7/05		1.51	34.91
	3/6/06	46.82	9.35	39.47
	6/27/06		10.07	38.75
	8/24/06		12.07	36.80
	11/20/06		12.02	36.80
	2/5/07		1.68	37.14
	5/7/07		10.9	37.9
	8/3/07		12.34	36.48
	12/5/07		12.68	36.14
	2/25/08		9.68	39.14
	5/20/08		12.17	36.65
	8/22/08		13.06	35.76
	12/10/08		13.17	35.65
	3/20/09		0.09	38.73
	6/4/09		11.89	36.93
MW-2	8/6/99	101.57	10.83	90.74
	1/5/99		1.66	89.91
	2/7/00		9.23	92.34
	5/5/00		9.54	92.03
	8/3/00		10.69	90.88
	11/6/00		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		1.78	33.53
	12/7/04		11.13	34.18
	4/18/05		8.7	36.60
	6/20/05		9.60	35.71
	10/7/05		11.39	33.92
	12/7/05		11.49	33.82
	3/6/06	47.71	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
	12/15/07		11.95	35.73
	2/25/08		8.93	38.78
	5/20/08		1.78	35.93
	8/22/08		12.21	35.50
	12/10/08		11.35	36.36
	3/20/09		9.26	38.45
	6/4/09		11.09	36.62

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

Well ID	Date of Measurement	Top of Caske Elevation' (feet)	Depth to Water' (feet)	Groundwater Elevation' (feet)
<b>MW-3</b>	8/6/99	100.35	10.58	89.75
	11/5/99		11.32	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		10.3'	90.02
	12/13/01		9.38	90.95
	6/3/02		10.03	90.30
	9/11/02		11.02	89.31
	2/14/03	45.08	9.40	35.68
	9/10/04		12.5'	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		11.1'	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
	1/20/06		10.52	36.97
	2/5/07		10.4'	37.98
	5/7/07		9.57	37.92
	8/3/07		11.06	36.43
	12/5/07		11.26	36.23
	2/25/08		8.38	39.16
	5/20/08		10.83	36.66
	8/22/08		11.74	35.75
	12/10/08		11.93	35.56
	3/20/09		8.46	39.93
	<b>6/4/09</b>		<b>10.97</b>	<b>36.52</b>
<b>MW-4</b>	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	47.6'	8.19	39.42
	6/27/06		9.71	37.90
	8/24/06		10.43	37.18
	1/20/06		10.70	36.91
	2/5/07		10.60	37.01
	5/7/07		9.52	38.09
	8/3/07		11.33	36.25
	12/5/07		11.37	36.24
	2/25/08		8.75	38.86
	5/20/08		11.07	36.54
	8/22/08		11.82	35.79
	12/10/08		12.05	35.56
	3/20/09		9.05	38.56
	<b>6/4/09</b>		<b>10.68</b>	<b>36.93</b>

**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)
<b>MW-5</b>	6/13/02	98.37	8.88	89.49
	9/11/02		9.95	88.42
	2/14/03	44.2	8.66	35.46
	3/10/04		10.26	33.86
	12/17/04		10.79	33.33
	4/18/05	Well Destroyed by City During Street Construction		
<b>MW-5R</b>	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		10.2*	37.5
	5/7/07		9.2*	38.15
	8/3/07		10.60	36.76
	12/5/07		10.97	36.39
	2/25/08		8.64	36.72
	5/20/08		10.18	37.18
	8/22/08		10.08	36.28
	12/10/08		1.32	36.04
	3/20/09		8.46	38.90
	<b>6/4/09</b>		<b>10.35</b>	<b>37.01</b>
<b>MW-6</b>	6/13/02	99.36	8.85	90.51
	9/11/02		9.82	89.54
	2/14/03	43.88	8.2*	35.67
	9/10/04		10.33	33.55
	12/17/04		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		9.36	36.31
	12/5/07		10.02	36.25
	2/25/08		6.77	39.50
	5/20/08		9.49	36.78
	8/22/08		10.49	35.78
	12/10/08		10.62	35.65
	3/20/09		7.65	38.62
	<b>6/4/09</b>		<b>9.36</b>	<b>36.91</b>
<b>MW-7</b>	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		rot sampled	---
	3/6/06	48.36	8.92	39.44
	6/27/06		10.4*	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	---
	5/20/08		11.70	36.66
	8/22/08		12.66	35.70
	12/10/08		12.80	35.56
	3/20/09		Bubbling	---
	<b>6/4/09</b>		<b>11.55</b>	<b>36.81</b>

**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		1.53	89.0
	2/7/03	45.59	9.98	35.61
	9/10/04		11.98	33.61
	12/7/04		1.42	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		1.69	33.90
	3/6/06	47.99	8.58	39.41
	6/27/06		9.06	37.93
	8/24/06		0.77	37.22
	1/20/07		1.12	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		1.80	36.19
	2/25/08		8.82	33.17
	5/20/08		11.38	36.61
	8/22/08		2.26	35.73
	12/10/08		12.49	35.50
	3/20/09		9.19	38.80
	<b>6/4/09</b>		<b>11.29</b>	<b>36.70</b>
MW-9	2/14/03	46.86	10.84	36.02
	9/10/04		2.97	33.89
	12/7/04		2.84	34.02
	4/18/05		9.75	37.11
	6/20/05		10.83	36.03
	10/7/05		2.59	34.27
	12/7/05		2.56	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
	1/20/07		12.42	36.82
	2/5/07		11.95	37.29
	5/7/07		1.20	38.04
	8/3/07		12.67	36.57
	12/5/07		12.96	36.28
	2/25/08		0.71	38.53
	5/20/08		12.15	37.09
	8/22/08		13.15	36.06
	12/10/08		13.32	35.92
	3/20/09		1.39	37.85
	<b>6/4/09</b>		<b>11.82</b>	<b>37.42</b>
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	37.5
	11/20/06		0.30	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	38.87
	5/20/08		10.58	36.32
	8/22/08		1.48	35.42
	12/10/08		1.68	35.22
	3/20/09		8.83	38.07
	<b>6/4/09</b>		<b>10.00</b>	<b>36.90</b>

**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 1, 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	TPr Gasoline	TPH Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
MW-1	8/6/99	1,500	1,200	4.3	2.9	3.1	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	--	--	1.5	--
	8/3/00	1,200	270*	190	43.0	41	160	--	--	360	--
	11/8/00	4,200	230*	990	200.0	'30	560	--	--	840**	--
	2/8/01	2,800	380*	630	130.0	51	250	--	--	390	--
	6/7/01	650	190	97	13.0	20	82	--	--	320	--
	9/7/01	970	400	260	7.0	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	--
	11/1/02	824	<50	216	<5	22	20	--	--	290	--
	2/14/03	1,783	590*	546	5.0	90	52	--	--	32*	--
	9/10/04	900	82	210	8.4	52	23	<0.5	5.1	220	<0.5
	12/7/04	540	<80	180	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	0.53-1.00A
	6/20/05	2,500	<300	740	'2.0	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	1.0	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	6.8	170	16	<2.0	<9.0	250	<2.0
	11/20/06	630	<50	170	'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	9.5	46	<0.50	<5.0	100	<0.50
	2/25/08	1,000	'00	340	'1	14	23	<0.50	1.	170	<0.50
	5/20/08	740	<50	220	3.2	7.5	6.9	<0.50	23	170	0.68 DPE
	8/22/08	190	<50	52	1.2	7.3	4.6	<0.50	11	160	0.60 DPE
	12/1/08	98	<50	18	<0.50	3.2	0.89	<0.50	<5.0	74	<0.50
	3/20/09	6'	<50	1.8	<0.50	<0.50	<0.50	<0.50	<5.0	65	<0.50
	6/4/09	<50	<50	5.6	<0.50	0.63	<0.50	<0.50	<5.0	71	<0.50
MW-2	8/6/99	ND	340	ND	ND	ND	ND	--	--	ND	--
	11/5/99	ND	420	ND	ND	0.1	--	--	--	ND	--
	2/7/00	ND	310	ND	ND	0.6	--	--	--	ND	--
	5/7/00	ND	280	ND	ND	<1	--	--	--	ND	--
	8/3/00	460	70*	79	3.0	43	8	--	--	3,300	--
	11/8/00	200	120	57	2.0	12	8	--	--	3,000	--
	2/8/01	290	80	50	1.0	0.6	4	--	--	3,000	--
	6/7/01	210	80	16	0.6	3	5	--	--	2,000	--
	9/7/01	230	ND	51	ND	8	8	--	--	2,400	--
	12/13/01	172	ND	53	12	7.7	5.4	--	--	1,780	--
	6/13/02	86	<50	6	6.7	11	4.5	--	--	1,830	--
	11/11/02	1,040	<50	5	1.0	<1	5	--	--	1,250	--
	2/4/03	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	'30	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	<0.90	5.2	540
	10/7/05	<90	150	11	<0.90	<0.90	<0.90	<0.90	<0.90	360	<0.90
	12/7/05	<90	110	15	<0.30	<0.90	<0.90	<0.90	<0.90	500	<0.90
	3/6/06	<90	88	7.0	<0.90	<0.90	<0.90	<0.50	5.2	810	<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	9.9	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
	5/20/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	0.71	<0.50
	8/22/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	0.71	<0.50
	12/10/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	0.50	<0.50
	3/20/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	0.50	<0.50
	6/4/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<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	o-XME	TBA	MIBGE	Other VOCs
MW-3	8/6/99	ND	<2	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	--	--	1,000**	--
	11/8/00	990	200	320	0.6	18	9	--	--	8,000	--
	2/8/01	990	110	180	21.0	7	24	--	--	5,200**	--
	6/7/01	370	140	62	4.0	5	13	--	--	6,600**	--
	9/7/01	460	ND	87	1.0	11	25	--	--	9,400**	--
	12/13/01	25*	ND	56.8	0.9	2.6	8.4	--	--	6,610	--
	6/13/02	3,630	<50	4*	60.0	41	187	--	--	8,820**	--
	11/11/02	6,210	<50	50	<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	2*	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
	10/17/05	630	160	140	<0.0	1*	34	9.2	<20	2,000	<4.0
	12/7/05	550	200	128	6.4	7.2	10	1*	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	1,400	<1,500	2,800	12	190	56	9.8	10	760	<4.0
	8/24/06	<400	120	24	<4.0	<4.0	4*	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	1,00	<2.0
	8/3/07	500	<50	190	1.2	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
	5/20/08	<50	<50	2.5	<0.50	<0.50	<0.50	<0.50	6.7	200	0.54 DIPE
	8/22/08	<50	<50	1.5	<0.50	<0.50	<0.50	0.84	6.9	380	<0.50
	12/1/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	7.2	<0.50
	3/20/09	<50	<50	0.6*	<0.50	<0.50	<0.50	<0.50	7.7	14	<0.50
	6/4/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	<0.50	
MW-4	6/13/02	4,460	1,500*	425	409.0	115	730	--	--	32	--
	1/11/02	5,50	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	1,800	27.0	420	900	<1.5	15	18	<1.5
	6/20/05	6,100	<600	830	19.0	280	400	<1.5	7	22	<1.5
	10/7/05	3,200	<600	660	8.7	10	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	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	4.5	37	29	<1.5	<15	14	<1.5
	2/5/07	2,700	<80	970	4.4	53	62	<1.5	<2	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	34	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
	5/20/08	560	<50	130	3.6	5.7	14	<0.50	2*	34	0.85 DIPE
	8/22/08	10	<50	7.3	<0.50	<0.50	0.79	<0.50	12	28	1.0 DIPE
	12/10/08	190	<50	38	0.53	2.7	1.8	<0.50	6.6	20	0.76 DIPE
	3/20/09	86	<50	8.7	<0.50	1.1	3.6	<0.50	<5.0	14	0.73 DIPE
	6/4/09	160	<50	28	<0.50	1.5	1.9	<0.50	<5.0	12	0.72 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	TPF Gasoline	TPH Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	MtBE	Other VOCs
Improperly Destroyed by City of Albany During Street Improvements											
MW-5	6/13/02	536	<50	8.4	0.6	22	23	--	--	11	--
	1/11/02	3,270	1,230*	<1	<1	28	8	--	--	<1	--
	2/14/03	1,260	610*	9	7.0	22	5	--	--	<1	--
	9/1/04	1,300	150	2.4	<0.50	0.71	<0.50	<0.50	<5.0	<0.50	<0.50
	12/7/04	1,000	<200	4*	<0.50	1.4	<0.50	<0.50	<5.0	<0.50	<0.50
	4/18/05										
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
	12/6/07	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
	5/20/08	220	<50	2.4	<0.50	<0.50	<0.50	<0.50	<5.0	37	<0.50
	8/22/08	91	<50	<0.50	<0.50	<0.50	<0.50	0.57	<5.0	100	<0.50
	12/10/08	140	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	41	<0.50
	3/20/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	8.8	<0.50
	6/4/09	4,300	<800	35	2.2	130	5.7	<0.50	<5.0	6.9	<0.50
MW-6	6/13/02	2,980	1,460*	31	2.3	3.8	12	--	--	310	--
	11/1/02	3,570	1,210*	356	5	<5	<15	--	--	95	--
	2/14/03	3,770	1,620*	429	12	7	10	--	--	122	--
	9/10/04	<1,000	380	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	580	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	360	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	15	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	<60	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	25	54	<0.50
	2/25/08	1,400	<500	16	0.73	<0.50	9.6	<0.50	19	77	<0.50
	5/20/08	1,600	<200	42	2.0	<0.50	1.1	0.72	59	58	<0.50
	8/22/08	520	<300	3.2	<0.50	<0.50	<0.50	0.62	47	70	<0.50
	12/10/08	1,000	<6,000	0.53	<0.50	<0.50	<0.50	<0.50	24	21	<0.50
	3/20/09	700	<500	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.9	<0.50
	6/4/09	160	<1,500	<0.50	<0.50	<0.50	<0.50	<0.50	10	18	<0.50
MW-7	6/13/02	24,100	1,570*	2,310	657	945	5,430	--	--	951	--
	11/1/02	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	--
	9/1/04	4,800	<300	640	16	250	490	<1.5	3*	530	<1.5
	12/7/04	990	<300	140	3.4	49	70	4.0	<2.0	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	8.0	310	<0.50
	12/7/05										
	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 DIP
	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
	5/20/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	1.3	<0.50
	8/22/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<0.50
	12/10/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<0.50
	3/20/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<0.50
	6/4/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<0.50	<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	o-XME	TBA	MTBE	Other VOCs
MW-8	6/13/02	20,000	7,760*	2,200	140	1,050	4,090	--	--	12,000	--
	11/11/02	5,010	2,010*	181	<1	5	<3	--	--	16,600	--
	2/14/03	1,980	<50	607	6	113	40	--	--	1,500	--
	9/10/04	<2,000	200	110	<20	26	49	25	<200	8,600	<20
	2/7/04	2,000	780	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	90	<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
	2/7/05	1,400	300	250	8.7	41	90	18	<40	4,400	<b>&lt;7.0</b>
	3/6/06							Not sampled, unacceptable			
	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	70	0.61	2.1	5.4	0.57	460	10	<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	92	3.9	36	310	15	210	370	<0.50
	2/25/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	130	<0.50
	5/20/08	<50	<50	<0.50	<0.50	<0.50	15	<0.50	<5.0	6.1	<0.50
	8/22/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
	12/10/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
	3/20/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
	6/4/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-9	6/27/02	19,000	--	1,430	1,750	501	5,410	--	--	<0.5	--
	11/11/02	19,000	3,200*	3,390	4,540	1,020	9,090	--	--	549	--
	2/4/03	21,300	8,200*	1,700	2,200	701	4,970	--	--	<1	--
	9/10/04	12,000	<1,500	890	31	280	2,000	<5.0	<50	<5.0	<5.0
	12/7/04	13,000	<1,500	950	580	480	2,900	<5.0	<50	<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	<5.0	<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	130	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	230	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	<0.50	<0.50
	5/20/08	3,000	<200	320	39	170	390	<0.50	<5.0	0.5*	<0.50
	8/22/08	3,700	<600	220	68	190	610	<0.50	<5.0	0.72	<0.50
	12/10/08	4,100	<300	240	80	250	840	<0.50	<5.0	<0.50	<0.50
	3/20/09	1,800	<200	70	22	81	250	<0.50	<5.0	<0.50	<0.50
	6/4/09	2,600	<200	260	35	110	410	<0.50	<5.0	<0.50	<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	M <sup>+</sup> BE	Other VOCs
<b>MW-10</b>	10/7/05	470	330	17	<0.50	2	11	1.2	9.4	210	<0.50
	12/7/05										
	3/6/06	130	130	4.2	<0.50	<0.50	<0.50	4.9	13	820	0.55 (DIPEN)
	6/27/06	<400	140	4.4	<0.50	<0.50	<0.50	8.9	21	1,300	0.60 (DIPEN)
	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	70	<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	4.0	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
	5/20/08	3,400	<500	23	1.2	120	5.9	<0.50	<5.0	<0.50	<0.50
	8/22/08	1,900	<500	22	0.99	3.8	2.1	<0.50	5.1	<0.50	<0.50
	12/10/08	3,500	<500	40	2.0	190	7.8	<0.50	<5.0	<0.50	<0.50
	3/20/09	4,100	<600	40	1.7	150	5.8	<0.50	5.9	<0.50	<0.50
	6/4/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	34	<0.50	<0.50
<b>ESL</b>		100	100	1.0	40	30	20	NE	12	5.0	Varies

**Notes:**

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

\* Does not match diese 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 the compound.



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## **APPENDIX A**

### **Well Sampling Field Logs**

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albany H. 11  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-01  
 WELL ID. MW-1 SAMPLER RK  
 TOTAL DEPTH OF WELL 24.2 WELL DIAMETER 2  
 DEPTH TO WATER PRIOR TO PURGING 11.89  
 PRODUCT THICKNESS 0  
 DEPTH OF WELL CASING IN WATER 12.31  
 NUMBER OF GALLONS PER WELL CASING VOLUME 2.10  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.3  
 EQUIPMENT USED TO PURGE WELL Disposable bailer  
 TIME EVACUATION STARTED 11:25 TIME EVACUATION COMPLETED 11:40  
 TIME SAMPLES WERE COLLECTED 11:40  
 DID WELL GO DRY No AFTER HOW MANY GALLONS —  
 VOLUME OF GROUNDWATER PURGED 6.3 gal.  
 AMPLING DEVICE Disposable bailer  
 SAMPLE COLOR None ODOR/SEDIMENT slight hc / slight silt

### HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	COND CONDUCTIVITY
1	64.6	6.87	1179
2	64.6	6.86	1167
3	64.7	6.87	1164

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40-ml vfa	TPH-C/BTEX/CxS TPH-D	HC/

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	Albany Hill		
JOB NUMBER	3934	DATE OF SAMPLING	6-9-09
WELL ID.	MW-2	SAMPLER	PK
TOTAL DEPTH OF WELL	<del>478</del> 24.8	WELL DIAMETER	~
DEPTH TO WATER PRIOR TO PURGING	11.09		
PRODUCT THICKNESS	0		
DEPTH OF WELL CASING IN WATER	13.71		
NUMBER OF GALLONS PER WELL CASING VOLUME	2.3		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	6.9		
EQUIPMENT USED TO PURGE WELL	Disposable bucket		
TIME EVACUATION STARTED	1155	TIME EVACUATION COMPLETED	1210
TIME SAMPLES WERE COLLECTED	1210		
ID WELL GO DRY	No	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	6.9 gal		
AMPLING DEVICE	Disposable bucket		
AMPLE COLOR	None	ODOR/SEDIMENT	None / None

### HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	CONDUCTIVITY
1	66.0	7.78	567 uS
2	66.0	7.50	570
3	66.0	7.49	570

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5	40-mL vials	THI-G/BTEX/ oxy/THI-D	HCl

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	Albany Hill		
JOB NUMBER	3934	DATE OF SAMPLING	6-4-09
WELL ID.	MW-3	SAMPLER	HC
TOTAL DEPTH OF WELL	23.8	WELL DIAMETER	~"
DEPTH TO WATER PRIOR TO PURGING	10.97		
PRODUCT THICKNESS	5		
DEPTH OF WELL CASING IN WATER	12.83		
NUMBER OF GALLONS PER WELL CASING VOLUME	2.19		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	6.57		
EQUIPMENT USED TO PURGE WELL	Disposable bottle		
TIME EVACUATION STARTED	1221	TIME EVACUATION COMPLETED	1234
TIME SAMPLES WERE COLLECTED	1240		
ID WELL GO DRY	No	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	6.6 gal		
SAMPLING DEVICE	Disposable bottle		
SAMPLE COLOR	No color	ODOR/SEDIMENT	None / slight oil

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	EC CONDUCTIVITY
1	67.4	6.86	765
2	67.4	6.86	748
3	67.4	6.86	747

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40-mL vial	TPH-L/BTEX/ oxy/TPH-D	HC

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME

Albany Hill

JOB NUMBER

3934

DATE OF SAMPLING 6-4-09

WELL ID.

MW-4

SAMPLER MK

TOTAL DEPTH OF WELL

24.5

WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING

10.68

PRODUCT THICKNESS

0

DEPTH OF WELL CASING IN WATER

13.82

NUMBER OF GALLONS PER WELL CASING VOLUME

2.35

NUMBER OF WELL CASING VOLUMES TO BE REMOVED

3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING

7.0

EQUIPMENT USED TO PURGE WELL

Disposable bailer

TIME EVACUATION STARTED

1525

TIME EVACUATION COMPLETED

15:40

TIME SAMPLES WERE COLLECTED

1540

WELL DRY

No

AFTER HOW MANY GALLONS

—

VOLUME OF GROUNDWATER PURGED

7 gal

SAMPLING DEVICE

Disposable bails

AMPLE COLOR

None

ODOR/SEDIMENT Slight hc odor / small amount of yellow-brown silt

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	CONDUCTIVITY
1	65.0	6.90	1800
2	64.5	6.87	2112
3	64.5	6.86	2111

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	5	40-ml vials	TPH-G/DBP/	14-1
			Oxy/TPH-D	

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-07  
 WELL ID. MW-5R SAMPLER RH  
 TOTAL DEPTH OF WELL 19.58 WELL DIAMETER 2"  
 DEPTH TO WATER PRIOR TO PURGING 10.35  
 PRODUCT THICKNESS 0  
 DEPTH OF WELL CASING IN WATER 9.23  
 NUMBER OF GALLONS PER WELL CASING VOLUME 1.6  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 4.68<sup>4</sup> 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.68  
 EQUIPMENT USED TO PURGE WELL Disposable bath  
 TIME EVACUATION STARTED 1415 TIME EVACUATION COMPLETED 1430  
 TIME SAMPLES WERE COLLECTED 1430  
 DID WELL GO DRY No AFTER HOW MANY GALLONS —  
 VOLUME OF GROUNDWATER PURGED 4.7 gal  
 SAMPLING DEVICE Disposable bath  
 AMPL COLOR None ODOR/SEDIMENT slight be odor / small amount  
of yellow brown  
silt  
HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	EC CONDUCTIVITY
1	66.5	6.75	792
2	66.5	6.76	780
3	66.5	6.76	780

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-5R</u>	<u>5</u>	<u>40-mL vial</u>	<u>TPH C/TEX/ HCl</u> <u>Cxg/TTH-D</u>	

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albany H:11  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-09  
 WELL ID. MW-6 SAMPLER RK  
 TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2"  
 DEPTH TO WATER PRIOR TO PURGING 9.36  
 PRODUCT THICKNESS 8  
 DEPTH OF WELL CASING IN WATER 15.34  
 NUMBER OF GALLONS PER WELL CASING VOLUME 2.6  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7.8  
 EQUIPMENT USED TO PURGE WELL Disposable bblr  
 TIME EVACUATION STARTED 1305 TIME EVACUATION COMPLETED 1325  
 TIME SAMPLES WERE COLLECTED 1330  
 DID WELL GO DRY No AFTER HOW MANY GALLONS —  
 VOLUME OF GROUNDWATER PURGED 7.8 gal  
 SAMPLING DEVICE Disposable bblr  
 AMPLER COLOR turbid brown ODOR/SEDIMENT None / significant amount of brown silt  
HEMICAL DATA

VOLUME PURGED	TEMPERATURE (°C)	pH	CONDUCTIVITY
1	67.0	6.95	1026
2	67.1	6.87	1027
3	67.1	6.87	1027

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	5	40-ml vfa	TPH-C/BTEX / Oxy / TPH-D	HCL

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albion Hill  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-09  
 WELL ID. MJ-7 SAMPLER KK  
 TOTAL DEPTH OF WELL 24.7 WELL DIAMETER ~"  
 DEPTH TO WATER PRIOR TO PURGING 11-55  
 PRODUCT THICKNESS 05  
 DEPTH OF WELL CASING IN WATER 13-15  
 NUMBER OF GALLONS PER WELL CASING VOLUME 2.2  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.6  
 EQUIPMENT USED TO PURGE WELL Disposable bailer  
 TIME EVACUATION STARTED 16:35 TIME EVACUATION COMPLETED 16:50  
 TIME SAMPLES WERE COLLECTED 16:55  
 DID WELL GO DRY No AFTER HOW MANY GALLONS —  
 VOLUME OF GROUNDWATER PURGED 6.6 gal  
 AMPLING DEVICE Disposable bailer  
 AMPLE COLOR None ODOR/SEDIMENT None / None

### HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	CONDUTIVITY
1	64.2	7.84	963
2	63.8	7.84	970
3	63.8	7.85	971

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MJ-7	5	40-ml VOA	TPH-G/BTEX/ oxy/TPH-D	HCl

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-09  
 WELL ID. MW-8 SAMPLER PK  
 TOTAL DEPTH OF WELL 19.1 WELL DIAMETER 2"  
 DEPTH TO WATER PRIOR TO PURGING 11.29  
 PRODUCT THICKNESS 0  
 DEPTH OF WELL CASING IN WATER 7.81  
 NUMBER OF GALLONS PER WELL CASING VOLUME 1.3  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3.9  
 EQUIPMENT USED TO PURGE WELL Disposable baster  
 TIME EVACUATION STARTED 16:00 TIME EVACUATION COMPLETED 16:10  
 TIME SAMPLES WERE COLLECTED 16:15  
 DID WELL GO DRY NO AFTER HOW MANY GALLONS ✓  
 VOLUME OF GROUNDWATER PURGED 3.9 gal  
 AMPLING DEVICE Disposable baster  
 AMPLE COLOR turbid yellow-brown ODOR/SEDIMENT slight sulphur odor / yellow-brown  
51H

### HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	CONDUCTIVITY
1	64.5	8.10	879
2	64.4	8.00	877
3	64.4	7.99	877

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-8</u>	<u>5</u>	<u>40-mL VOA</u>	<u>TPH-G/BTEX)</u>	<u>HCl</u>
			<u>Oxy/TPH-D</u>	

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill  
 JOB NUMBER 3934 DATE OF SAMPLING 6-4-09  
 WELL ID. MW-9 SAMPLER RK  
 TOTAL DEPTH OF WELL 16.8 WELL DIAMETER 2"  
 DEPTH TO WATER PRIOR TO PURGING 11.82  
 PRODUCT THICKNESS 0  
 DEPTH OF WELL CASING IN WATER 4.98  
 NUMBER OF GALLONS PER WELL CASING VOLUME 0.85  
 NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3  
 REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 2.55  
 EQUIPMENT USED TO PURGE WELL Disposable bairn  
 TIME EVACUATION STARTED 11:10 TIME EVACUATION COMPLETED 11:20  
 TIME SAMPLES WERE COLLECTED 1405  
 DID WELL GO DRY Yes AFTER HOW MANY GALLONS 1  
 VOLUME OF GROUNDWATER PURGED 1  
 SAMPLING DEVICE Disposable bairn  
 SAMPLE COLOR turbid gray ODOR/SEDIMENT slight huf mod amount of gray silt  
HEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	EC CONDUCTIVITY
1	65.6	7.10	829

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-9</u>	<u>5</u>	<u>40-ml VOA</u>	<u>TPH-L/BTEX/ oxy/TPH-D</u>	<u>HCl</u>

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	Albany Hill		
JOB NUMBER	3934	DATE OF SAMPLING	6-8-09
WELL ID.	MW-10	SAMPLER	KK
TOTAL DEPTH OF WELL	24.7	WELL DIAMETER	2"
DEPTH TO WATER PRIOR TO PURGING	10.00		
PRODUCT THICKNESS	0		
DEPTH OF WELL CASING IN WATER	14.7		
NUMBER OF GALLONS PER WELL CASING VOLUME	2.5		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	7.5 gal		
EQUIPMENT USED TO PURGE WELL	Disposable bailer		
TIME EVACUATION STARTED	13:40	TIME EVACUATION COMPLETED	13:55
TIME SAMPLES WERE COLLECTED	13:55		
WID WELL GO DRY	No	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	7.5 gal		
SAMPLING DEVICE	Disposable bailer		
SAMPLE COLOR	None	ODOR/SEDIMENT Non / small amount of silt	

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	pH	CONDUCTIVITY
1	66.7	6.89	1061
2	66.8	6.86	1069
3	66.8	6.86	1076

### AMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-10	5	40-ml VOA	TPH-C/BTEX/ OXY/TPH-D	HCl
—	—	—	—	—



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

## **APPENDIX B**

Certified Analytical Report  
and  
Chain of Custody Documentation



Report Number : 68800

Date : 06/11/2009

Robert Kitay  
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. Kitay,

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 that reads "Joel Kiff".

Joel Kiff



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-1

Matrix : Water

Lab Number : 68800-01

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.5	0.50	ug/L	EPA 8260B	06/10/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Ethylbenzene	0.63	0.50	ug/L	EPA 8260B	06/10/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Methyl-t-butyl ether (MTBE)	71	0.50	ug/L	EPA 8260B	06/10/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/10/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/10/2009
1,2-Dichloroethane-d4 (Surr)	97.3		% Recovery	EPA 8260B	06/10/2009
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	06/10/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/09/2009
Octacosane (Silica Gel Surr)	99.6		% Recovery	M EPA 8015	06/09/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-2

Matrix : Water

Lab Number : 68800-02

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/09/2009
Octacosane (Silica Gel Surr)	100		% Recovery	M EPA 8015	06/09/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-3

Matrix : Water

Lab Number : 68800-03

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	4.0	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/09/2009
Octacosane (Silica Gel Surr)	101		% Recovery	M EPA 8015	06/09/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-4

Matrix : Water

Lab Number : 68800-04

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	28	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	1.5	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	1.9	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	12	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	0.72	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	160	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/09/2009
Octacosane (Silica Gel Surr)	99.9		% Recovery	M EPA 8015	06/09/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-5R

Matrix : Water

Lab Number : 68800-05

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	35	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	2.2	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	130	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	5.7	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	6.9	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	4300	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	96.5		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 800	800	ug/L	M EPA 8015	06/09/2009
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	100		% Recovery	M EPA 8015	06/09/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-6

Matrix : Water

Lab Number : 68800-06

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	18	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	10	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	160	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	97.6		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 1500	1500	ug/L	M EPA 8015	06/10/2009
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	99.9		% Recovery	M EPA 8015	06/10/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-7

Matrix : Water

Lab Number : 68800-07

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/10/2009
Octacosane (Silica Gel Surr)	108		% Recovery	M EPA 8015	06/10/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-8

Matrix : Water

Lab Number : 68800-08

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	95.5		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	111		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/10/2009
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	06/10/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-9

Matrix : Water

Lab Number : 68800-09

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	260	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	35	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	110	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	410	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	2600	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 200	200	ug/L	M EPA 8015	06/10/2009
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	06/10/2009



Report Number : 68800

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Sample : MW-10

Matrix : Water

Lab Number : 68800-10

Sample Date : 06/04/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Methyl-t-butyl ether (MTBE)	34	0.50	ug/L	EPA 8260B	06/09/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	06/09/2009
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	06/09/2009
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/10/2009
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	06/10/2009

Report Number : 68800

Date : 06/11/2009

**QC Report : Method Blank Data****Project Name : Albany Hill Mini Mart****Project Number : 3934**

Parameter	Method				Analysis Method	Date Analyzed
	Measured Value	Reporting Limit	Units			
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/09/2009	
Octacosane (Silica Gel Surr)	102		%	M EPA 8015	06/09/2009	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009	
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009	
1,2-Dichloroethane-d4 (Surr)	95.1		%	EPA 8260B	06/09/2009	
Toluene - d8 (Surr)	112		%	EPA 8260B	06/09/2009	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009	
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009	
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	06/09/2009	
Toluene - d8 (Surr)	99.5		%	EPA 8260B	06/09/2009	

Parameter	Method				Analysis Method	Date Analyzed
	Measured Value	Reporting Limit	Units			
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009	
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009	
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	06/09/2009	
Toluene - d8 (Surr)	98.9		%	EPA 8260B	06/09/2009	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/09/2009	
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/09/2009	
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/09/2009	
1,2-Dichloroethane-d4 (Surr)	97.1		%	EPA 8260B	06/09/2009	
Toluene - d8 (Surr)	98.6		%	EPA 8260B	06/09/2009	

KIFF ANALYTICAL, LLC

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

Report Number : 68800

Date : 06/11/2009

**QC Report : Method Blank Data**

Project Name : Albany Hill Mini Mart

Project Number : 3934

Parameter	Method				Date Analyzed
	Measured Value	Reporting Limit	Units	Analysis Method	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/10/2009
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/10/2009
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/10/2009
1,2-Dichloroethane-d4 (Surrogate)	97.4		%	EPA 8260B	06/10/2009
Toluene - d8 (Surrogate)	98.8		%	EPA 8260B	06/10/2009

Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
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**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 06/11/2009

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	878	909	ug/L	M EPA 8015	6/9/09	87.8	90.9	3.47	70-130	25
Benzene	68800-08	<0.50	40.6	40.6	38.6	38.2	ug/L	EPA 8260B	6/9/09	95.2	94.1	1.11	70-130	25
Methyl-t-butyl ether	68800-08	<0.50	40.7	40.7	40.6	40.1	ug/L	EPA 8260B	6/9/09	99.7	98.6	1.17	70-130	25
Tert-Butanol	68800-08	<5.0	201	201	203	203	ug/L	EPA 8260B	6/9/09	101	101	0.0689	70-130	25
Toluene	68800-08	<0.50	40.1	40.1	44.8	44.3	ug/L	EPA 8260B	6/9/09	112	110	1.12	70-130	25
Benzene	68800-09	260	40.6	40.6	314	305	ug/L	EPA 8260B	6/9/09	127	107	17.0	70-130	25
Methyl-t-butyl ether	68800-09	<0.50	40.7	40.7	34.6	34.6	ug/L	EPA 8260B	6/9/09	85.0	85.0	0.00774	70-130	25
Tert-Butanol	68800-09	<5.0	201	201	194	193	ug/L	EPA 8260B	6/9/09	96.2	96.0	0.222	70-130	25
Toluene	68800-09	35	40.1	40.1	77.3	75.2	ug/L	EPA 8260B	6/9/09	104	99.3	5.12	70-130	25
Benzene	68800-10	<0.50	40.6	40.6	39.7	39.0	ug/L	EPA 8260B	6/9/09	97.8	96.0	1.88	70-130	25
Methyl-t-butyl ether	68800-10	34	40.7	40.7	69.2	70.1	ug/L	EPA 8260B	6/9/09	85.8	88.0	2.50	70-130	25
Tert-Butanol	68800-10	<5.0	201	201	192	191	ug/L	EPA 8260B	6/9/09	95.2	95.0	0.163	70-130	25
Toluene	68800-10	<0.50	40.1	40.1	37.7	37.8	ug/L	EPA 8260B	6/9/09	94.1	94.3	0.281	70-130	25
Benzene	68800-07	<0.50	40.6	40.6	41.4	40.8	ug/L	EPA 8260B	6/9/09	102	100	1.43	70-130	25
Methyl-t-butyl ether	68800-07	<0.50	40.7	40.7	40.2	40.3	ug/L	EPA 8260B	6/9/09	98.7	99.0	0.226	70-130	25
Tert-Butanol	68800-07	<5.0	201	201	204	205	ug/L	EPA 8260B	6/9/09	101	102	0.580	70-130	25
Toluene	68800-07	<0.50	40.1	40.1	40.4	40.0	ug/L	EPA 8260B	6/9/09	101	99.8	1.10	70-130	25

Report Number : 68800

## QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 06/11/2009

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
Benzene	68800-01	5.5	40.6	40.6	47.9	48.3	ug/L	EPA 8260B	6/10/09	104	106	1.07	70-130	25
Methyl-t-butyl ether	68800-01	71	40.7	40.7	112	114	ug/L	EPA 8260B	6/10/09	101	105	4.62	70-130	25
Tert-Butanol	68800-01	<5.0	201	201	204	207	ug/L	EPA 8260B	6/10/09	101	103	1.26	70-130	25
Toluene	68800-01	<0.50	40.1	40.1	40.3	40.7	ug/L	EPA 8260B	6/10/09	100	101	0.894	70-130	25

KIFF ANALYTICAL, LLC

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

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	40.4	ug/L	EPA 8260B	6/9/09	91.6	70-130
Methyl-t-butyl ether	40.5	ug/L	EPA 8260B	6/9/09	90.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/9/09	97.4	70-130
Toluene	39.9	ug/L	EPA 8260B	6/9/09	109	70-130
Benzene	40.0	ug/L	EPA 8260B	6/9/09	100	70-130
Methyl-t-butyl ether	40.7	ug/L	EPA 8260B	6/9/09	91.3	70-130
Tert-Butanol	201	ug/L	EPA 8260B	6/9/09	97.3	70-130
Toluene	40.0	ug/L	EPA 8260B	6/9/09	102	70-130
Benzene	40.4	ug/L	EPA 8260B	6/9/09	98.9	70-130
Methyl-t-butyl ether	40.5	ug/L	EPA 8260B	6/9/09	98.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/9/09	96.6	70-130
Toluene	39.9	ug/L	EPA 8260B	6/9/09	99.6	70-130
Benzene	39.9	ug/L	EPA 8260B	6/9/09	104	70-130
Methyl-t-butyl ether	40.6	ug/L	EPA 8260B	6/9/09	101	70-130
Tert-Butanol	201	ug/L	EPA 8260B	6/9/09	104	70-130
Toluene	39.9	ug/L	EPA 8260B	6/9/09	103	70-130
Benzene	40.2	ug/L	EPA 8260B	6/10/09	107	70-130

Report Number : 68800

QC Report : Laboratory Control Sample (LCS)

Date : 06/11/2009

Project Name : Albany Hill Mini Mart

Project Number : 3934

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Methyl-t-butyl ether	40.9	ug/L	EPA 8260B	6/10/09	102	70-130
Tert-Butanol	202	ug/L	EPA 8260B	6/10/09	106	70-130
Toluene	40.2	ug/L	EPA 8260B	6/10/09	105	70-130

KIFF ANALYTICAL, LLC

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

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

# Chain of Custody

68800

PAGE 1 of 1

SAMPLER (SIGNATURE)

R.J.-E.K.tay

PROJECT NAME Albany Hill Mini Mart

JOB NO. 3938

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTX (EPA 5030B/815-8220)	TPH-DIESEL w/ S. Haze (w) (EPA 3510/815) Cleaning	TPH-DIESEL & MOTOR OIL (EPA 3510/815)	CAM 17 METALS (EPA 8010-7000)	SEMI-VOLATILE ORGANICS (EPA 825/8270)	Pb (TOTAL or DISSOLVED) (EPA 8010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8280)	PURGEABLE HALOCARBONS (EPA 8010/8010)	TPH-G/B/TX5 OXYS (EPA METHOD 8280)	MULTI RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 824/8240/8260)	LUFT METALS (5) (EPA 8010-7000)	COMPOSITE 4:1	EDF
MW-1	6-4-09	1140	W 5	X										X		X	01		
MW-2		1210	1	X										X		X	02		
MW-3		1240		X										X		X	03		
MW-4		1540		X										X		X	04		
MW-5R		1430		X										X		X	05		
MW-6		1330		X										X		X	06		
MW-7		1655		X										X		X	07		
MW-8		1615		X										X		X	08		
MW-9		1405		X										X		X	09		
MW-10	✓	1355	VVV	X										X		X	10		

RELINQUISHED BY:

R.J.-E.K.tay  
(signature)

RECEIVED BY:

Adam Fearey  
(signature) (time)

RELINQUISHED BY:

R.J.-E.K.tay  
(signature) (time)

RECEIVED BY LABORATORY:

R.J.-E.K.tay 0955  
(signature) (time)

COMMENTS: SAMPLE RECEIPT

Temp °C 74 Therm. ID# DE

Initial ASE Date 06/08/09

Time 15:32 Coolant present yes

TURN AROUND TIME

STANDARD 24Hr 48Hr 72Hr

OTHER:

Company-ASE, INC.

Company-

Company-

Company- Kiff Analytical

# SAMPLE RECEIPT CHECKLIST

RECEIVER  
AOE  
Initials

SRG#: 68800 Date: 060809  
 Project ID: Albany Hill Mini-Mart  
 Method of Receipt:  Courier  Over-the-counter  Shipper

## COC Inspection

Is COC present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Custody seals on shipping container?	<input type="checkbox"/> Intact	<input type="checkbox"/> Broken <input type="checkbox"/> Not present <input checked="" type="checkbox"/> N/A
Is COC Signed by Relinquisher? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Dated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is sampler name legibly indicated on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is analysis or hold requested for all samples	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the turnaround time indicated on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is COC free of whiteout and uninitialed cross-outs?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No, Whiteout <input type="checkbox"/> No, Cross-outs

## Sample Inspection

Coolant Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No (includes water)
Temperature °C	<u>25.4</u>	Therm. ID# <u>IR-5</u> Initial <u>A22</u> Date/Time <u>060809 / 1532</u> <input type="checkbox"/> N/A
Are there custody seals on sample containers?	<input type="checkbox"/> Intact	<input type="checkbox"/> Broken <input checked="" type="checkbox"/> Not present
Do containers match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No, COC lists absent sample(s)	<input type="checkbox"/> No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are any sample containers broken, leaking or damaged?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are preservatives indicated?	<input checked="" type="checkbox"/> Yes, on sample containers	<input type="checkbox"/> Yes, on COC <input type="checkbox"/> Not indicated <input type="checkbox"/> N/A
Are preservatives correct for analyses requested?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Are samples within holding time for analyses requested?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are the correct sample containers used for the analyses requested?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is there sufficient sample to perform testing?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does any sample contain product, have strong odor or are otherwise suspected to be hot?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

## Receipt Details

Matrix <u>WA</u>	Container type <u>PC WAS</u>	# of containers received <u>50</u>
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 060809 Time: 1537

## Quicklog

Are the Sample ID's indicated:	<input type="checkbox"/> On COC	<input type="checkbox"/> On sample container(s)	<input checked="" type="checkbox"/> On Both	<input type="checkbox"/> Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Is the Project ID indicated:	<input type="checkbox"/> On COC	<input type="checkbox"/> On sample container(s)	<input checked="" type="checkbox"/> On Both	<input type="checkbox"/> Not indicated
If project ID is listed on both COC and containers, do they all match?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Are the sample collection dates indicated:	<input type="checkbox"/> On COC	<input type="checkbox"/> On sample container(s)	<input checked="" type="checkbox"/> On Both	<input type="checkbox"/> Not indicated
If collection dates are listed on both COC and containers, do they all match?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Are the sample collection times indicated:	<input type="checkbox"/> On COC	<input type="checkbox"/> On sample container(s)	<input checked="" type="checkbox"/> On Both	<input type="checkbox"/> Not indicated
If collection times are listed on both COC and containers, do they all match?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	

## COMMENTS:

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