

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 10:23 am, Aug 18, 201

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. 1460 Washington Blvd, Suite A2011, Concord, CA 94521
(925) 820-9391

August 16, 2016

QUARTERLY GROUNDWATER MONITORING
REPORT
ASE JOB NO. 3934

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

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
1460 Washington Blvd, Suite A2011
Concord, CA 94521
(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

Jasminder & Sonia Sikand
1066 Rock Harbor Point
Hercules, CA 94547

Environmental Consulting Firm

Aqua Science Engineers, Inc. (ASE)
1460 Washington Blvd, Suite A2011
Concord, CA 94521
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: Mark Detterman
(510) 567-6876

The following is a report detailing the results of the June 2016 quarterly groundwater sampling at the Albany Hill Mini Mart property.

This sampling was conducted as required by the ACHCSA. The sampling schedule was reverted to a quarterly monitoring schedule at the request of the ACHCSA to monitor for possible rebound from the discontinuation of groundwater remediation, which ceased on March 2, 2015. ASE prepared this report on behalf of Jasminder and Sonia Sikand, the responsible party.



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2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On June 10, 2016, ASE measured the depth to groundwater in all site monitoring wells using an electric water level sounder. The only exception was monitoring well MW-4, which was inaccessible due to a car parked over the well. 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 toward the east and north. The groundwater flow direction at the site varies significantly from quarter to quarter, and was likely previously effected by the ozone-sparging taking place at the site. Groundwater dropped approximately 0.75-feet since February 2016.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On June 10, 2016, ASE collected groundwater samples from all groundwater monitoring wells except MW-4, which was inaccessible due to a car parked over the well. 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 bailer used to purge that well 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 McCampbell Analytical, Inc. of Pittsburg, California (ELAP #1644) 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 McCampbell Analytical for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX), fuel oxygenates including methyl tertiary-butyl ether (MTBE), and naphthalene by EPA Method 8260B. The analytical results for this and previous sampling events are summarized in Table Two. TPH-G, benzene, and MTBE isoconcentration contour maps are presented as Figures 3, 4, and 5, respectively.

The certified analytical report and chain-of-custody documentation are included as Appendix B.

4.0 RESULTS AND CONCLUSIONS

- The only compound detected in groundwater samples collected from monitoring well MW-1 was MTBE at 5.9 parts per billion (ppb). This MTBE concentration was slightly higher than



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last quarter, although consistent with the single digit concentrations detected since 2013. No other hydrocarbons were detected. Overall, there has been a significant long-term decreasing trend of hydrocarbon concentrations in this well.

- No TPH-G, BTEX, naphthalene or oxygenates were detected in groundwater samples collected from monitoring well MW-2, other than 0.51 ppb MTBE, which is just above the laboratory reporting limit. Prior to this sampling event, there were 16 consecutive sampling events where no hydrocarbons or oxygenates were detected in this well. No hydrocarbons have been detected in groundwater samples from this well above Environmental Screening Levels (ESLs) since February 2008.
- No TPH-G, BTEX, naphthalene or oxygenates were detected in groundwater samples collected from monitoring well MW-3. This is the 11th time in the last 13 sampling events that no hydrocarbons or oxygenates were detected in groundwater samples from this well. No hydrocarbons have been detected in groundwater samples from this well above ESLs since May 2010.
- Groundwater samples collected from monitoring well MW-5R contained 1,500 ppb TPH-G. No BTEX, naphthalene, or oxygenates were detected. This is the second lowest concentration in this well since December 2010. It is ASE's opinion that the hydrocarbon concentrations in this well are likely related to an off-site former underground storage tank and not from an on-site source.
- No TPH-G, BTEX, naphthalene, or oxygenates concentrations were detected in groundwater samples collected from monitoring well MW-6 this quarter, other than 0.73 ppb MTBE. The TPH-G concentration decreased from the previous two sampling events. No BTEX has been detected in this well since 2009. There has been a long-term decreasing trend in hydrocarbon concentrations from this well, other than sporadic TPH-G and MTBE concentrations being detected.
- No TPH-G, BTEX, naphthalene, or oxygenates were detected in groundwater samples collected from monitoring well MW-7. This is the 17th time in the last 19 sampling events and the 10th consecutive sampling event, that no hydrocarbons or oxygenates were detected in groundwater samples collected from this well.
- No hydrocarbons or oxygenates were detected in groundwater samples collected from monitoring well MW-8 this quarter. This is the 18th consecutive sampling event that no hydrocarbons were detected in groundwater samples collected from this well.
- Groundwater samples collected from monitoring well MW-9 contained 600 ppb TPH-G, 24 ppb benzene, 0.91 ppb toluene, 26 ppb ethyl benzene, 64 ppb total xylenes, 2.4 ppb TBA, and 30 ppb naphthalene. Other than the naphthalene concentration, these results generally show a decrease in hydrocarbon concentrations with many of the compounds at historic low concentrations.



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- The only compounds detected in groundwater samples collected from monitoring well MW-10 during this sampling period were 150 ppb TPH-G and 0.53 ppb MTBE. These concentrations are very similar to the previous sampling event. No BTEX has been detected in groundwater samples collected from this well since May 2010.

Concentrations exceeding ESLs established by the California Regional Water Quality Control Board, San Francisco Bay Region dated February 2016:

- In MW-1, the MTBE concentration barely exceeded the ESL.
- In MW-5R, the TPH-G concentration exceeded the ESL.
- In MW-9, TPH-G, benzene, ethyl benzene, total xylene, and naphthalene concentrations exceeded ESLs.
- In MW-10, the TPH-G concentration exceeded the ESL.

No hydrocarbon concentrations exceeded ESLs in groundwater samples collected from monitoring wells MW-2, MW-3, MW-6, MW-7 and MW-8.

In ASE's opinion, these concentrations confirm that there has been no rebound in hydrocarbon concentrations since the discontinuation of ozone-sparging groundwater remediation. Further, the only on-site well that still contains significant hydrocarbon concentrations (MW-9) continues to show a decreasing trend in concentrations even after discontinuation of remediation.

6.0 RECOMMENDATIONS

ASE recommends the following:

- ASE recommends one that groundwater monitoring revert back to semi-annual groundwater monitoring, and that sampling of monitoring wells MW-2, MW-3, MW-7 and MW-8 be discontinued once again.
- After an initial positive contact with the property owner of 752 San Pablo Avenue regarding indoor air sampling in the basement of Club Mallard, ASE has not been able to make further contact with the property owner to receive written authorization to conduct the sampling. ASE is still trying to obtain written permission to conduct the sampling and is ready with the public sampling notice and sampling supplies to conduct the sampling. ASE will conduct the sampling immediately upon obtaining written permission for access and will submit a report within 30 days of the sampling date,



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7.0 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.

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



Robert E. Kitay, P.G.
Senior Geologist

Attachments: Figures 1 through 6
Tables One and Two
Appendices A and B

cc: Mr. Mark Detterman, ACHCSA via upload to ACHCSA database
RWQCB via Geotracker

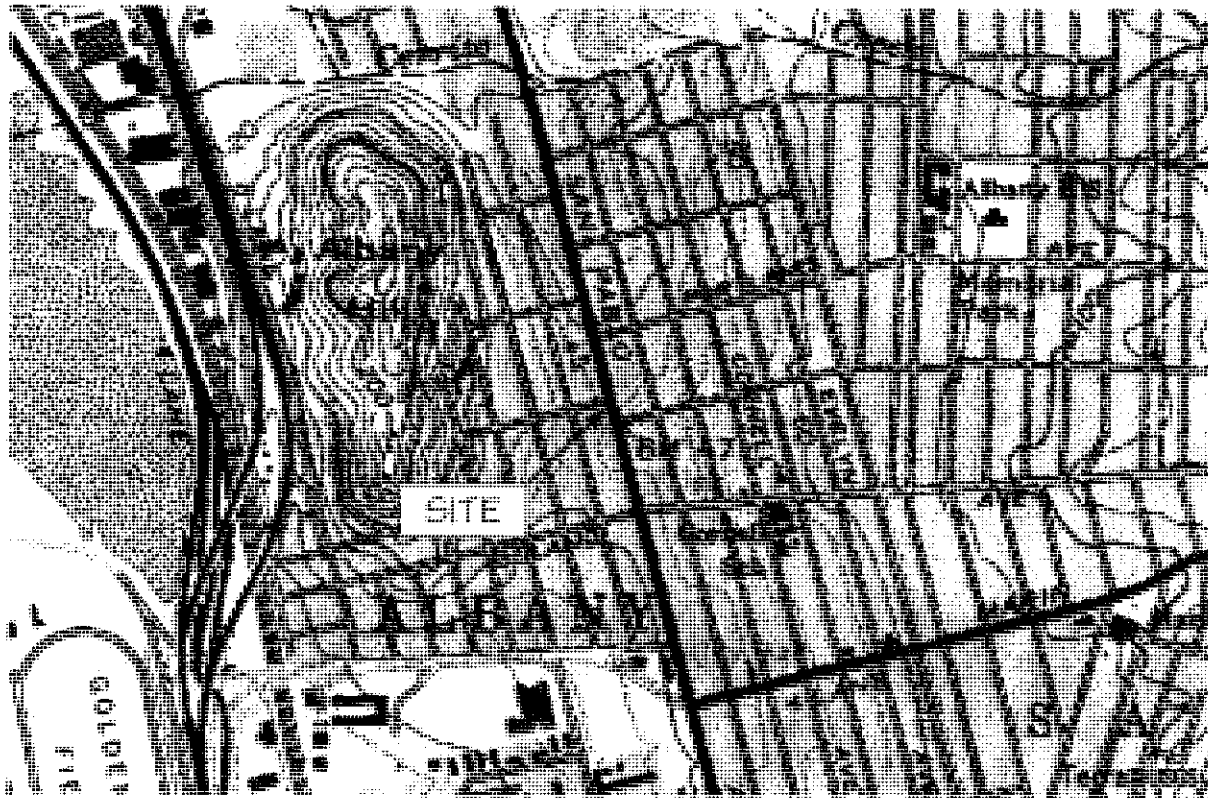


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FIGURES



NORTH



LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

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Figure 1

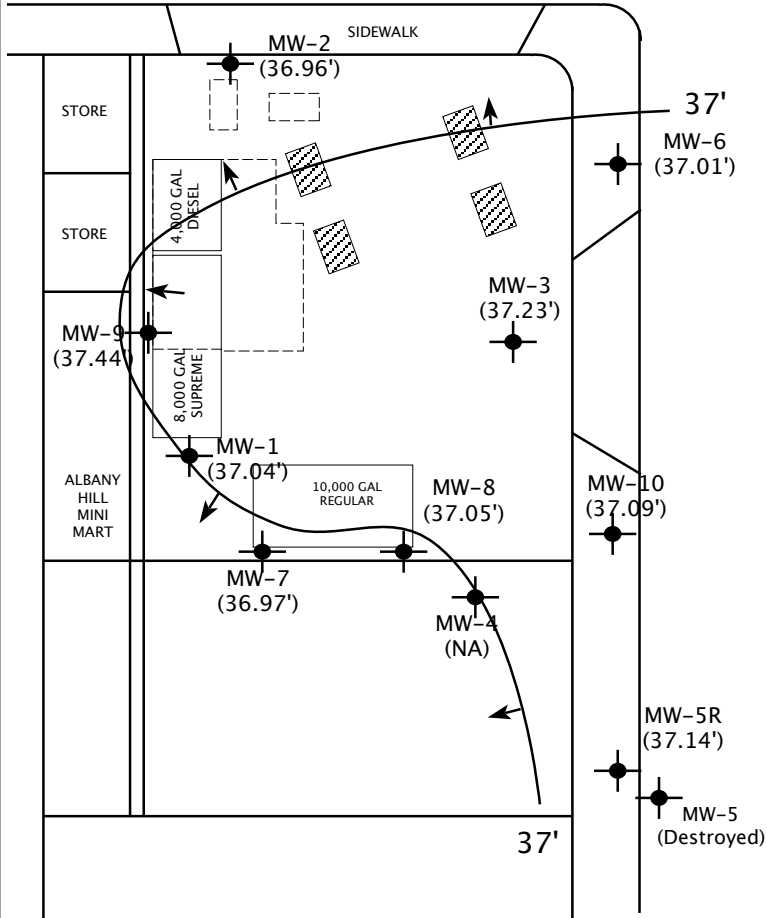


NORTH

SCALE: 1" = 20'

WASHINGTON AVENUE

SAN PABLO AVENUE



LEGEND

- MW-9 (37.44')
- 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 10, 2016

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS

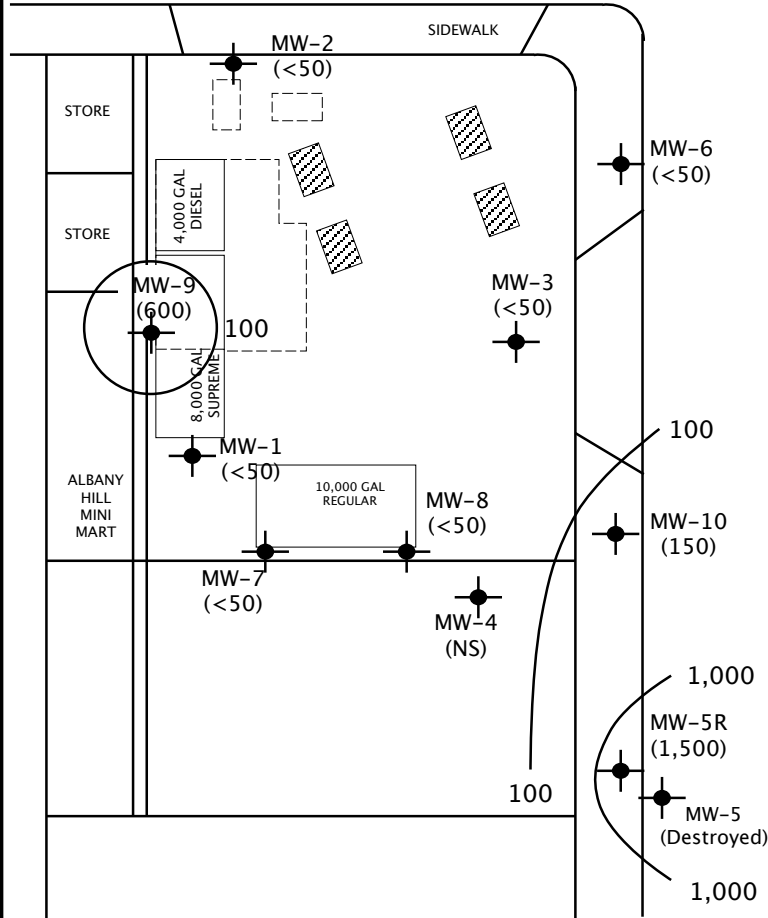
Figure 2



NORTH

SCALE: 1" = 20'

WASHINGTON AVENUE



SAN PABLO AVENUE

LEGEND

- MW-9 (600)
- MONITORING WELL WITH TPH-G CONCENTRATION IN PPB
- TPH-G CONCENTRATION CONTOUR LINE
- (NS) NOT SAMPLED
- APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

TPH-G CONCENTRATION CONTOUR MAP
JUNE 10, 2016

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

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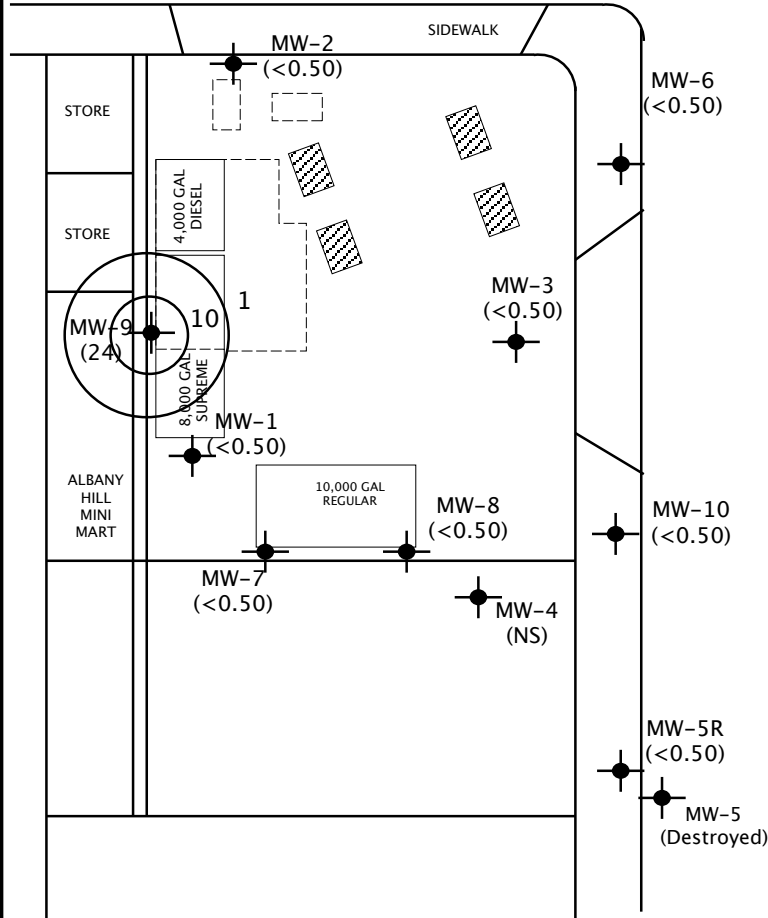
Figure 3



NORTH




SCALE: 1" = 20'

WASHINGTON AVENUE



SAN PABLO AVENUE

LEGEND

- MW-9 (24)
-  MONITORING WELL WITH BENZENE CONCENTRATION IN PPB
-  BENZENE CONCENTRATION CONTOUR LINE
- (NS) NOT SAMPLED
-  APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

BENZENE CONCENTRATION
CONTOUR MAP
JUNE 10, 2016

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

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Figure 4

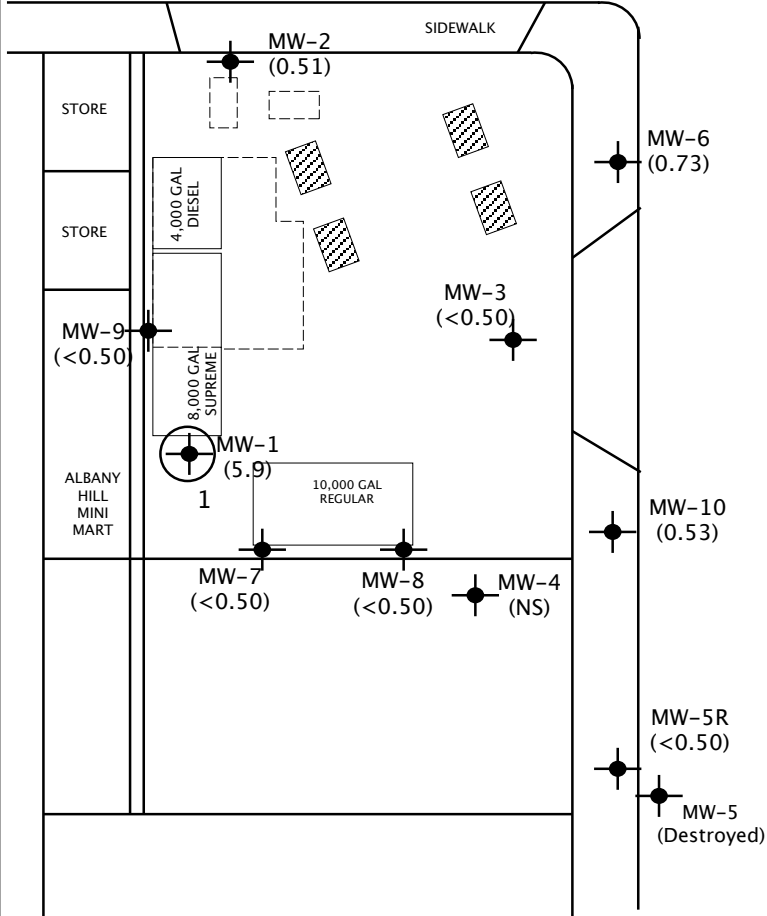


NORTH

SCALE: 1" = 20'

WASHINGTON AVENUE

SAN PABLO AVENUE



LEGEND

- MW-9 (< 0.50)
- MONITORING WELL WITH MTBE CONCENTRATION IN PPB
- MTBE CONCENTRATION CONTOUR LINE
- (NS) NOT SAMPLED
- APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

MTBE CONCENTRATION
CONTOUR MAP
JUNE 10, 2016

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

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Figure 5



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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
	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	11.51	34.91	
	3/6/06	48.82	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
	5/20/08		12.17	36.65
	8/22/08	13.06	35.76	
	12/10/08	13.17	35.65	
	3/20/09	10.09	38.73	
	6/4/09	11.89	36.93	
12/3/09	12.91	35.91		
5/19/10	10.39	38.43		
12/21/10	10.72	38.10		
6/29/11	11.26	37.56		
12/13/11	12.15	36.67		
9/12/12	12.68	36.14		
3/30/13	11.63	37.19		
9/30/13	13.15	35.67		
3/31/14	10.81	38.01		
12/18/14	10.61	38.21		
3/31/15	12.35	36.47		
6/30/15	12.98	35.84		
10/7/15	14.05	34.77		
2/16/16	11.03	37.79		
6/10/16		11.78	37.04	

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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-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		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	
	12/5/07	11.98		35.73	
	2/25/08	8.93		38.78	
	5/20/08	11.78		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		
	12/3/09	11.86	35.85		
	5/19/10	9.37	38.34		
	12/21/10	9.54	38.17		
6/29/11	10.27	37.44			
12/13/11	11.17	36.54			
9/12/12	11.75	35.96			
3/30/13	10.50	37.21			
9/30/13	12.17	35.54			
3/31/14	9.73	37.98			
12/18/14	9.25	38.46			
3/31/15	11.35	36.36			
6/30/15	11.98	35.73			
10/7/15	13.01	34.70			
2/16/16	9.99	37.72			
6/10/16	10.75	36.96			

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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	47.49	10.22	34.86	
	3/6/06		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	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	39.03		
	6/4/09	10.97	36.52		
	12/3/09	11.54	35.95		
	5/19/10	9.11	38.38		
	12/21/10	9.38	38.11		
6/29/11	10.02	37.47			
12/13/11	10.86	36.63			
9/12/12	8.98	38.51			
3/30/13	10.26	37.23			
9/30/13	11.88	35.61			
3/31/14	9.22	38.27			
12/18/14	9.41	38.08			
3/31/15	11.02	36.47			
6/30/15	11.66	35.83			
10/7/15	12.69	34.80			
2/16/16	9.66	37.83			
6/10/16		10.26	37.23		

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Albany Hill Mini Mart
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Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
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
	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
	6/4/09		10.68	36.93
	12/3/09		11.55	36.06
	5/19/10		9.21	38.40
	12/21/10		9.49	38.12
	6/29/11		9.79	37.82
	12/13/11		10.98	36.63
	9/12/12		11.41	36.20
	3/30/13		10.25	37.36
	9/30/13		11.91	35.70
	3/31/14		9.65	37.96
12/18/14			Not accessible	
3/31/15			11.29	36.32
6/30/15			11.74	35.87
10/7/15			12.77	34.84
2/16/16			9.80	37.81
6/10/16			Not accessible	

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
	5/20/08		10.18	37.18
	8/22/08		11.08	36.28
	12/10/08		11.32	36.04
	3/20/09		8.46	38.90
	6/4/09		10.35	37.01
	12/3/09		10.83	36.53
	5/19/10		8.55	38.81
	12/21/10		9.00	38.36
	6/29/11		9.81	37.55
	12/13/11		10.65	36.71
	9/12/12		11.21	36.15
	3/30/13		10.83	36.53
9/30/13		11.60	35.76	
3/31/14		9.16	38.20	
12/18/14		8.85	38.51	
3/31/15		10.80	36.56	
6/30/15		11.44	35.92	
10/7/15		12.49	34.87	
2/16/16		9.47	37.89	
6/10/16			10.22	37.14

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-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
	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
	6/4/09		9.36	36.91
	12/3/09		10.14	36.13
	5/19/10		7.83	38.44
	12/21/10		6.35	39.92
	6/29/11		8.50	37.77
	12/13/11		9.60	36.67
	9/12/12		10.21	36.06
	3/30/13		9.50	36.77
	9/30/13		10.62	35.65
	3/31/14		6.31	39.96
	12/18/14		6.31	39.96
3/31/15		9.81	36.46	
6/30/15		10.45	35.82	
10/7/15		11.48	34.79	
2/16/16		8.50	37.77	
6/10/16			9.26	37.01

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-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	---
	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	---
	6/4/09		11.55	36.81	
	12/3/09		12.41	35.95	
	5/19/10		9.94	38.42	
	12/21/10		10.77	37.59	
	6/29/11		10.84	37.52	
	12/13/11		11.71	36.65	
	9/12/12		12.11	36.25	
	3/30/13		11.04	37.32	
	9/30/13		12.70	35.66	
	3/31/14		10.39	37.97	
	12/18/14		11.05	37.31	
3/31/15		11.85	36.51		
6/30/15		12.49	35.87		
10/7/15		13.55	34.81		
2/16/16		10.53	37.83		
6/10/16			11.39	36.97	

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	39.17
	5/20/08		11.38	36.61
	8/22/08		12.26	35.73
	12/10/08		12.49	35.50
	3/20/09		9.19	38.80
	6/4/09		11.29	36.70
	12/3/09		12.12	35.87
	5/19/10		9.64	38.35
	12/21/10		10.36	37.63
	6/29/11		10.48	37.51
	12/13/11		11.35	36.64
	9/12/12		11.57	36.42
	3/30/13		10.68	37.31
	9/30/13		12.32	35.67
	3/31/14		10.01	37.98
12/18/14		11.00	36.99	
3/31/15		11.50	36.49	
6/30/15		12.12	35.87	
10/7/15		13.17	34.82	
2/16/16		10.16	37.83	
6/10/16			10.94	37.05

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-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
	5/20/08		12.15	37.09
	8/22/08		13.18	36.06
	12/10/08		13.32	35.92
	3/20/09		11.39	37.85
	6/4/09		11.82	37.42
	12/3/09		12.93	36.31
	5/19/10		10.26	38.98
	12/21/10		11.66	37.58
	6/29/11		11.50	37.74
	12/13/11		12.38	36.86
9/12/12		13.00	36.24	
3/30/13		12.05	37.19	
9/30/13		13.36	35.88	
3/31/14		11.80	37.44	
12/18/14		11.74	37.50	
3/31/15		12.42	36.82	
6/30/15		13.27	35.97	
10/7/15		14.32	34.92	
2/16/16		11.15	38.09	
6/10/16			11.80	37.44

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-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	38.87
	5/20/08		10.58	36.32
	8/22/08		11.48	35.42
	12/10/08		11.68	35.22
	3/20/09		8.83	38.07
	6/4/09		10.00	36.90
	12/3/09		11.16	35.74
	5/19/10		8.87	38.03
	12/21/10		8.67	38.23
	6/29/11		9.44	37.46
	12/13/11		10.25	36.65
	9/12/12		9.61	37.29
	3/30/13		9.57	37.33
	9/30/13		11.20	35.70
	3/31/14		8.82	38.08
	12/18/14		8.71	38.19
3/31/15		10.41	36.49	
6/30/15		11.03	35.87	
10/7/15		12.06	34.84	
2/16/16		9.12	37.78	
6/10/16			9.81	37.09

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 11, 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
	5/20/08	740	< 50	220	3.2	7.5	6.9	< 0.50	23	170	0.68 DIPE
	8/22/08	190	< 50	52	1.2	7.3	4.6	< 0.50	11	160	0.60 DIPE
	12/10/08	98	< 50	18	< 0.50	3.2	0.89	< 0.50	< 5.0	74	< 0.50
	3/20/09	61	< 50	1.8	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	65	< 0.50
	6/4/09	< 50	< 50	5.5	< 0.50	0.63	< 0.50	< 0.50	< 5.0	71	< 0.50
	12/3/09	75	< 50	2.8	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	30	< 0.50
	5/19/10	75	< 50	1.3	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	47	< 0.50
	12/21/10	< 50	< 50	0.86	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	19	< 0.50
	6/29/11	68	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	20	< 0.50
	12/13/11	< 50	< 50	2.4	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	20	< 0.50
	9/12/12	< 50	---	2.9	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	13	< 0.50
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	13	< 0.50
	9/30/13	< 50	< 50	0.67	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	8.1	< 0.50
	3/31/14	< 50	---	1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	5.8	< 0.50
	12/18/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	3.4	< 0.50
	3/31/15	< 50	---	0.77	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	4.8	< 0.50
	6/30/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	2.2	< 0.50
	10/7/15	< 50	84	1.7	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	2.7	< 0.50
	2/16/16	< 50	---	0.66	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	3.7	< 0.50
	6/10/16	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	5.9	< 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	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
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	< 20	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	< 0.50	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
	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
	12/3/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	5/19/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/21/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	6/29/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/13/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	9/12/12	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	9/30/13	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/18/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
	6/30/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
	10/7/15	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
	2/16/16										
	6/10/16	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	0.51	< 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	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
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
	5/20/08	560	< 50	130	3.6	5.7	14	< 0.50	21	34	0.85 DIPE
	8/22/08	110	< 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
	12/3/09	280	< 50	46	0.61	0.93	1.9	< 0.50	< 5.0	12	0.65 DIPE
	5/19/10	200	< 50	20	< 0.50	< 0.50	< 0.50	< 0.50	9.3	13	0.94 DIPE
	12/21/10	200	< 50	32	< 0.50	1.1	3.3	< 0.50	< 5.0	9.5	0.64 DIPE
	6/29/11	120	< 50	13	< 0.50	< 0.50	< 0.50	< 0.50	6.7	9.8	0.85 DIPE
	12/13/11	520	< 80	92	0.96	1.1	1.7	< 0.50	7.8	14	1.1 DIPE
	9/12/12	350	---	51	0.76	0.94	2.0	< 0.50	< 5.0	9.8	0.76 DIPE
	3/30/13	86	---	7.3	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	8.1	0.55 DIPE
	9/30/13	130	< 50	17	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	8.8	0.63 DIPE
	3/31/14	53	---	3.5	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	0.55	< 0.50
	12/18/14	Not Sampled - Car Parked Over Well									
3/31/15	170	---	25	< 1.2	< 1.2	< 1.2	< 1.2	< 5.0	5.8	< 1.2	
6/30/15	200	---	28	< 0.50	< 0.50	< 0.50	< 0.50	2.2	7.7	0.53 DIPE	
10/7/15	110	< 50	2.9	< 0.50	< 0.50	< 0.50	< 0.50	2.5	7.3	< 0.50	
2/16/16	63	---	3.0	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	3.8	< 0.50	
6/10/16	Not Sampled - Car Parked Over Well										

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 Improvements									
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
	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
	12/3/09	55	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	13	< 0.50
	5/19/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	2.2	< 0.50
	12/21/10	2,700	< 50	16	1.4	29	1.6	< 0.50	< 5.0	< 0.50	< 0.50
	6/29/11	1,900	< 300	12	1.1	6.0	0.85	< 0.50	< 5.0	< 0.50	< 0.50
	12/13/11	3,200	< 400	15	1.2	10	1.3	< 0.50	< 5.0	< 0.50	< 0.50
	9/12/12	3,400	---	23	1.7	2.8	1.4	< 0.50	< 5.0	< 0.50	< 0.50
	3/30/13	2,200	---	5.7	0.85	4.2	0.62	< 0.50	< 5.0	< 0.50	< 0.50
	9/30/13	2,000	< 50	13	0.97	5.1	0.82	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/14	3,200	---	22	1.4	12	1.2	< 0.50	< 5.0	< 0.50	< 0.50
12/18/14	3,000	---	19	1.5	18	1.3	< 0.50	< 5.0	< 0.50	< 0.50	
3/31/15	1,900	---	10	0.86	2.1	1.0	< 0.50	< 2.0	< 0.50	< 0.50	
6/30/15	1,800	---	1.9	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	
10/7/15	290	51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50	
2/16/16	1,800	---	2.7	0.68	3.9	1.1	< 0.50	< 2.0	< 0.50	< 0.50	
6/10/16	1,500	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 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	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
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
	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
	12/3/09	750	< 1, 500	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	4.4	< 0.50
	5/19/10	210	< 200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	2.8	< 0.50
	12/21/10	130	< 400	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	6/29/11	390	< 200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	0.5	< 0.50
	12/13/11	94	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	18	< 0.50
	9/12/12	270	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	13	< 0.50
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	9/30/13	300	850*	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/18/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	5.8	< 0.50
	6/30/15	330	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	1.2	< 0.50
	10/7/15	1,400	560*	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	2.5	11	< 0.50
	2/16/16	1,100	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
	6/10/16	< 50	—	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	0.73	< 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	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs	
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. Inaccessable					
	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	
	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	
	12/3/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	5/19/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	0.55	< 0.50	
	12/21/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	6/29/11	180	< 80	< 0.50	< 0.50	2.8	14	< 0.50	< 5.0	< 0.50	< 0.50	
	12/13/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	9/12/12	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	9/30/13	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	3/31/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
	12/18/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	
3/31/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
6/30/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
10/7/15	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
2/16/16						No Longer Sampled						
6/10/16		< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 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	Ethyl-benzene	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	130	< 0.50	
	5/20/08	< 50	< 50	< 0.50	< 0.50	< 0.50	1.5	< 0.50	< 0.50	6.1	< 0.50	
	8/22/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	12/10/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	3/20/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	6/4/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	12/3/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	5/19/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	12/21/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	6/29/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	12/13/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	9/12/12	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	9/30/13	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	3/31/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
	12/18/14	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
3/31/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
6/30/15	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
10/7/15	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50		
2/16/16						No Longer Sampled						
6/10/16		< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 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	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
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	< 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	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	< 0.50	< 0.50
	5/20/08	3,000	< 200	320	39	170	390	< 0.50	< 5.0	0.51	< 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	170	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
	12/3/09	5,200	< 300	260	63	320	970	< 0.50	< 5.0	< 0.50	< 0.50
	5/19/10	3,000	< 300	190	23	120	490	< 0.90	< 5.0	< 0.90	< 0.90
	12/21/10	4,900	< 300	200	35	260	1,000	< 0.90	< 5.0	< 0.90	< 0.90
	6/29/11	3,400	< 300	140	20	160	800	< 0.90	< 5.0	< 0.90	< 0.90
	12/13/11	7,300	< 400	170	32	340	1,600	< 0.50	< 5.0	< 0.50	< 0.50
	9/12/12	5,400	---	76	16	210	750	< 0.90	5.0	< 0.90	< 0.90
	3/30/13	3,400	---	46	8.2	130	500	< 0.50	< 5.0	< 0.50	< 0.50
	9/30/13	4,200	< 50	69	12	170	630	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/14	3,700	---	63	8.0	140	480	< 0.50	< 5.0	< 0.50	< 0.50
	12/18/14	3,100	---	45	6.3	120	420	< 0.50	< 5.0	< 0.50	< 0.50
	3/31/15	970	---	36	3.0	67	270	< 0.50	< 5.0	< 0.50	47 Naphthalene
	6/30/15	1,500	---	41	< 5.0	110	160	< 0.50	< 5.0	< 0.50	33 Naphthalene
	10/7/15	1,100	160*	17	< 2.5	78	43	< 2.5	< 10	< 2.5	17 Naphthalene
	2/16/16	670	---	27	0.61	28	19	< 0.50	< 2.0	< 0.50	19 Naphthalene
	6/10/16	600	—	24	0.91	26	64	< 0.50	2.4	< 0.50	30 Naphthalene

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-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
	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	0.89	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
	12/3/09	4,500	< 800	36	2.5	140	4.3	< 0.50	< 5.0	< 0.50	< 0.50
	5/19/10	3,600	< 600	19	2.3	120	3.3	< 0.50	< 5.0	< 0.50	< 0.50
	12/21/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	7.2	< 0.50
	6/29/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	2.0	< 0.50
	12/13/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	3.5	< 0.50
	9/12/12	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	2.6	< 0.50
	3/30/13	< 50	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	0.67	< 0.50
	9/30/13	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	1.4	< 0.50
	3/31/14	120	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	1.5	< 0.50
	12/18/14	280	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	2.2	< 0.50
	3/31/15	130	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	1.5	< 0.50
	6/30/15	150	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	2.1	< 0.50
	10/7/15	270	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	1.3	< 0.50
	2/16/16	230	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 0.50
	6/10/16	150	---	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	0.53	< 0.50
ESL		100	100	1.0	40	13	20	NE	12	5.0	Varies

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 8260

ESL = Environmental screening level established 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 (February 2016).

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.



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APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-16

WELL ID. MW-1 SAMPLER RK

TOTAL DEPTH OF WELL 24.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 11.78 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 12.42

NUMBER OF GALLONS PER WELL CASING VOLUME 2.1

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.3 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1120 TIME EVACUATION COMPLETED 1140

TIME SAMPLES WERE COLLECTED 1140

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.3 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR clear ODOR/SEDIMENT none/none

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>1</u>	<u>18.2</u>		<u>1190</u>
<u>2</u>	<u>18.2</u>		<u>1090</u>
<u>3</u>	<u>18.2</u>		<u>1100</u>

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-1</u>	<u>3</u>	<u>40-ml VOA</u>	<u>TPH-WATTEX</u>	<u>1H4</u>
<u>"</u>	<u>2</u>	<u>" " "</u>	<u>TPH-D</u>	

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-18

WELL ID. MW-2 SAMPLER RK

TOTAL DEPTH OF WELL 24.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 10.75 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 14.05

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 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1040 TIME EVACUATION COMPLETED 1105

TIME SAMPLES WERE COLLECTED 1105

DID WELL GO DRY NO AFTER HOW MANY GALLONS ~~6.9 gal~~ 1105

VOLUME OF GROUNDWATER PURGED 6.9 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR yellow brown ODOR/SEDIMENT none / yellow brown silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	5.5	690
2	18.9	5.7	700
3	18.9	5.7	700

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	3	40-ml VOA	TPH-6/BTEX	1+4
"	2	" " "	TPH-17	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME	Albany Hill		
JOB NUMBER	3934	DATE OF SAMPLING	6-10-15
WELL ID.	MW-3	SAMPLER	RK
TOTAL DEPTH OF WELL	23.8	WELL DIAMETER	2"
DEPTH TO WATER PRIOR TO PURGING	10.26	TIME OF MEASUREMENT	
PRODUCT THICKNESS	0		
DEPTH OF WELL CASING IN WATER	13.54		
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 gal		
EQUIPMENT USED TO PURGE WELL	NEW DISPOSABLE BAILER		
TIME EVACUATION STARTED	1710	TIME EVACUATION COMPLETED	1735
TIME SAMPLES WERE COLLECTED	1735		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	6.9 gal		
SAMPLING DEVICE	NEW DISPOSABLE BAILER		
SAMPLE COLOR	yellow/brown	ODOR/SEDIMENT	Normal slight pH

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.4	6.3	550
2	19.3	6.3	580
3	19.3	6.3	580

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	3	40-ml VOA	TPH-G/BTEX	149
"	2	" " "	TPH-D	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-15

WELL ID. MW-4 SAMPLER PK

TOTAL DEPTH OF WELL 24.5 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING _____ TIME OF MEASUREMENT _____

PRODUCT THICKNESS _____

DEPTH OF WELL CASING IN WATER _____

NUMBER OF GALLONS PER WELL CASING VOLUME _____

NUMBER OF WELL CASING VOLUMES TO BE REMOVED _____

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING _____

EQUIPMENT USED TO PURGE WELL _____ NEW DISPOSABLE BAILER _____

TIME EVACUATION STARTED _____ TIME EVACUATION COMPLETED _____

TIME SAMPLES WERE COLLECTED _____

DID WELL GO DRY _____ AFTER HOW MANY GALLONS _____

VOLUME OF GROUNDWATER PURGED _____

SAMPLING DEVICE _____ NEW DISPOSABLE BAILER _____

SAMPLE COLOR _____ ODOUR/SEDIMENT _____

Well

car parked over Not Sampled

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>1</u>			
<u>2</u>			
<u>3</u>			

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-4</u>	<u>3</u>	<u>40-ml VOA</u>	<u>TPH-G/BTEX</u>	<u>HCl</u>
<u>"</u>	<u>2</u>	<u>" " "</u>	<u>TPH-D</u>	<u>"</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-19

WELL ID. MW-5R SAMPLER RK

TOTAL DEPTH OF WELL 19.58 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 10.22 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.36

NUMBER OF GALLONS PER WELL CASING VOLUME 1.5

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.5 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1510 TIME EVACUATION COMPLETED 1530

TIME SAMPLES WERE COLLECTED 1530

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.5 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR clear ODOR/SEDIMENT Mod hie odor / none

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.6	.	640
2	19.6		640
3	19.6		640

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5R	3	40-ml Vof	TPH-GIBTEX	1x1
"	2	" " "	TPH-D	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3984 DATE OF SAMPLING 6-10-16

WELL ID. MW-6 SAMPLER RK

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 9.26 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 15.4'

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 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1400 TIME EVACUATION COMPLETED 1440

TIME SAMPLES WERE COLLECTED 1440

DID WELL GO DRY NO, but slow producing AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 7.8 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR yellow brown ODOR/SEDIMENT None/ slight silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.1		830
2	19.8		830
3	19.7		830

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	3	40-ml VOA	TPH-6/BTEX	HCl
" "	2	" "	TPH-D	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-15

WELL ID. MW-7 SAMPLER RK

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 11.39 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 13.31

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 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1305 TIME EVACUATION COMPLETED 1330

TIME SAMPLES WERE COLLECTED 1335

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.6 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR yellow brown ODOR/SEDIMENT None/ slight silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.0	.	280
2	18.0		280
3	18.0		280

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	3	40-ml vial	TPH-WATER	HC
"	2	" "	TPH-D	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-16

WELL ID. MW-8 SAMPLER RK

TOTAL DEPTH OF WELL 19.1 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 10.94 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 8.16

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 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 12:10 TIME EVACUATION COMPLETED 12:30

TIME SAMPLES WERE COLLECTED 12:35

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 3.9 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR yellow brown ODOR/SEDIMENT None / yellow brown silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.0		590
2	18.0		590
3	18.0		590

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-8	3	40ml VOA	TPH-L/D/STX	HC
"	2	" " "	TPH-D	"

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-16

WELL ID. MW-9 SAMPLER RK

TOTAL DEPTH OF WELL 16-8 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 11-80 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 5.0

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 2.5 gal

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 10:00 TIME EVACUATION COMPLETED 10:15

TIME SAMPLES WERE COLLECTED 1600

DID WELL GO DRY Yes AFTER HOW MANY GALLONS 1

VOLUME OF GROUNDWATER PURGED 1 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR slight yellow brown ODOR/SEDIMENT slight hc / slight silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
Well went dry too fast for data collection			

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-9</u>	<u>3</u>	<u>40-ml VOR</u>	<u>TPH-6/BTEX</u>	<u>HCI</u>
<u>"</u>	<u>2</u>	<u>" " "</u>	<u>TPH-D</u>	<u>"</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Albany Hill

JOB NUMBER 3934 DATE OF SAMPLING 6-10-16

WELL ID. MW-10 SAMPLER RK

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 9.81 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 14.87

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 NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1615 TIME EVACUATION COMPLETED 1645

TIME SAMPLES WERE COLLECTED 1645

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 7.5 gal

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR Clear ODOR/SEDIMENT None/None

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.4	5.6	870
2	19.3	6.1	880
3	19.3	6.1	880

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-10	3	40-ml VOA	TPH-G/BTEX	170
" "	2	" " "	TPH-D	1



Aqua Science Engineers, Inc. 1460 Washington Blvd, Suite A2011, Concord, CA 94521
(925) 820-9391

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation
For Groundwater Samples



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1606612

Report Created for: Aqua Science Engineers, Inc.
55 Oak Court Suite 220
Danville, CA 94526

Project Contact: Robert Kitay
Project P.O.:
Project Name: 3934; Albany Hill Mini Mart

Project Received: 06/14/2016

Analytical Report reviewed & approved for release on 06/20/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3934; Albany Hill Mini Mart
WorkOrder: 1606612

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
M	Estimate Maximum Possible Concentration
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1 aqueous sample that contains greater than ~1 vol. % sediment



Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3934; Albany Hill Mini Mart
WorkOrder: 1606612

Quality Control Qualifiers

F2 LCS/LCSD recovery and/or RPD is out of acceptance criteria.
F3 the surrogate standard recovery and/or RPD is outside of acceptance limits.



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

TPH(g) by Purge & Trap and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1	1606612-001A	Water	06/10/2016 11:40	GC16	122372
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/16/2016 16:02
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	105		70-130		06/16/2016 16:02
<u>Analyst(s):</u> KF					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1606612-002A	Water	06/10/2016 11:05	GC16	122372
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/16/2016 16:42
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	103		70-130		06/16/2016 16:42
<u>Analyst(s):</u> KF			<u>Analytical Comments:</u> b1		

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	1606612-003A	Water	06/10/2016 17:35	GC16	122372
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/16/2016 17:22
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	106		70-130		06/16/2016 17:22
<u>Analyst(s):</u> KF			<u>Analytical Comments:</u> b1		

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5R	1606612-004A	Water	06/10/2016 15:30	GC16	122372
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	1500		50	1	06/17/2016 02:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	114		70-130		06/17/2016 02:04
<u>Analyst(s):</u> KF					



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

TPH(g) by Purge & Trap and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1606612-005A	Water	06/10/2016 14:40	GC10	122460
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/17/2016 17:03
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	114		70-130		06/17/2016 17:03
<u>Analyst(s):</u> KF			<u>Analytical Comments:</u> b1		

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1606612-006A	Water	06/10/2016 13:35	GC10	122460
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/18/2016 05:49
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	111		70-130		06/18/2016 05:49
<u>Analyst(s):</u> KF					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	1606612-007A	Water	06/10/2016 12:35	GC16	122509
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		50	1	06/18/2016 10:23
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	106		70-130		06/18/2016 10:23
<u>Analyst(s):</u> KF			<u>Analytical Comments:</u> b1		

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-9	1606612-008A	Water	06/10/2016 16:00	GC16	122509
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	600		50	1	06/18/2016 11:03
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	109		70-130		06/18/2016 11:03
<u>Analyst(s):</u> KF			<u>Analytical Comments:</u> b1		



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

TPH(g) by Purge & Trap and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-10	1606612-009A	Water	06/10/2016 11:45	GC16	122509

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	150	50	1	06/18/2016 11:43

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	107	70-130	06/18/2016 11:43

Analyst(s): KF



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1	1606612-001A	Water	06/10/2016 11:40	GC18	122372

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/16/2016 20:22
Benzene	ND	0.50	1	06/16/2016 20:22
t-Butyl alcohol (TBA)	ND	2.0	1	06/16/2016 20:22
Diisopropyl ether (DIPE)	ND	0.50	1	06/16/2016 20:22
Ethylbenzene	ND	0.50	1	06/16/2016 20:22
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/16/2016 20:22
Methyl-t-butyl ether (MTBE)	5.9	0.50	1	06/16/2016 20:22
Naphthalene	ND	0.50	1	06/16/2016 20:22
Toluene	ND	0.50	1	06/16/2016 20:22
Xylenes, Total	ND	0.50	1	06/16/2016 20:22

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	89	70-130	06/16/2016 20:22
Toluene-d8	85	70-130	06/16/2016 20:22
4-BFB	82	70-130	06/16/2016 20:22

Analyst(s): MW

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1606612-002A	Water	06/10/2016 11:05	GC18	122372

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/16/2016 21:00
Benzene	ND	0.50	1	06/16/2016 21:00
t-Butyl alcohol (TBA)	ND	2.0	1	06/16/2016 21:00
Diisopropyl ether (DIPE)	ND	0.50	1	06/16/2016 21:00
Ethylbenzene	ND	0.50	1	06/16/2016 21:00
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/16/2016 21:00
Methyl-t-butyl ether (MTBE)	0.51	0.50	1	06/16/2016 21:00
Naphthalene	ND	0.50	1	06/16/2016 21:00
Toluene	ND	0.50	1	06/16/2016 21:00
Xylenes, Total	ND	0.50	1	06/16/2016 21:00

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	89	70-130	06/16/2016 21:00
Toluene-d8	86	70-130	06/16/2016 21:00
4-BFB	82	70-130	06/16/2016 21:00

Analyst(s): MW

Analytical Comments: b1

(Cont.)



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	1606612-003A	Water	06/10/2016 17:35	GC18	122372

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/16/2016 21:39
Benzene	ND	0.50	1	06/16/2016 21:39
t-Butyl alcohol (TBA)	ND	2.0	1	06/16/2016 21:39
Diisopropyl ether (DIPE)	ND	0.50	1	06/16/2016 21:39
Ethylbenzene	ND	0.50	1	06/16/2016 21:39
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/16/2016 21:39
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/16/2016 21:39
Naphthalene	ND	0.50	1	06/16/2016 21:39
Toluene	ND	0.50	1	06/16/2016 21:39
Xylenes, Total	ND	0.50	1	06/16/2016 21:39

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	89	70-130	06/16/2016 21:39
Toluene-d8	85	70-130	06/16/2016 21:39
4-BFB	81	70-130	06/16/2016 21:39

Analyst(s): MW

Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5R	1606612-004A	Water	06/10/2016 15:30	GC16	122372

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/17/2016 02:04
Benzene	ND	0.50	1	06/17/2016 02:04
t-Butyl alcohol (TBA)	ND	2.0	1	06/17/2016 02:04
Diisopropyl ether (DIPE)	ND	0.50	1	06/17/2016 02:04
Ethylbenzene	ND	0.50	1	06/17/2016 02:04
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/17/2016 02:04
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/17/2016 02:04
Naphthalene	ND	0.50	1	06/17/2016 02:04
Toluene	ND	0.50	1	06/17/2016 02:04
Xylenes, Total	ND	0.50	1	06/17/2016 02:04

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	98	70-130	06/17/2016 02:04
Toluene-d8	83	70-130	06/17/2016 02:04
4-BFB	78	70-130	06/17/2016 02:04

Analyst(s): KF

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1606612-005A	Water	06/10/2016 14:40	GC10	122460

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/17/2016 17:03
Benzene	ND	0.50	1	06/17/2016 17:03
t-Butyl alcohol (TBA)	ND	2.0	1	06/17/2016 17:03
Diisopropyl ether (DIPE)	ND	0.50	1	06/17/2016 17:03
Ethylbenzene	ND	0.50	1	06/17/2016 17:03
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/17/2016 17:03
Methyl-t-butyl ether (MTBE)	0.73	0.50	1	06/17/2016 17:03
Naphthalene	ND	0.50	1	06/17/2016 17:03
Toluene	ND	0.50	1	06/17/2016 17:03
Xylenes, Total	ND	0.50	1	06/17/2016 17:03

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	100	70-130	06/17/2016 17:03
Toluene-d8	98	70-130	06/17/2016 17:03
4-BFB	101	70-130	06/17/2016 17:03

Analyst(s): KF

Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1606612-006A	Water	06/10/2016 13:35	GC10	122460

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/18/2016 05:49
Benzene	ND	0.50	1	06/18/2016 05:49
t-Butyl alcohol (TBA)	ND	2.0	1	06/18/2016 05:49
Diisopropyl ether (DIPE)	ND	0.50	1	06/18/2016 05:49
Ethylbenzene	ND	0.50	1	06/18/2016 05:49
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/18/2016 05:49
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/18/2016 05:49
Naphthalene	ND	0.50	1	06/18/2016 05:49
Toluene	ND	0.50	1	06/18/2016 05:49
Xylenes, Total	ND	0.50	1	06/18/2016 05:49

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	97	70-130	06/18/2016 05:49
Toluene-d8	97	70-130	06/18/2016 05:49
4-BFB	99	70-130	06/18/2016 05:49

Analyst(s): KF

(Cont.)

NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	1606612-007A	Water	06/10/2016 12:35	GC16	122509

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/18/2016 10:23
Benzene	ND	0.50	1	06/18/2016 10:23
t-Butyl alcohol (TBA)	ND	2.0	1	06/18/2016 10:23
Diisopropyl ether (DIPE)	ND	0.50	1	06/18/2016 10:23
Ethylbenzene	ND	0.50	1	06/18/2016 10:23
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/18/2016 10:23
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/18/2016 10:23
Naphthalene	ND	0.50	1	06/18/2016 10:23
Toluene	ND	0.50	1	06/18/2016 10:23
Xylenes, Total	ND	0.50	1	06/18/2016 10:23

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	94	70-130	06/18/2016 10:23
Toluene-d8	93	70-130	06/18/2016 10:23
4-BFB	95	70-130	06/18/2016 10:23

Analyst(s): KF

Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-9	1606612-008A	Water	06/10/2016 16:00	GC16	122509

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/18/2016 11:03
Benzene	24	0.50	1	06/18/2016 11:03
t-Butyl alcohol (TBA)	2.4	2.0	1	06/18/2016 11:03
Diisopropyl ether (DIPE)	ND	0.50	1	06/18/2016 11:03
Ethylbenzene	26	0.50	1	06/18/2016 11:03
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/18/2016 11:03
Methyl-t-butyl ether (MTBE)	ND	0.50	1	06/18/2016 11:03
Naphthalene	30	0.50	1	06/18/2016 11:03
Toluene	0.91	0.50	1	06/18/2016 11:03
Xylenes, Total	64	0.50	1	06/18/2016 11:03

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	96	70-130	06/18/2016 11:03
Toluene-d8	92	70-130	06/18/2016 11:03
4-BFB	95	70-130	06/18/2016 11:03

Analyst(s): KF

Analytical Comments: b1

(Cont.)



Analytical Report

Client: Aqua Science Engineers, Inc.
Date Received: 6/14/16 17:36
Date Prepared: 6/16/16-6/18/16
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-10	1606612-009A	Water	06/10/2016 11:45	GC16	122509

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	06/18/2016 19:47
Benzene	ND	0.50	1	06/18/2016 19:47
t-Butyl alcohol (TBA)	ND	2.0	1	06/18/2016 19:47
Diisopropyl ether (DIPE)	ND	0.50	1	06/18/2016 19:47
Ethylbenzene	ND	0.50	1	06/18/2016 19:47
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	06/18/2016 19:47
Methyl-t-butyl ether (MTBE)	0.53	0.50	1	06/18/2016 19:47
Naphthalene	ND	0.50	1	06/18/2016 19:47
Toluene	ND	0.50	1	06/18/2016 19:47
Xylenes, Total	ND	0.50	1	06/18/2016 19:47

Surrogates	REC (%)	Limits	Date Analyzed
Dibromofluoromethane	93	70-130	06/18/2016 19:47
Toluene-d8	94	70-130	06/18/2016 19:47
4-BFB	85	70-130	06/18/2016 19:47

Analyst(s): KF

CLIENT: Aqua Science Engineers, Inc.

ANALYTICAL QC SUMMARY REPORT

Work Order: 1606612

Project: 3934; Albany Hill Mini Mart

BatchID: 122372

SampleID MB-122372	TestCode: 8260GAS_W	Units: µg/L	Prep Date: 6/16/2016
Batch ID: 122372	TestNo: SW8260B	Run ID: GC16_160617B	Analysis Date: 6/16/2016
Analyte	Result	PQL SPKValue SPKRefVal %REC Limits	RPDRefVal %RPD RPDLimit Qual

TPH(g)	ND	50	-
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Surrogate Recovery

Dibromofluoromethane	26.8	25	107	70 - 130
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Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

CLIENT: Aqua Science Engineers, Inc.

Work Order: 1606612

Project: 3934; Albany Hill Mini Mart

ANALYTICAL QC SUMMARY REPORT

BatchID: 122372

SampleID	LCS-122372	TestCode:	8260GAS_W	Units:	µg/L	Prep Date:	6/16/2016			
Batch ID:	122372	TestNo:	SW8260B	Run ID:	GC16_160617B	Analysis Date:	6/16/2016			
Analyte	Result	PQL	SPKValue	SPKRefVal	%REC	Limits	RPDRefVal	%RPD	RPDLimit	Qual

VOC (C6-C12)	564	50	644	0	88	70 - 130				
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Surrogate Recovery

Dibromofluoromethane	27.2		25		109	70 - 130				
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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Quality Control Report

Client: Aqua Science Engineers, Inc.
Date Prepared: 6/16/16
Date Analyzed: 6/16/16
Instrument: GC16
Matrix: Water
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
BatchID: 122372
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-122372
 1606612-002AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
tert-Amyl methyl ether (TAME)	ND	8.19	0.50	10	-	82	54-140
Benzene	ND	9.56	0.50	10	-	96	47-158
t-Butyl alcohol (TBA)	ND	27.1	2.0	40	-	68	42-140
Diisopropyl ether (DIPE)	ND	9.12	0.50	10	-	91	57-136
Ethylbenzene	ND	9.79	0.50	10	-	98	60-152
Ethyl tert-butyl ether (ETBE)	ND	9.19	0.50	10	-	92	55-137
Methyl-t-butyl ether (MTBE)	ND	8.68	0.50	10	-	87	53-139
Naphthalene	ND	6.14	0.50	10	-	61, F2	66-127
Toluene	ND	8.78	0.50	10	-	88	52-137
Xylenes, Total	ND	32.4	0.50	30	-	108	70-130
Surrogate Recovery							
Dibromofluoromethane	23.1	23.4		25	92	93	70-130
Toluene-d8	21.5	21.1		25	86	85	70-130
4-BFB	1.75	1.71		2.5	70	68, F3	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.52	8.67	10	ND	85	87	69-139	1.67	20
Benzene	9.52	9.50	10	ND	95	95	69-141	0	20
t-Butyl alcohol (TBA)	32.1	33.4	40	ND	80	83	41-152	3.94	20
Diisopropyl ether (DIPE)	9.25	9.31	10	ND	92	93	72-140	0.689	20
Ethylbenzene	9.54	9.48	10	ND	95	95	73-128	0	20
Ethyl tert-butyl ether (ETBE)	9.42	9.57	10	ND	94	96	71-140	1.55	20
Methyl-t-butyl ether (MTBE)	8.99	9.32	10	0.5119	85	88	73-139	3.53	20
Naphthalene	7.61	7.52	10	ND	76	75	54-148	1.08	20
Toluene	8.78	8.65	10	ND	88	87	71-128	1.51	20
Xylenes, Total	30.6	30.9	30	ND	102	103	70-130	0.672	20
Surrogate Recovery									
Dibromofluoromethane	23.5	23.8	25		94	95	73-131	0.993	20
Toluene-d8	21.0	21.1	25		84	84	72-117	0	20
4-BFB	1.78	1.75	2.5		71,F3	70,F3	74-116	1.53	20



Quality Control Report

Client: Aqua Science Engineers, Inc.
Date Prepared: 6/17/16
Date Analyzed: 6/17/16
Instrument: GC10, GC18
Matrix: Water
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
BatchID: 122460
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-122460
 1606612-005AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
tert-Amyl methyl ether (TAME)	ND	10.0	0.50	10	-	100	54-140
Benzene	ND	10.1	0.50	10	-	101	47-158
t-Butyl alcohol (TBA)	ND	36.3	2.0	40	-	91	42-140
Diisopropyl ether (DIPE)	ND	9.64	0.50	10	-	96	57-136
Ethylbenzene	ND	10.3	0.50	10	-	103	60-152
Ethyl tert-butyl ether (ETBE)	ND	9.79	0.50	10	-	98	55-137
Methyl-t-butyl ether (MTBE)	ND	9.77	0.50	10	-	98	53-139
Naphthalene	ND	9.72	0.50	10	-	97	66-127
Toluene	ND	10.3	0.50	10	-	103	52-137
Xylenes, Total	ND	30.8	0.50	30	-	103	70-130
Surrogate Recovery							
Dibromofluoromethane	22.3	22.3		25	89	89	70-130
Toluene-d8	21.3	21.3		25	85	85	70-130
4-BFB	2.01	2.09		2.5	80	83	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	11.2	12.0	10	ND	111	120	69-139	7.58	20
Benzene	9.46	10.1	10	ND	95	101	69-141	6.97	20
t-Butyl alcohol (TBA)	40.2	38.9	40	ND	101	97	41-152	3.27	20
Diisopropyl ether (DIPE)	9.24	9.68	10	ND	92	97	72-140	4.67	20
Ethylbenzene	10.2	10.9	10	ND	102	109	73-128	7.26	20
Ethyl tert-butyl ether (ETBE)	10.5	10.9	10	ND	105	109	71-140	3.38	20
Methyl-t-butyl ether (MTBE)	11.1	11.4	10	0.7312	104	107	73-139	2.92	20
Naphthalene	8.51	9.21	10	ND	85	92	54-148	7.87	20
Toluene	9.66	10.6	10	ND	97	106	71-128	8.97	20
Xylenes, Total	29.8	32.2	30	ND	99	107	70-130	7.76	20
Surrogate Recovery									
Dibromofluoromethane	24.4	24.4	25		98	98	73-131	0	20
Toluene-d8	24.4	24.6	25		98	98	72-117	0	20
4-BFB	2.66	2.59	2.5		107	104	74-116	2.71	20



Quality Control Report

Client: Aqua Science Engineers, Inc.
Date Prepared: 6/18/16
Date Analyzed: 6/18/16
Instrument: GC16
Matrix: Water
Project: 3934; Albany Hill Mini Mart

WorkOrder: 1606612
BatchID: 122509
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-122509
 1606654-004CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
tert-Amyl methyl ether (TAME)	ND	9.02	0.50	10	-	90	54-140
Benzene	ND	9.67	0.50	10	-	97	47-158
t-Butyl alcohol (TBA)	ND	29.0	2.0	40	-	73	42-140
Diisopropyl ether (DIPE)	ND	9.44	0.50	10	-	94	57-136
Ethylbenzene	ND	10.7	0.50	10	-	107	60-152
Ethyl tert-butyl ether (ETBE)	ND	9.33	0.50	10	-	93	55-137
Methyl-t-butyl ether (MTBE)	ND	8.82	0.50	10	-	88	53-139
Naphthalene	ND	9.27	0.50	10	-	93	66-127
Toluene	ND	10.1	0.50	10	-	101	52-137
Xylenes, Total	ND	31.4	0.50	30	-	105	70-130
Surrogate Recovery							
Dibromofluoromethane	23.4	22.8		25	94	91	70-130
Toluene-d8	23.1	23.6		25	92	94	70-130
4-BFB	2.29	2.46		2.5	92	98	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.90	8.98	10	ND	89	90	69-139	0.874	20
Benzene	9.37	9.17	10	ND	94	92	69-141	2.16	20
t-Butyl alcohol (TBA)	32.4	33.0	40	ND	81	82	41-152	1.82	20
Diisopropyl ether (DIPE)	9.11	9.12	10	ND	91	91	72-140	0	20
Ethylbenzene	10.1	9.94	10	ND	101	99	73-128	1.70	20
Ethyl tert-butyl ether (ETBE)	9.37	9.44	10	ND	94	94	71-140	0	20
Methyl-t-butyl ether (MTBE)	9.08	9.26	10	ND	91	93	73-139	1.96	20
Naphthalene	9.56	9.29	10	ND	96	93	54-148	2.81	20
Toluene	9.62	9.33	10	ND	96	93	71-128	3.03	20
Xylenes, Total	29.2	29.5	30	ND	97	98	70-130	0.992	20
Surrogate Recovery									
Dibromofluoromethane	23.4	23.7	25		94	95	73-131	1.17	20
Toluene-d8	23.3	23.2	25		93	93	72-117	0	20
4-BFB	2.31	2.27	2.5		92	91	74-116	1.73	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1606612

ClientCode: ASED

WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 Email
 HardCopy
 ThirdParty
 J-flag

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

Email: rkitay@aquascienceengineers.com
 cc/3rd Party:
 PO:
 ProjectNo: 3934; Albany Hill Mini Mart

Bill to:
 Diane Schiell
 Aqua Science Engineers, Inc.
 217 Wild Flower Drive
 Roseville, CA 95678
 deezthng22@yahoo.com

Requested TAT: 5 days;

Date Received: 06/14/2016
Date Logged: 06/14/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1606612-001	MW-1	Water	6/10/2016 11:40	<input type="checkbox"/>	A	A											
1606612-002	MW-2	Water	6/10/2016 11:05	<input type="checkbox"/>	A	A											
1606612-003	MW-3	Water	6/10/2016 17:35	<input type="checkbox"/>	A	A											
1606612-004	MW-5R	Water	6/10/2016 15:30	<input type="checkbox"/>	A	A											
1606612-005	MW-6	Water	6/10/2016 14:40	<input type="checkbox"/>	A	A											
1606612-006	MW-7	Water	6/10/2016 13:35	<input type="checkbox"/>	A	A											
1606612-007	MW-8	Water	6/10/2016 12:35	<input type="checkbox"/>	A	A											
1606612-008	MW-9	Water	6/10/2016 16:00	<input type="checkbox"/>	A	A											
1606612-009	MW-10	Water	6/10/2016 11:45	<input type="checkbox"/>	A	A											

Test Legend:

1	8260GAS_W	2	8260VOC_W	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A contain testgroup.

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: AQUA SCIENCE ENGINEERS, INC.

QC Level: LEVEL 2

Work Order: 1606612

Project: 3934; Albany Hill Mini Mart

Client Contact: Robert Kitay

Date Logged: 6/14/2016

Comments:

Contact's Email: rkitay@aquascienceengineers.com

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606612-001A	MW-1	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 11:40	5 days	Present	<input type="checkbox"/>	
1606612-002A	MW-2	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 11:05	5 days	1%+	<input type="checkbox"/>	
1606612-003A	MW-3	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 17:35	5 days	1%+	<input type="checkbox"/>	
1606612-004A	MW-5R	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 15:30	5 days	Present	<input type="checkbox"/>	
1606612-005A	MW-6	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 14:40	5 days	25%+	<input type="checkbox"/>	
1606612-006A	MW-7	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 13:35	5 days	Present	<input type="checkbox"/>	
1606612-007A	MW-8	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 12:35	5 days	1%+	<input type="checkbox"/>	
1606612-008A	MW-9	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 16:00	5 days	2%+	<input type="checkbox"/>	
1606612-009A	MW-10	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	<input type="checkbox"/>	6/10/2016 11:45	5 days	Present	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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

1606612

Chain of Custody

PAGE 1 / 1

SAMPLER (SIGNATURE)

Robert E. Kirby

PROJECT NAME

Albany Hill Mini Mart

JOB NO.

3934

ADDRESS

800 San Pablo Ave, Albany, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	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 (EPA 8082)	ORGANOCHLORINATED PESTICIDES (EPA 8081A)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G, BTEX & 5 OXY's + (EPA 8260) <i>naphthalene</i>	COMPOSITE	EDF	HOLD	
MW-1	6-10-16	1140	W	3																	
MW-2		1105															X			X	
MW-3		1735															X			X	
MW-5R		1530															X			X	
MW-6		1440															X			X	
MW-7		1335															X			X	
MW-8		1235															X			X	
MW-9		1600															X			X	
MW-10		1645															X			X	

RELINQUISHED BY:

Robert E. Kirby
 (signature) (time) 16:20

RECEIVED BY:

Robert E. Kirby
 (signature) (time)

RELINQUISHED BY:

Robert E. Kirby
 (signature) (time) 6/14/16 17:36

RECEIVED BY LABORATORY:

Robert E. Kirby
 (signature) (time) 6/14/16 17:36

COMMENTS:

TURN AROUND TIME

STANDARD 24Hr 48Hr 72Hr

OTHER:

(printed name) (date)

Company-ASE, INC.

(printed name) (date)

Company-

(printed name) (date)

Company-

(printed name) (date)

Company-



Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.**
 Project Name: **3934; Albany Hill Mini Mart**
 WorkOrder No: **1606612** Matrix: Water
 Carrier: Courier

Date and Time Received: **6/14/2016 17:36**
 Date Logged: **6/14/2016**
 Received by: **Jena Alfaro**
 Logged by: **Jena Alfaro**

Chain of Custody (COC) Information

Chain of custody present? Yes No
 Chain of custody signed when relinquished and received? Yes No
 Chain of custody agrees with sample labels? Yes No
 Sample IDs noted by Client on COC? Yes No
 Date and Time of collection noted by Client on COC? Yes No
 Sampler's name noted on COC? Yes No

Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes No NA
 Shipping container/cooler in good condition? Yes No
 Samples in proper containers/bottles? Yes No
 Sample containers intact? Yes No
 Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No
 Sample/Temp Blank temperature Temp: 2.4°C NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

 Comments: