Alameda County Health Care Services Agency

1131 Harbor Bay Pkwy, Suite 250

Alameda, CA 94502

Subject: RO#0000262

Albany Hill Mini Mart

800 San Pablo Avenue

Albany, CA

Attached please find a copy of the most recent groundwater sampling report for the above referenced site. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

Jasminder Sikand

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

December 4, 2015

QUARTERLY GROUNDWATER MONITORING AND SOIL VAPOR SAMPLING REPORT ASE JOB NO. 3934

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

Prepared by:
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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)
55 Oak Court, Suite 220
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Agency Review
Alameda County Health
Care Services Agency (ACHCSA)
1131 Harbor Bay Pkwy, Suite 250
Alameda, CA 94502
Contact: Mark Detterman
(510) 567-6876

The following is a report detailing the results of the October 2015 quarterly groundwater sampling at the Albany Hill Mini Mart property. Also included is a soil vapor sampling for soil vapor wells MW-4 (to confirm the elevated concentrations from the previous sampling event and SVW-1 (since a laboratory error on the previous sampling did not allow for usable data from this well). This sampling was originally scheduled for September 2015 to be in the third quarter of 2015. However, since it rained within the 5 day window prior to to the scheduled soil vapor sampling, the work was delayed to allow the sampling to take place outside of the 5-days without prior rain requirement for a valid soil vapor sampling.

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.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On October 7, 2015, ASE measured the depth to groundwater in all ten site monitoring wells using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No sheen or free-floating hydrocarbons were observed in any of the monitoring wells. Groundwater elevation data is presented in Table One. A groundwater potentiometric surface map is presented as Figure 2. The general groundwater flow direction is 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. In general, the groundwater gradient is much flatter this quarter than in previous sampling periods,

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On October 7, 2015, ASE collected groundwater samples from all ten monitoring wells. Prior to sampling, each monitoring well was purged of at least three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature and electrical conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Monitoring well MW-9 went dry prior to completion of the purging of three well casing volumes and was allowed to recover for two hours prior to sampling. Groundwater samples were collected from each well using the same polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to 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. Analysis for total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 8015M was previously discontinued as agreed upon by the Alameda County Health Care Services Agency, although this analysis was performed this quarter. The analytical results for this and previous sampling events are summarized in Table Two. TPH-G, benzene, and MTBE isoconcentration 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 SOIL VAPOR SAMPLE COLLECTION AND ANALYSIS

Prior to conducting the project, ASE verified that there was no significant rainfall (no more than ¼-inch) for 5 days prior to the soil vapor sampling. There were no nearby irrigation systems.

On October 7, 2015, ASE collected soil vapor samples from soil vapor monitoring wells SVW-1 and SVW-5 (Figure 6). There was no measurable rainfall within 5 days prior to this sampling. The sampling was delayed from a prior date in September due to rainfall within the 5-previous day window.

Prior to sampling, a "vacuum shut in test" was conducted to verify there were no leaks in the sample train system. A minimum vacuum of 100-inches of water column was applied to the sampling manifold and valve system between the Summa canister and the probe for at least 5 minutes with all valves closed. A vacuum of 100-inches of water was maintained during the test for both points.

For the sampling, the vapor monitoring well and Summa canister were placed in a plastic shroud with glove entry. Helium was then added to the shroud as a tracer gas at a minimum concentration between 25 to 30% by volume, which was monitored by a helium detector. The tubing was then purged of at least three volumes to insure that all ambient air was removed from the tubing using a 5-liter Summa canister. The sample was then collected in a 1-liter Summa canister. The sample was labeled with the site location, sample designation, date and time the samples are collected, and the initials of the person collecting the sample. The samples were delivered under chain of custody to a CAL-EPA certified analytical laboratory for analysis.

It should be noted that all of the Summa canisters were very slow filling due to tight soil conditions, and neither Summa canister filled despite being open between 1.5 and 2.5 hours. Negative pressure in the Summa for SVW-1 only went from -29.5 to -25-inches of Hg in 90 minutes. Negative pressure in the Summa canister for SVW-5 only went from -30 to -23-inches of Hg in 150 minutes. Since the flow rate was so slow, it was not possible to collect the desired sample in the TO-17 cartridge for analysis since TO-17 canisters require a steady flow of vapor through relatively high permeability soil.

The vapor samples were analyzed by McCampbell Analytical of Pittsburg, California (ELAP certification 1644) for TPH-G, BTEX, five fuel oxygenates, and naphthalene by EPA Method TO-15 and oxygen, carbon dioxide, methane and helium by ASTM D1946. Nitrogen analysis wasn't performed since the Summa canisters were pressurized with nitrogen. The analytical results are tabulated in Table Three, and the certified analytical report and chain of custody form are included in Appendix C. Helium, used as a leak check gas, was not detected in either sample with detection limits below 10% of the helium concentration within the sampling shroud. The helium concentration in the shroud was always kept between 25-30%. This indicates that the sample train was leak free and the results considered valid.

5.0 RESULTS AND CONCLUSIONS

5.1 Groundwater

- In groundwater samples collected from monitoring well MW-1, TPH-D was detected at a concentration of 84 parts per billion (ppb), benzene at 1.7 ppb, and MTBE at 2.7 ppb. No other hydrocarbons were detected. Overall, there has been a significant long-term decreasing trend of hydrocarbon concentrations in this well. Although benzene and MTBE

concentrations were slightly higher than last quarter, they are still near historic low concentrations.

- No TPH-G, BTEX, naphthalene or oxygenates were detected in groundwater samples collected from monitoring well MW-2. This is the 16th consecutive sampling event that no hydrocarbons or oxygenates were detected in this well.

- No TPH-G, BTEX, naphthalene or oxygenates were detected in groundwater samples collected from monitoring well MW-3. This is the 10th time in the last 12 sampling events that no hydrocarbons or oxygenates were detected in groundwater samples from this well.

- Groundwater samples collected from monitoring well MW-4 contained 110 ppb TPH-G, 2.9 ppb benzene, 7.3 ppb MTBE, and 2.5 ppb TBA. The benzene concentration is at a historic low, and the TPH-G, MTBE and TBA concentrations were among the lowest concentrations historically detected. There has been a significant long-term decreasing trend in hydrocarbon concentrations from this well.

- Groundwater samples collected from monitoring well MW-5R contained 290 ppb TPH-G and 51 ppb TPH-D. These results show a significant decrease in concentrations from the previous quarter, and there is a long-term decreasing trend in hydrocarbon concentrations from this well. The hydrocarbon concentrations are at their lowest since 2010. No BTEX, oxygenates or naphthalene were detected.

- The TPH-G concentration in groundwater samples collected from monitoring well MW-6 this quarter was 1,400 ppb, which is a significant increase from the concentration last quarter. The TBA and MTBE concentrations also increased slightly to 2.5 ppb and 11 ppb, respectively. No BTEX has been detected in this well since 2009. No naphthalene was detected in groundwater samples collected from monitoring well MW-6 during this sampling period. 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 16th time in the last 18 sampling events and the 9th 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 17th consecutive sampling event that no hydrocarbons were detected in groundwater samples collected from this well.

- Groundwater samples collected from monitoring well MW-9 contained 1,100 ppb TPH-G, 160 ppb TPH-D, 17 ppb benzene, 78 ppb ethyl benzene, 43 ppb total xylenes, and 17 ppb naphthalene. These results show a decrease in TPH-G, benzene, ethyl benzene, total xylenes, and naphthalene concentrations from the previous sampling event. There has been a long-term decreasing trend in hydrocarbon concentrations in this well, with the benzene, xylenes and naphthalene concentrations at historic lows.

- The only compounds detected in groundwater samples collected from monitoring well MW-10 during this sampling period were 270 ppb TPH-G and 1.3 ppb MTBE. These concentrations are very similar to the previous sampling event.

Concentrations exceeding Environmental Screening Levels (ESLs) established by the California Regional Water Quality Control Board, San Francisco Bay Region in their "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" document dated December 2013 for sites where groundwater is a current or potential source of drinking water:

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

5.2 Soil Vapor

- The soil vapor sample collected from SVW-1 contained 1,300 ug/m3 TPH-G, 4.1 ug/m3 benzene, 12 ug/m3 toluene, 13 ug/m3 total xylenes, and 9.2 ug/m3 naphthalene. These concentrations are approximately an order of magnitude less than what was detected in the previous sampling in February 2014. None of the concentrations detected exceeded either residential or commercial ESLs.

- The soil vapor sample collected from SVW-5 contained 4,700,000 ug/m3 TPH-G, 20,000 ug/m3 benzene, and 10,000 ug/m3 ethyl benzene. All of these concentrations increased significantly from the previous sampling in June 2015, and all of these concentrations exceed both residential and commercial ESLs. No toluene, xylenes, naphthalene or oxygenates were detected. This vapor sample is from a depth of 10-feet bgs. These results are only relevant to the basement beneath the adjacent Mallard Club, as the results from SVW-4, which was collected from 5-feet bgs, is more relevant to the first story of the building. The adjacent building is approximately 12-feet from this boring. Closer borings are not possible due to the numerous underground utility lines in the sidewalk.

Besides the ESLs, ASE also compared the results to the Low-Risk Soil Gas Criteria outlined in Appendix 4, Scenario 4 – Direct Measurement of Soil Gas Concentrations with Bioattenuation zone from the State Water Resources Control Board, Low-Threat Underground Storage Tank Case Closure Policy, 2012. This scenario is relevant since a) there is minimum of five vertical feet of soil between the soil vapor measurement and the foundation of the building (except for

the Mallard Club basement, which will be discussed below), b) all of the soil above 5-feet have total petroleum hydrocarbon concentrations well below 100 ppm (highest actual concentration is 2.5 ppm), and c) the oxygen concentration in the soil vapor samples exceeds 4% (except in SVW-5, which was just below 4% oxygen at 3.8% during this sampling event and 35% in June 2015). All of the soil vapor results were below both the residential and commercial Low-Risk Soil Gas Criteria where a bioattenuation zone is present.

However, for the soil vapor sample from SVW-5, this sample was collected from a depth of 10-feet bgs. It is unknown what the depth of the basement in the Mallard Club may be, but it is likely deeper than 5-feet, which would invalidate the use of the bioattenuation zone criteria since the sample was not deeper than 5-feet beneath the building foundation. There is no scenario within the Low-Risk Soil Gas Criteria for horizontal distances. It is not possible to collect a deeper sample or a closer sample to the building due to the depth to groundwater and the presence of utility lines within the sidewalk. For this reason, given the current data, it is not possible to determine whether the results from SVW-5 present a risk to indoor air in the basement of the Mallard Club. There is also a curious reduction in the oxygen content in the sample from SVW-5 from 35% in June 2015 to 3.8% in October 2015. Explanations for this could be a decrease in oxygen from the discontinuation of ozone sparging or possible laboratory issues from the low volume of sample within the Summa canisters.

6.0 RECOMMENDATIONS

ASE recommends the following:

- ASE recommends the removal of MW-2, MW-3, MW-7 and MW-8 from the groundwater monitoring program, since no hydrocarbons have been detected in any of these wells for at least 5 years.

- ASE recommends at least one additional soil vapor sampling from SVW-5, as well as a 24-hour indoor air sampling from within the basement of the Mallard Club.

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.

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

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, P.G.
Senior Geologist

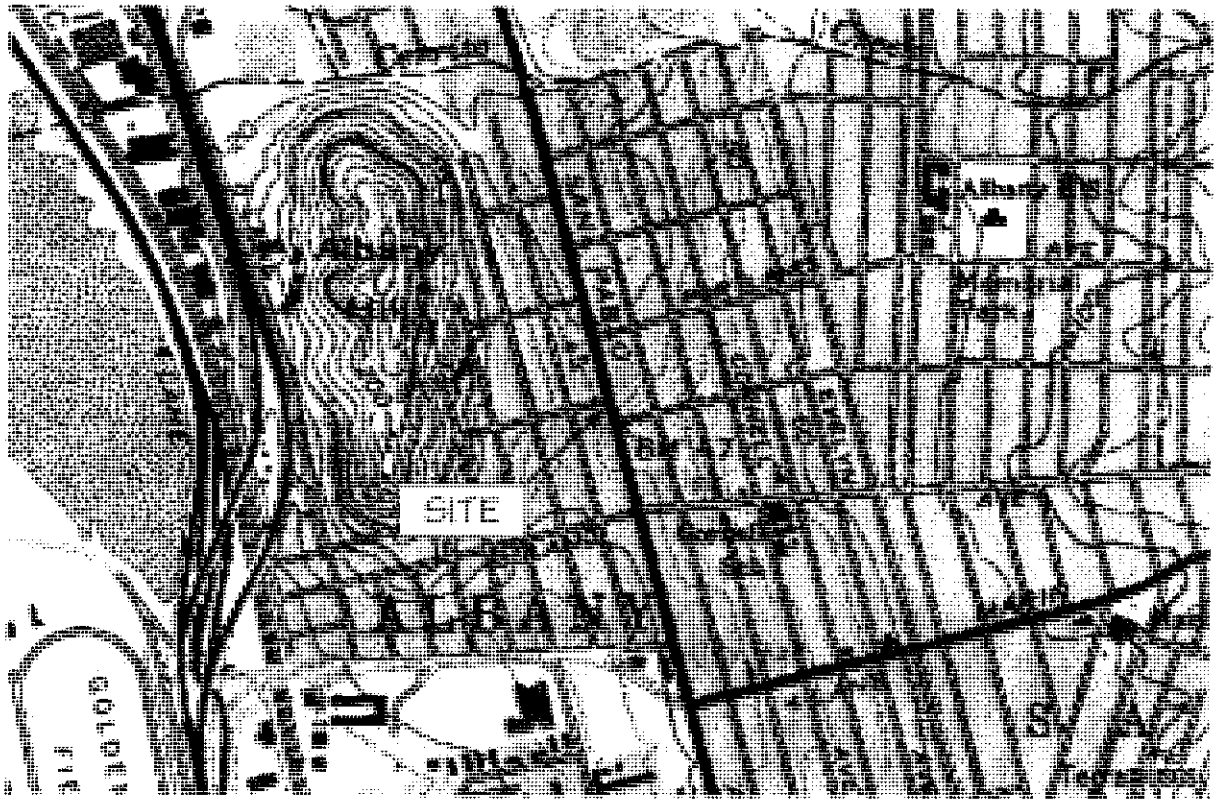
Attachments: Figures 1 through 6
Tables One through Three
Appendices A through C

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

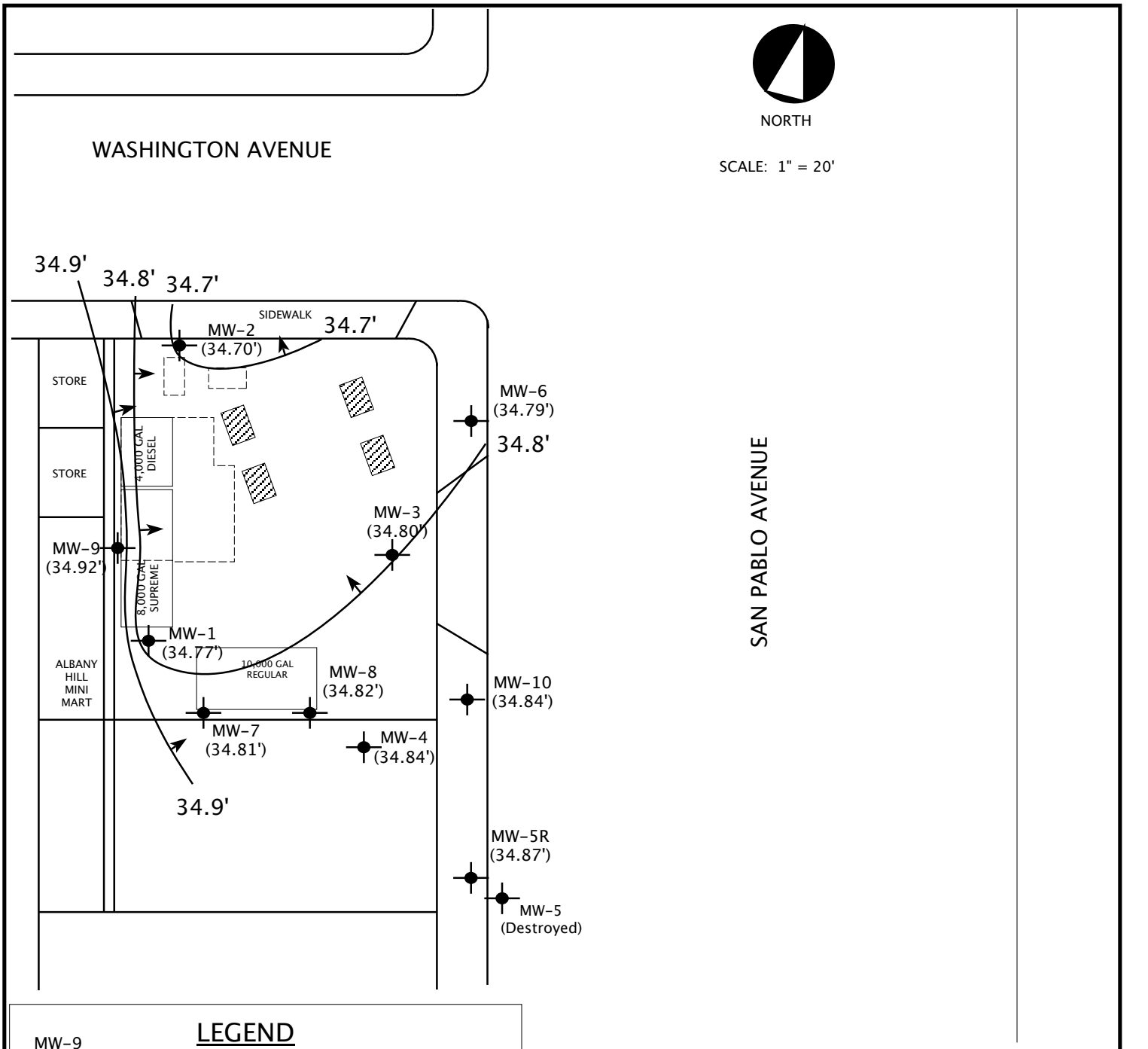
Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

FIGURES

NORTH



LOCATION MAP	
ALBANY HILL MINI MART 800 SAN PABLO AVENUE ALBANY, CALIFORNIA	
AQUA SCIENCE ENGINEERS, INC.	Figure 1



LEGEND

MW-9 (34.92') — MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET

GROUNDWATER ELEVATION CONTOUR LINE WITH FLOW DIRECTION

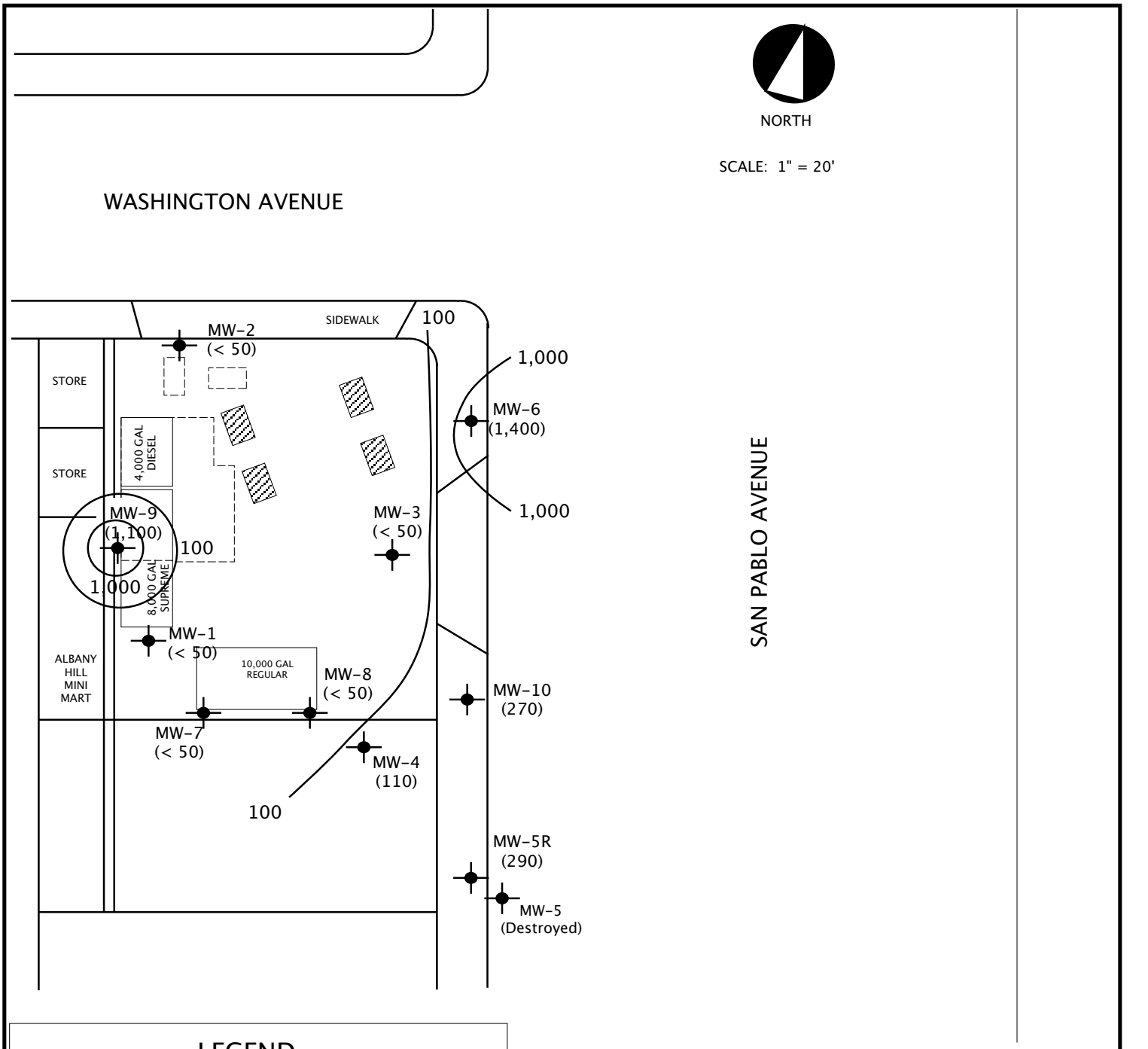
* ANOMALOUS GROUNDWATER ELEVATION: NOT USED FOR CONTOURING

APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

POTENTIOMETRIC SURFACE CONTOUR MAP
OCTOBER 7, 2015

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2



LEGEND

MW-9 (1,100) — MONITORING WELL WITH TPH-G CONCENTRATION IN PPB

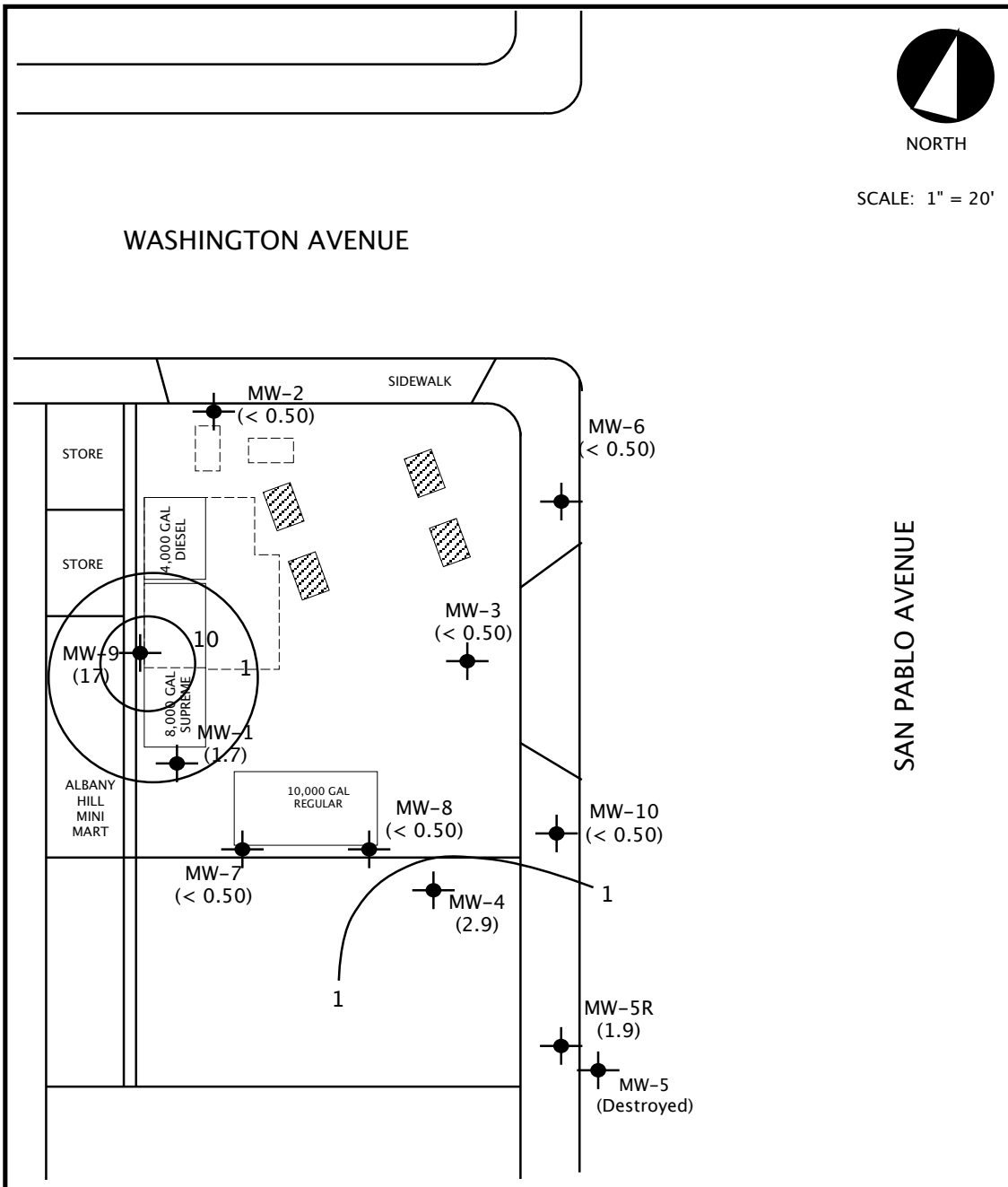
TPH-G CONCENTRATION CONTOUR LINE

APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

TPH-G CONCENTRATION CONTOUR MAP
OCTOBER 7, 2015

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 3



LEGEND

MW-9 (17) — MONITORING WELL WITH BENZENE CONCENTRATION IN PPB

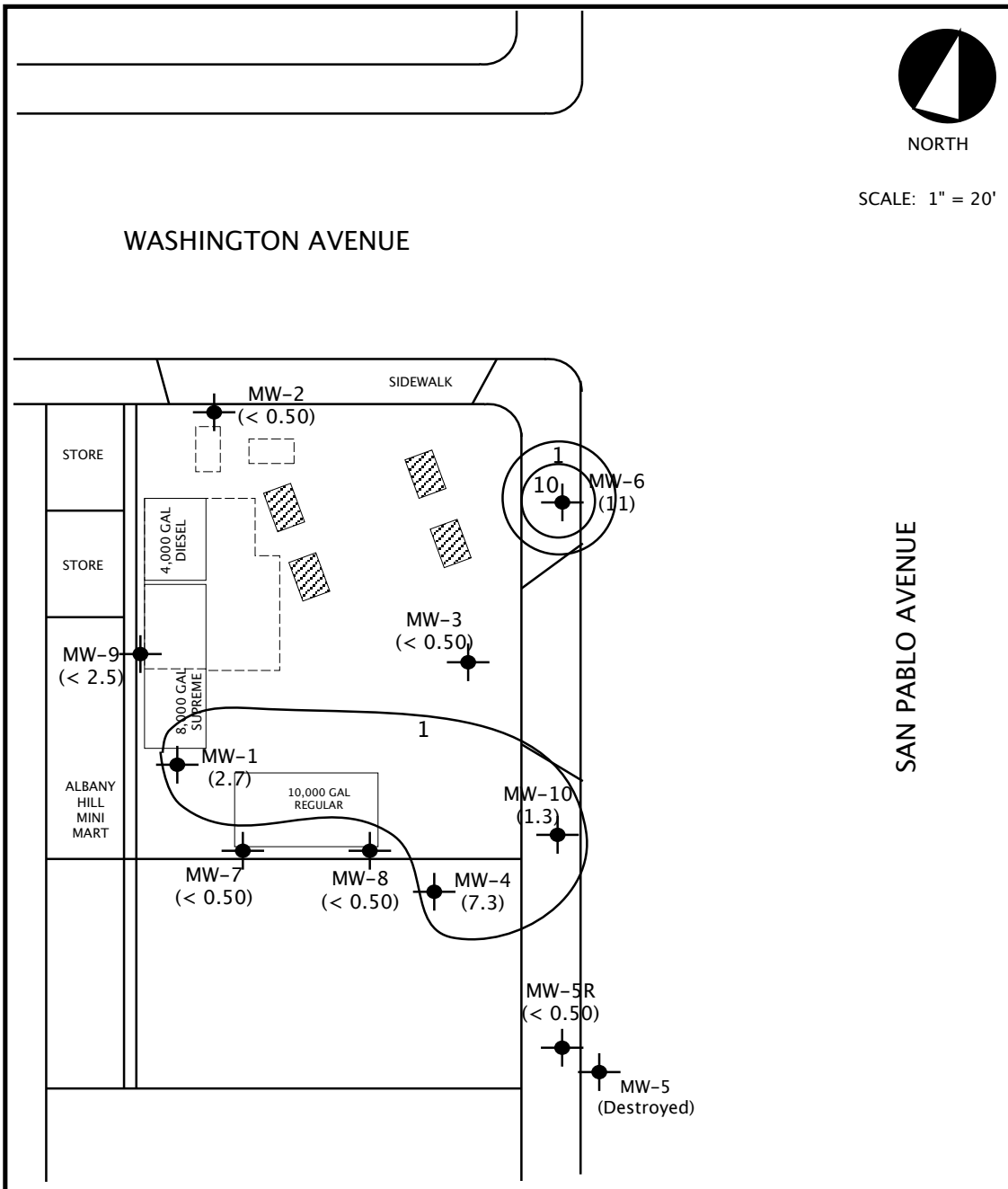
BENZENE CONCENTRATION CONTOUR LINE

APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

BENZENE CONCENTRATION CONTOUR MAP
OCTOBER 7, 2015

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 4



LEGEND

MW-9 (< 2.5) — MONITORING WELL WITH MTBE CONCENTRATION IN PPB

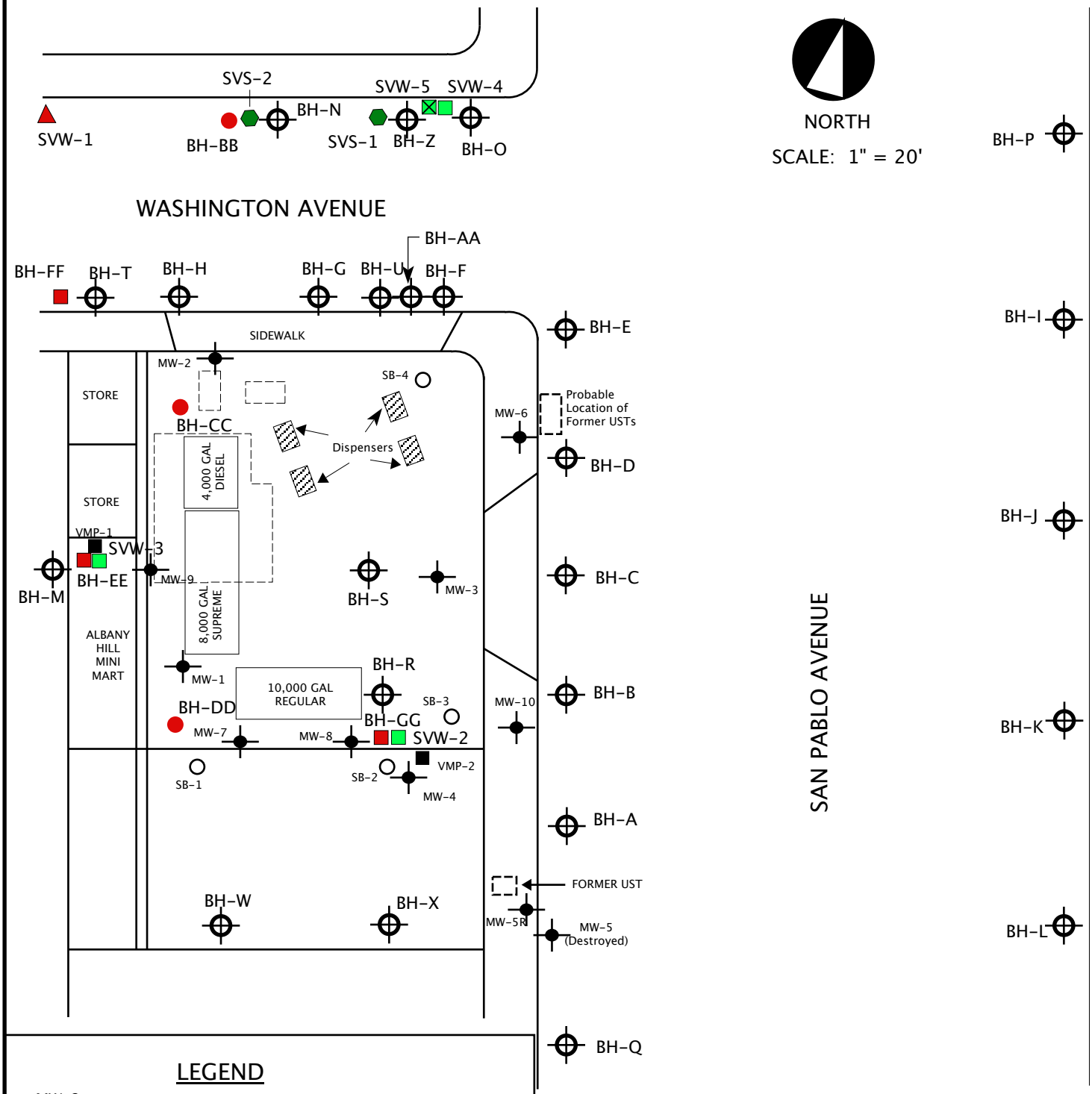
MTBE CONCENTRATION CONTOUR LINE

APPROXIMATE FORMER UST LOCATION AND AREA OF EXCAVATION

MTBE CONCENTRATION CONTOUR MAP
OCTOBER 7, 2015

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 5



LEGEND

- MW-2 — MONITORING WELL
- SB-2 — AARS SOIL BORING
- BH-A — ASE ADVANCED SOIL BORING
- SOIL VAPOR SURVEY LOCATION
- SOIL VAPOR MONITORING WELL (2/14)
- SOIL BORING/ATTEMPTED VAPOR SAMPLE (2/14)
- SOIL BORING (2/14)
- SOIL VAPOR MONITORING WELL - 5-FEET (6/15)
- SOIL VAPOR MONITORING WELL - 10-FEET (6/15)

SOIL VAPOR WELL LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 6

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TABLES

TABLE ONE

Groundwater Elevation Data

Albany Hill Mini Mart

800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-1	8/6/99	101.68	11.95	89.73
	11/5/99		12.72	88.96
	2/7/00		10.34	91.34
	5/5/00		10.59	91.09
	8/3/00		11.75	89.93
	11/8/00		11.67	90.01
	2/8/01		11.20	90.48
	6/7/01		11.35	90.33
	9/7/01		11.71	89.97
	12/13/01		10.67	91.01
	6/13/02		11.42	90.26
	9/11/02		12.42	89.26
	2/14/03	46.42	10.69	35.73
	9/10/04		13.83	32.59
	12/7/04		12.18	34.24
	4/18/05		9.92	36.50
	6/20/05		10.64	35.78
	10/7/05		12.42	34.00
	12/7/05		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**

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-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**

TABLE ONE

Groundwater Elevation Data

Albany Hill Mini Mart

800 San Pablo Avenue, Albany, CA

Well ID	Date of Measurement	Top of Casing Elevation* (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-3	8/6/99	100.33	10.58	89.75
	11/5/99		11.39	88.94
	2/7/00		9.05	91.28
	5/5/00		9.29	91.04
	8/3/00		10.43	89.90
	11/8/00		10.33	90.00
	2/8/01		9.94	90.39
	6/7/01		10.04	90.29
	9/7/01		10.31	90.02
	12/13/01		9.38	90.95
	6/13/02		10.03	90.30
	9/11/02		11.02	89.31
	2/14/03	45.08	9.40	35.68
	9/10/04		12.51	32.57
	12/7/04		11.86	33.22
	4/18/05		8.49	36.59
	6/20/05		9.34	35.74
	10/7/05		11.11	33.97
	12/7/05		10.22	34.86
	3/6/06	47.49	8.84	38.65
	6/27/06		6.07	41.42
	8/24/06		10.26	37.23
	11/20/06		10.52	36.97
	2/5/07		10.41	37.08
	5/7/07		9.57	37.92
	8/3/07		11.06	36.43
	12/5/07		11.26	36.23
	2/25/08		8.33	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**

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-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**

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**

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**

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**

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**

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**

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**

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**

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**

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-3	8/6/99	ND	ND	ND	ND	ND	ND	--	--	ND	--
	11/5/99	92	54	ND	ND	0.6	1.7	--	--	ND	--
	2/7/00	120	71	ND	0.6	0.8	2.2	--	--	ND	--
	5/7/00	100	68	ND	ND	0.7	1.9	--	--	ND	--
	8/3/00	910	300*	220	9.0	35	16	--	--	11,000**	--
	11/8/00	990	200	320	0.8	18	9	--	--	8,000	--
	2/8/01	990	110	180	21.0	7	24	--	--	5,200**	--
	6/7/01	370	140	62	4.0	8	13	--	--	6.600**	--
	9/7/01	460	ND	87	1.0	11	25	--	--	9,400**	--
	12/13/01	251	ND	66.8	0.9	2.6	8.4	--	--	6,610	--
	6/13/02	3,630	< 50	41	60.0	41	187	--	--	8,820**	--
	11/11/02	6,210	< 50	150	< 1	5	< 3	--	--	7,770	--
	2/14/03	176	< 50	31	< 1	2	< 3	--	--	5,040	--
	9/10/04	< 1,000	140	110	< 10	< 10	21	20	200	4,400	< 10
	12/7/04	1,000	150	310	19.0	24	50	21	< 100	4,000	< 10
	4/18/05	750	150	170	16.0	33	36	6.1	< 50	1,700	< 5.0
	6/20/05	680	120	140	9.7	20	38	7.4	< 20	1,900	< 4.0
	10/7/05	630	160	140	10.0	11	34	9.2	<20	2,000	< 4.0
	12/7/05	550	200	128	6.4	7.2	10	11	56	2,400	< 4.0
	3/6/06	88	36	< 2.0	5.3	2.1	4.2	13	1,000	1,000	< 2.0
	6/27/06	7,400	< 1,500	2,800	12	190	56	9.8	110	760	< 4.0
	8/24/06	< 400	130	24	< 4.0	< 4.0	14	9.0	40	2,800	< 4.0
	11/20/06	< 400	< 50	42	< 4.0	4.4	8.7	7.3	71	1,700	< 4.0
	2/5/07	440	< 50	110	4.2	< 4.0	16	7.3	39	1,600	< 4.0
	5/25/07	240	< 50	52	4.3	4.3	18	4.3	140	1,100	< 2.0
	8/3/07	500	< 50	190	7.2	12	40	4.4	320	860	< 1.5
	12/5/07	< 150	< 50	< 1.5	< 1.5	< 1.5	< 1.5	5.1	280	1,200	< 1.5
	2/25/08	< 200	< 50	< 2.0	< 2.0	< 2.0	< 2.0	5.0	13	1,300	< 2.0
	5/20/08	< 50	< 50	2.5	< 0.50	< 0.50	< 0.50	< 0.50	6.7	200	0.54 DIPE
	8/22/08	< 50	< 50	1.5	< 0.50	< 0.50	< 0.50	0.64	6.9	380	< 0.50
	12/10/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	7.2	< 0.50
	3/20/09	< 50	< 50	0.61	< 0.50	< 0.50	< 0.50	< 0.50	7.7	14	< 0.50
	6/4/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4.0	< 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	26	< 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	2.9	< 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**

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**

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**

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**

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**

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.	Inaccessable				
	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	< 5.0	130	< 0.50
	5/20/08	< 50	< 50	< 0.50	< 0.50	< 0.50	1.5	< 0.50	< 5.0	6.1	< 0.50
	8/22/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	12/10/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	3/20/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	6/4/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50
	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**

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**

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.	Inaccessable				
	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**
ESL		100	100	1.0	40	30	20	NE	12	5.0	Varies

Notes:

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

* Does not match diesel pattern

** Confirmed by GC/MS method 8260

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2008)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region for sites where groundwater is a current or potential source of

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.

TABLE THREE

Summary of Analytical Results of Soil Vapor Samples
Petroleum Hydrocarbons, Atmospheric Gases and Helium
Albany Hill Mini Mart, 800 San Pablo Avenue, Albany, California

Sample Location	Sample Depth (ft)	Date Sampled	TPH Gasoline (ug/m3)	Benzene (ug/m3)	Toluene (ug/m3)	Ethyl Benzene (ug/m3)	m,p-Xylenes (ug/m3)	o' Xylenes (ug/m3)	Total Xylenes (ug/m3)	Naphthalene (ug/m3)	TBA (ug/m3)	Oxygen (%)	Nitrogen (%)	Carbon Dioxide (%)	Methane (%)	Helium (%)
SVS-1	5	8/2/12	**24,000**	**12**	**86**	< 8.7	**28**	**9.4**	---	---	---	**16**	**84**	**0.42**	**0.0037**	< 0.34
SVS-2	5	8/2/12	**1,100,000**	**440**	**55**	< 37	< 37	< 37	---	---	---	**18**	**81**	**0.24**	**0.51**	< 0.086
VMP-1	1.5	8/2/12	**970**	< 2.7	< 3.2	< 3.6	< 3.6	< 3.6	---	---	---	**21**	**79**	**0.14**	< 0.00029	< 0.15
VMP-2	1.5	8/2/12	**950**	< 2.5	< 2.9	< 3.4	< 3.4	< 3.4	---	---	---	**16**	**79**	**5.0**	< 0.00026	< 0.13
SVW-1	5	2/25/14	**11,000**	**20**	**120**	**20**	**71**	**20**	---	< 10		**20**	**80**	**0.42**	**0.036**	< 0.12
	5	7/1/15	Laboratory issue resulted in this sample being considered invalid													
	5	10/7/15	**1,300**	**4.1**	**12**	< 2.8	---	---	**13**	**9.2**	< 39	**10**	---	**3.6**	**0.0015**	< 0.063
SVW-2	5	6/30/15	**8,500**	**74**	**180**	**60**	---	---	**170**	< 7.0	< 41	**40**	---	**0.11**	**0.00049**	**0.060**
SVW-3	5	6/30/15	**3,100**	**27**	**120**	**35**	---	---	**190**	< 5.3	**43**	**15**	---	**0.080**	**0.00022**	**1.7**
SVW-4	5	6/30/15	**11,000**	**17**	**41**	**49**	---	---	**390**	< 11	< 62	**30**	---	**0.52**	**0.011**	< 0.050
SVW-5	10	6/30/15	**190,000**	**12,000**	**210**	**320**	---	---	**< 150**	< 120	< 720	**35**	---	**0.15**	**0.0053**	< 0.050
	10	10/7/15	**4,700,000**	**20,000**	**< 1,700**	**10,000**	---	---	**< 1700**	< 1700	< 17,000	**3.8**	---	**3.1**	**0.074**	< 1.7
ESL (Residential)			300,000	42	16,000	490	52,000	52,000	52000	36	NE	NE	NE	NE	NE	NE
ESL (Commercial)			2,500,000	420	1,300,000	4,900	440,000	440,000	440000	360	NE	NE	NE	NE	NE	NE
Low-Risk Soil Gas Criteria (With bioattenuation zonel)																
Residential			NE	85,000	NE	280,000	NE	NE	NE	93,000	NE	NE	NE	NE	NE	NE
Commercial			NE	280,000	NE	3,600,000	NE	NE	NE	310,000	NE	NE	NE	NE	NE	NE

Notes:

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations in **BOLD**

ESL = Environmental Screening Levels presented in the "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) dated December 2013.

Low-Risk Soil Gas Criteria is from Appendix 4, Scenario 4 - Direct Measurement of Soil Gas Concentrations with Bioattenuation zone from the State Water Resources Control Board, Low-Threat Underground Storage Tank Case Closure Policy, 2012.

NE = Not established

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APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-1 SAMPLER RK DA

TOTAL DEPTH OF WELL 24.2 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 14.05 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.15

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1335 TIME EVACUATION COMPLETED 1350

TIME SAMPLES WERE COLLECTED 1405

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT GRAY ODOR/SEDIMENT NO / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.1	6.9	1150
2	19.1	6.8	1170
3	19.0	6.8	1160

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-2 SAMPLER RK DA

TOTAL DEPTH OF WELL 24.8 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 13.01 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 11.79

NUMBER OF GALLONS PER WELL CASING VOLUME 1.9

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.6

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1425 TIME EVACUATION COMPLETED 1440

TIME SAMPLES WERE COLLECTED 1445

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.6

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.0	7.1	720
2	20.1	7.0	700
3	20.2	7.1	710

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-3 SAMPLER RK DA

TOTAL DEPTH OF WELL 23.8 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 12.69 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 11.11

NUMBER OF GALLONS PER WELL CASING VOLUME 1.7

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.3

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1200 TIME EVACUATION COMPLETED 1215

TIME SAMPLES WERE COLLECTED 1220

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.3

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.7	6.8	620
2	20.8	6.9	630
3	20.9	6.8	640

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-4 SAMPLER RK DA

TOTAL DEPTH OF WELL 24.5 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 12.77 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 11.73

NUMBER OF GALLONS PER WELL CASING VOLUME 1.9

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.7

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1245 TIME EVACUATION COMPLETED 1300

TIME SAMPLES WERE COLLECTED 1310

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.7

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT GRAY ODOR/SEDIMENT NO / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.3	7.1	660
2	20.4	7.2	650
3	20.4	7.2	660

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-5R SAMPLER RK DA

TOTAL DEPTH OF WELL 19.58 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 12.49 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 7.09

NUMBER OF GALLONS PER WELL CASING VOLUME 1.13

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3.4

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 0825 TIME EVACUATION COMPLETED 0835

TIME SAMPLES WERE COLLECTED 0840

DID WELL GO DRY NO AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED 3.4

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT GRAY ODOR/SEDIMENT SL HC / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	21.4	6.1	900
2	21.5	6.0	950
3	21.6	6.1	950

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5R	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-6 SAMPLER RK DA

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 11.48 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 13.22

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

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 0945 TIME EVACUATION COMPLETED 1000

TIME SAMPLES WERE COLLECTED 1001

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.3

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	21.1	6.7	960
2	21.3	6.8	960
3	21.3	6.7	950

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-7 SAMPLER RK DA

TOTAL DEPTH OF WELL 24.7 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 13.55 TIME OF MEASUREMENT

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER 11.15

NUMBER OF GALLONS PER WELL CASING VOLUME 1.8

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.4

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1100 TIME EVACUATION COMPLETED 1115

TIME SAMPLES WERE COLLECTED 1120

DID WELL GO DRY NO AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED 5.4

SAMPLING DEVICE ~~NEW DISPOSABLE BAILER~~

SAMPLE COLOR LT BRN ODOR/SEDIMENT N2/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.8	7.1	650
2	19.9	7.2	660
3	19.4	7.1	660

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	5	40ml VOAS	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-8 SAMPLER RK DA

TOTAL DEPTH OF WELL 19.1 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 13.17 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 5.93

NUMBER OF GALLONS PER WELL CASING VOLUME .94

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 28

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 1040 TIME EVACUATION COMPLETED 1050

TIME SAMPLES WERE COLLECTED 1055

DID WELL GO DRY NO AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED 3

SAMPLING DEVICE ~~NEW DISPOSABLE BAILER~~

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.4	7.2	+/-
2	19.5	7.3	700
3	19.5	7.2	700

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-8	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALBANY HILL MINI MART

JOB NUMBER 3934 DATE OF SAMPLING 10-7-15

WELL ID. MW-9 SAMPLER RK DA

TOTAL DEPTH OF WELL 16.8 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 14.32 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 2.48

NUMBER OF GALLONS PER WELL CASING VOLUME .4

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 1.2

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED ~~0805~~ 0805 TIME EVACUATION COMPLETED 0810

TIME SAMPLES WERE COLLECTED 1510

DID WELL GO DRY Y AFTER HOW MANY GALLONS 1

VOLUME OF GROUNDWATER PURGED 1

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR CLEAR ODOR/SEDIMENT MILD HC/NO

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.9	7.1	690
2	20.4	7.1	700
3			

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-9	5	40ml VOAs	8015/8260	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: ALBANY HILL MINI MART

JOB NUMBER: 3934 | DATE OF SAMPLING: 10-7-15

WELL ID.: MW-10 | SAMPLER: RK DA

TOTAL DEPTH OF WELL: 24.7 | WELL DIAMETER: 2"

DEPTH TO WATER PRIOR TO PURGING: 12.06 | TIME OF MEASUREMENT:

PRODUCT THICKNESS:

DEPTH OF WELL CASING IN WATER: 12.64

NUMBER OF GALLONS PER WELL CASING VOLUME: 2

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 6

EQUIPMENT USED TO PURGE WELL: NEW DISPOSABLE BAILER

TIME EVACUATION STARTED: 0900 | TIME EVACUATION COMPLETED: 0915

TIME SAMPLES WERE COLLECTED: 0920

DID WELL GO DRY: NO | AFTER HOW MANY GALLONS:

VOLUME OF GROUNDWATER PURGED: 6

SAMPLING DEVICE: NEW DISPOSABLE BAILER

SAMPLE COLOR: LT BRN | ODOR/SEDIMENT: NO / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	20.8	6.6	1203
2	20.9	6.7	1240
3	20.9	6.7	1260

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-10	5	40ml VOAS	8015/8260	HCl

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APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation
For Groundwater Samples

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1510300

Report Created for: Aqua Science Engineers, Inc.

55 Oak Court Suite 220
Danville, CA 94526

Project Contact: Dave Allen
Project P.O.:
Project Name: 3934; AHMM

Project Received: 10/08/2015

Analytical Report reviewed & approved for release on 10/15/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3934; AHMM
WorkOrder: 1510300

Glossary Abbreviation

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
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
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
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3934; AHMM
WorkOrder: 1510300

Analytical Qualifiers

a3	sample diluted due to high organic content.
b1	aqueous sample that contains greater than ~1 vol. % sediment
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e11	stoddard solvent/mineral spirit (?)

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1	1510300-001B	Water	10/07/2015 14:05	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/12/2015 12:41

Surrogates	REC (%)	Limits	
Dibromofluoromethane	101	70-130	10/12/2015 12:41

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1510300-002B	Water	10/07/2015 14:45	GC28	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/13/2015 16:00

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	70-130	10/13/2015 16:00

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	1510300-003B	Water	10/07/2015 12:20	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/12/2015 21:15

Surrogates	REC (%)	Limits	
Dibromofluoromethane	98	70-130	10/12/2015 21:15

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	1510300-004B	Water	10/07/2015 13:10	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**110**	50	1	10/12/2015 21:56

Surrogates	REC (%)	Limits	
Dibromofluoromethane	96	70-130	10/12/2015 21:56

Analyst(s): KF Analytical Comments: b1

(Cont.)

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5R	1510300-005B	Water	10/07/2015 08:40	GC28	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**290**	50	1	10/13/2015 16:39

Surrogates	REC (%)	Limits	
Dibromofluoromethane	82	70-130	10/13/2015 16:39

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1510300-006B	Water	10/07/2015 10:05	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1400**	50	1	10/12/2015 23:18

Surrogates	REC (%)	Limits	
Dibromofluoromethane	98	70-130	10/12/2015 23:18

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1510300-007B	Water	10/07/2015 11:20	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/12/2015 23:59

Surrogates	REC (%)	Limits	
Dibromofluoromethane	99	70-130	10/12/2015 23:59

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	1510300-008B	Water	10/07/2015 10:35	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/13/2015 00:40

Surrogates	REC (%)	Limits	
Dibromofluoromethane	100	70-130	10/13/2015 00:40

Analyst(s): KF Analytical Comments: b1

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-9	**1510300-009B**	**Water**	**10/07/2015 15:10**	**GC10**	**111435**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1100**	50	1	10/13/2015 01:21

Surrogates	REC (%)	Limits	
Dibromofluoromethane	97	70-130	10/13/2015 01:21

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-10	**1510300-010B**	**Water**	**10/07/2015 09:20**	**GC10**	**111435**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**270**	50	1	10/13/2015 02:03

Surrogates	REC (%)	Limits	
Dibromofluoromethane	99	70-130	10/13/2015 02:03

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1	1510300-001B	Water	10/07/2015 14:05	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 12:41
Benzene	**1.7**	0.50	1	10/12/2015 12:41
t-Butyl alcohol (TBA)	ND	2.0	1	10/12/2015 12:41
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 12:41
Ethylbenzene	ND	0.50	1	10/12/2015 12:41
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 12:41
Methyl-t-butyl ether (MTBE)	**2.7**	0.50	1	10/12/2015 12:41
Naphthalene	ND	0.50	1	10/12/2015 12:41
Toluene	ND	0.50	1	10/12/2015 12:41
Xylenes, Total	ND	0.50	1	10/12/2015 12:41

Surrogates	REC (%)	Limits	
Dibromofluoromethane	90	70-130	10/12/2015 12:41
Toluene-d8	81	70-130	10/12/2015 12:41
4-BFB	94	70-130	10/12/2015 12:41

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1510300-002B	Water	10/07/2015 14:45	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 13:22
Benzene	ND	0.50	1	10/12/2015 13:22
t-Butyl alcohol (TBA)	ND	2.0	1	10/12/2015 13:22
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 13:22
Ethylbenzene	ND	0.50	1	10/12/2015 13:22
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 13:22
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/12/2015 13:22
Naphthalene	ND	0.50	1	10/12/2015 13:22
Toluene	ND	0.50	1	10/12/2015 13:22
Xylenes, Total	ND	0.50	1	10/12/2015 13:22

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	70-130	10/12/2015 13:22
Toluene-d8	81	70-130	10/12/2015 13:22
4-BFB	91	70-130	10/12/2015 13:22

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	1510300-003B	Water	10/07/2015 12:20	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 21:15
Benzene	ND	0.50	1	10/12/2015 21:15
t-Butyl alcohol (TBA)	ND	2.0	1	10/12/2015 21:15
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 21:15
Ethylbenzene	ND	0.50	1	10/12/2015 21:15
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 21:15
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/12/2015 21:15
Naphthalene	ND	0.50	1	10/12/2015 21:15
Toluene	ND	0.50	1	10/12/2015 21:15
Xylenes, Total	ND	0.50	1	10/12/2015 21:15

Surrogates	REC (%)	Limits	
Dibromofluoromethane	87	70-130	10/12/2015 21:15
Toluene-d8	84	70-130	10/12/2015 21:15
4-BFB	93	70-130	10/12/2015 21:15

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	1510300-004B	Water	10/07/2015 13:10	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 21:56
Benzene	**2.9**	0.50	1	10/12/2015 21:56
t-Butyl alcohol (TBA)	**2.5**	2.0	1	10/12/2015 21:56
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 21:56
Ethylbenzene	ND	0.50	1	10/12/2015 21:56
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 21:56
Methyl-t-butyl ether (MTBE)	**7.3**	0.50	1	10/12/2015 21:56
Naphthalene	ND	0.50	1	10/12/2015 21:56
Toluene	ND	0.50	1	10/12/2015 21:56
Xylenes, Total	ND	0.50	1	10/12/2015 21:56

Surrogates	REC (%)	Limits	
Dibromofluoromethane	85	70-130	10/12/2015 21:56
Toluene-d8	81	70-130	10/12/2015 21:56
4-BFB	93	70-130	10/12/2015 21:56

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5R	1510300-005B	Water	10/07/2015 08:40	GC28	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/13/2015 16:39
Benzene	ND	0.50	1	10/13/2015 16:39
t-Butyl alcohol (TBA)	ND	2.0	1	10/13/2015 16:39
Diisopropyl ether (DIPE)	ND	0.50	1	10/13/2015 16:39
Ethylbenzene	ND	0.50	1	10/13/2015 16:39
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/13/2015 16:39
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/13/2015 16:39
Naphthalene	ND	0.50	1	10/13/2015 16:39
Toluene	ND	0.50	1	10/13/2015 16:39
Xylenes, Total	ND	0.50	1	10/13/2015 16:39

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/13/2015 16:39
Toluene-d8	92	70-130	10/13/2015 16:39
4-BFB	103	70-130	10/13/2015 16:39

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1510300-006B	Water	10/07/2015 10:05	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 23:18
Benzene	ND	0.50	1	10/12/2015 23:18
t-Butyl alcohol (TBA)	**2.5**	2.0	1	10/12/2015 23:18
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 23:18
Ethylbenzene	ND	0.50	1	10/12/2015 23:18
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 23:18
Methyl-t-butyl ether (MTBE)	**11**	0.50	1	10/12/2015 23:18
Naphthalene	ND	0.50	1	10/12/2015 23:18
Toluene	ND	0.50	1	10/12/2015 23:18
Xylenes, Total	ND	0.50	1	10/12/2015 23:18

Surrogates	REC (%)	Limits	
Dibromofluoromethane	87	70-130	10/12/2015 23:18
Toluene-d8	82	70-130	10/12/2015 23:18
4-BFB	94	70-130	10/12/2015 23:18

Analyst(s): KF

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1510300-007B	Water	10/07/2015 11:20	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/12/2015 23:59
Benzene	ND	0.50	1	10/12/2015 23:59
t-Butyl alcohol (TBA)	ND	2.0	1	10/12/2015 23:59
Diisopropyl ether (DIPE)	ND	0.50	1	10/12/2015 23:59
Ethylbenzene	ND	0.50	1	10/12/2015 23:59
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/12/2015 23:59
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/12/2015 23:59
Naphthalene	ND	0.50	1	10/12/2015 23:59
Toluene	ND	0.50	1	10/12/2015 23:59
Xylenes, Total	ND	0.50	1	10/12/2015 23:59

Surrogates	REC (%)	Limits	
Dibromofluoromethane	88	70-130	10/12/2015 23:59
Toluene-d8	82	70-130	10/12/2015 23:59
4-BFB	94	70-130	10/12/2015 23:59

Analyst(s): KF Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	1510300-008B	Water	10/07/2015 10:35	GC10	111435

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/13/2015 00:40
Benzene	ND	0.50	1	10/13/2015 00:40
t-Butyl alcohol (TBA)	ND	2.0	1	10/13/2015 00:40
Diisopropyl ether (DIPE)	ND	0.50	1	10/13/2015 00:40
Ethylbenzene	ND	0.50	1	10/13/2015 00:40
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/13/2015 00:40
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/13/2015 00:40
Naphthalene	ND	0.50	1	10/13/2015 00:40
Toluene	ND	0.50	1	10/13/2015 00:40
Xylenes, Total	ND	0.50	1	10/13/2015 00:40

Surrogates	REC (%)	Limits	
Dibromofluoromethane	88	70-130	10/13/2015 00:40
Toluene-d8	82	70-130	10/13/2015 00:40
4-BFB	91	70-130	10/13/2015 00:40

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW5030B
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	SW8260B
Project:	3934; AHMM	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-9	**1510300-009B**	**Water**	**10/07/2015 15:10**	**GC28**	**111435**

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	2.5	5	10/13/2015 17:17
Benzene	**17**	2.5	5	10/13/2015 17:17
t-Butyl alcohol (TBA)	ND	10	5	10/13/2015 17:17
Diisopropyl ether (DIPE)	ND	2.5	5	10/13/2015 17:17
Ethylbenzene	**78**	2.5	5	10/13/2015 17:17
Ethyl tert-butyl ether (ETBE)	ND	2.5	5	10/13/2015 17:17
Methyl-t-butyl ether (MTBE)	ND	2.5	5	10/13/2015 17:17
Naphthalene	**17**	2.5	5	10/13/2015 17:17
Toluene	ND	2.5	5	10/13/2015 17:17
Xylenes, Total	**43**	2.5	5	10/13/2015 17:17

Surrogates	REC (%)	Limits	
Dibromofluoromethane	108	70-130	10/13/2015 17:17
Toluene-d8	94	70-130	10/13/2015 17:17
4-BFB	104	70-130	10/13/2015 17:17

Analyst(s): KF

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-10	**1510300-010B**	**Water**	**10/07/2015 09:20**	**GC10**	**111435**

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/13/2015 02:03
Benzene	ND	0.50	1	10/13/2015 02:03
t-Butyl alcohol (TBA)	ND	2.0	1	10/13/2015 02:03
Diisopropyl ether (DIPE)	ND	0.50	1	10/13/2015 02:03
Ethylbenzene	ND	0.50	1	10/13/2015 02:03
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/13/2015 02:03
Methyl-t-butyl ether (MTBE)	**1.3**	0.50	1	10/13/2015 02:03
Naphthalene	ND	0.50	1	10/13/2015 02:03
Toluene	ND	0.50	1	10/13/2015 02:03
Xylenes, Total	ND	0.50	1	10/13/2015 02:03

Surrogates	REC (%)	Limits	
Dibromofluoromethane	88	70-130	10/13/2015 02:03
Toluene-d8	81	70-130	10/13/2015 02:03
4-BFB	94	70-130	10/13/2015 02:03

Analyst(s): KF Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW3510C/3630C
Date Prepared:	10/8/15	**Analytical Method:**	SW8015B
Project:	3934; AHMM	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1	1510300-001A	Water	10/07/2015 14:05	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**84**	50	1	10/09/2015 18:59

Surrogates	REC (%)	Limits	
C9	102	70-130	10/09/2015 18:59

Analyst(s): TK Analytical Comments: e2,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1510300-002A	Water	10/07/2015 14:45	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/09/2015 21:46

Surrogates	REC (%)	Limits	
C9	99	70-130	10/09/2015 21:46

Analyst(s): TK Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	1510300-003A	Water	10/07/2015 12:20	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/10/2015 00:34

Surrogates	REC (%)	Limits	
C9	102	70-130	10/10/2015 00:34

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	1510300-004A	Water	10/07/2015 13:10	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/10/2015 03:22

Surrogates	REC (%)	Limits	
C9	101	70-130	10/10/2015 03:22

Analyst(s): TK Analytical Comments: b1

(Cont.)

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW3510C/3630C
Date Prepared:	10/8/15	**Analytical Method:**	SW8015B
Project:	3934; AHMM	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5R	1510300-005A	Water	10/07/2015 08:40	GC9a	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**51**	50	1	10/09/2015 17:55
Surrogates	**REC (%)**	**Limits**		
C9	100	70-130		10/09/2015 17:55

Analyst(s): TK Analytical Comments: e2,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1510300-006A	Water	10/07/2015 10:05	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**560**	100	1	10/10/2015 13:09
Surrogates	**REC (%)**	**Limits**		
C9	105	70-130		10/10/2015 13:09

Analyst(s): TK Analytical Comments: e11

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1510300-007A	Water	10/07/2015 11:20	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/10/2015 07:33
Surrogates	**REC (%)**	**Limits**		
C9	103	70-130		10/10/2015 07:33

Analyst(s): TK Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	1510300-008A	Water	10/07/2015 10:35	GC2B	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/10/2015 10:20
Surrogates	**REC (%)**	**Limits**		
C9	104	70-130		10/10/2015 10:20

Analyst(s): TK Analytical Comments: b1

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Received:	10/8/15 21:10	**Extraction Method:**	SW3510C/3630C
Date Prepared:	10/8/15	**Analytical Method:**	SW8015B
Project:	3934; AHMM	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-9	1510300-009A	Water	10/07/2015 15:10	GC11A	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**160**	50	1	10/12/2015 13:56

Surrogates	REC (%)	Limits	
C9	101	70-130	10/12/2015 13:56

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-10	1510300-010A	Water	10/07/2015 09:20	GC9b	111307

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	100	1	10/09/2015 16:43

Surrogates	REC (%)	Limits	
C9	95	70-130	10/09/2015 16:43

Analyst(s): TK Analytical Comments: a3,b1

CLIENT: Aqua Science Engineers, Inc.
Work Order: 1510300
Project: 3934; AHMM

ANALYTICAL QC SUMMARY REPORT

BatchID: 111435

SampleID **MB-111435**	TestCode: **8260GAS_W**			Units: **µg/L**		Prep Date: **10/12/2015**			
Batch ID: **111435**	TestNo: **SW8260B**			Run ID: **GC10_151013B**		Analysis Date: **10/12/2015**			
Analyte	Result	PQL	SPKValue	SPKRefVal	%REC	Limits	RPDRefVal	%RPD	RPDLimit	Qual
TPH(g)	ND	50	0	0	0	0 - 0				
Surrogate Recovery										
Dibromofluoromethane	24.1		25		96	70 - 130				

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

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

CLIENT: Aqua Science Engineers, Inc.
Work Order: 1510300
Project: 3934; AHMM

ANALYTICAL QC SUMMARY REPORT

BatchID: 111435

SampleID	**LCS-111435**	TestCode:	**8260GAS_W**	Units:	**µg/L**	Prep Date:	**10/12/2015**
Batch ID:	**111435**	TestNo:	**SW8260B**	Run ID:	**GC10_151013B**	Analysis Date:	**10/12/2015**

Analyte	Result	PQL	SPKValue	SPKRefVal	%REC	Limits	RPDRefVal	%RPD	RPDLimit	Qual
VOC (C6-C12)	602	50	644	0	94	75 - 105				
Surrogate Recovery										
Dibromofluoromethane	25.9		25		104	70 - 130				

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

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Prepared:	10/12/15	**BatchID:**	111435
Date Analyzed:	10/12/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3934; AHMM	**Sample ID:**	MB/LCS-111435 1510300-002BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	9.78	0.50	10	-	98	54-140
Benzene	ND	10.5	0.50	10	-	105	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	39.0	2.0	40	-	98	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.63	0.50	10	-	96	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	8.96	0.50	10	-	90	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	10.3	0.50	10	-	103	66-125
1,1-Dichloroethene	ND	9.64	0.50	10	-	96	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Prepared:	10/12/15	**BatchID:**	111435
Date Analyzed:	10/12/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3934; AHMM	**Sample ID:**	MB/LCS-111435 1510300-002BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	9.66	0.50	10	-	97	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	9.72	0.50	10	-	97	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	9.60	0.50	10	-	96	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	9.10	0.50	10	-	91	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.90	0.50	10	-	99	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Prepared:	10/12/15	**BatchID:**	111435
Date Analyzed:	10/12/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3934; AHMM	**Sample ID:**	MB/LCS-111435 1510300-002BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	21.3	22.9		25	85	92	70-130
Toluene-d8	20.5	20.6		25	82	82	70-130
4-BFB	2.25	2.32		2.5	90	93	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)	10.5	11.8	10	ND	105	118	69-139	11.7	20
Benzene	11.1	12.3	10	ND	111	123	69-141	10.5	20
t-Butyl alcohol (TBA)	47.0	52.8	40	ND	117	132	41-152	11.6	20
Chlorobenzene	9.64	10.6	10	ND	96	106	77-120	9.13	20
1,2-Dibromoethane (EDB)	9.32	10.5	10	ND	93	105	76-135	11.8	20
1,2-Dichloroethane (1,2-DCA)	11.1	12.4	10	ND	111	124	73-139	10.3	20
1,1-Dichloroethene	10.3	11.4	10	ND	103	114	59-140	10.2	20
Diisopropyl ether (DIPE)	10.2	11.3	10	ND	102	113	72-140	10.3	20
Ethyl tert-butyl ether (ETBE)	10.4	11.6	10	ND	104	116	71-140	10.3	20
Methyl-t-butyl ether (MTBE)	10.7	11.8	10	ND	106	116	73-139	9.23	20
Toluene	9.04	9.94	10	ND	90	99	71-128	9.43	20
Trichloroethene	10.4	11.5	10	ND	104	115	64-132	10.0	20
Surrogate Recovery									
Dibromofluoromethane	22.8	22.7	25		91	91	70-130	0	20
Toluene-d8	20.1	20.0	25		80	80	70-130	0	20
4-BFB	2.30	2.32	2.5		92	93	70-130	0.653	20

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510300
Date Prepared:	10/8/15	**BatchID:**	111307
Date Analyzed:	10/9/15	**Extraction Method:**	SW3510C/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	3934; AHMM	**Sample ID:**	MB/LCS-111307

QC Report for SW8015B w/SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	707	50	1000	-	71	59-151
TPH-Motor Oil (C18-C36)	ND	-	250	-	-	-	-
Surrogate Recovery							
C9	513	511		625	82	82	65-122

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Pittsburg, CA 94565-1701
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510300 **ClientCode: ASED**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

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

Email: dallen@aquascienceengineers.com
cc/3rd Party:
PO:
ProjectNo: 3934; AHMM

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

Requested TAT: **5 days;**

Date Received: **10/08/2015**
Date Printed: **10/08/2015**

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
1510300-001	MW-1	Water	10/7/2015 14:05	☐	B	B	A	A								
1510300-002	MW-2	Water	10/7/2015 14:45	☐	B	B		A								
1510300-003	MW-3	Water	10/7/2015 12:20	☐	B	B		A								
1510300-004	MW-4	Water	10/7/2015 13:10	☐	B	B		A								
1510300-005	MW-5R	Water	10/7/2015 8:40	☐	B	B		A								
1510300-006	MW-6	Water	10/7/2015 10:05	☐	B	B		A								
1510300-007	MW-7	Water	10/7/2015 11:20	☐	B	B		A								
1510300-008	MW-8	Water	10/7/2015 10:35	☐	B	B		A								
1510300-009	MW-9	Water	10/7/2015 15:10	☐	B	B		A								
1510300-010	MW-10	Water	10/7/2015 9:20	☐	B	B		A								

Test Legend:

1	8260GAS_W	2	8260VOC_W	3	PREDF REPORT	4	TPH(D)WSG_W
5		6		7		8	
9		10		11		12	

The following SampIDs: 001B, 002B, 003B, 004B, 005B, 006B, 007B, 008B, 009B, 010B contain testgroup.

Prepared by: Agustina Venegas

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.

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WORK ORDER SUMMARY

Client Name: AQUA SCIENCE ENGINEERS, INC. **QC Level:** LEVEL 2 **Work Order:** 1510300
Project: 3934; AHMM **Client Contact:** Dave Allen **Date Received:** 10/8/2015
Comments: **Contact's Email:** dallen@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
1510300-001A	MW-1	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 14:05	5 days	5%+	☐	
1510300-001B	MW-1	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 14:05	5 days	5%+	☐	
1510300-002A	MW-2	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 14:45	5 days	5%+	☐	
1510300-002B	MW-2	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 14:45	5 days	5%+	☐	
1510300-003A	MW-3	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 12:20	5 days	Present	☐	
1510300-003B	MW-3	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 12:20	5 days	Present	☐	
1510300-004A	MW-4	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 13:10	5 days	5%+	☐	
1510300-004B	MW-4	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 13:10	5 days	5%+	☐	
1510300-005A	MW-5R	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 8:40	5 days	5%+	☐	
1510300-005B	MW-5R	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 8:40	5 days	5%+	☐	
1510300-006A	MW-6	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 10:05	5 days	Present	☐	
1510300-006B	MW-6	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 10:05	5 days	Present	☐	
1510300-007A	MW-7	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 11:20	5 days	5%+	☐	
1510300-007B	MW-7	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 11:20	5 days	5%+	☐	

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.

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WORK ORDER SUMMARY

Client Name: AQUA SCIENCE ENGINEERS, INC. **QC Level:** LEVEL 2 **Work Order:** 1510300

Project: 3934; AHMM **Client Contact:** Dave Allen **Date Received:** 10/8/2015

Comments: **Contact's Email:** dallen@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
1510300-008A	MW-8	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 10:35	5 days	5%+	☐	
1510300-008B	MW-8	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 10:35	5 days	5%+	☐	
1510300-009A	MW-9	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 15:10	5 days	Present	☐	
1510300-009B	MW-9	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 15:10	5 days	Present	☐	
1510300-010A	MW-10	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	VOA w/ HCl	☐	10/7/2015 9:20	5 days	5%+	☐	
1510300-010B	MW-10	Water	TPH(g) & 8260 (Misc. Compounds) by P&T GCMS	3	VOA w/ HCl	☐	10/7/2015 9:20	5 days	5%+	☐	

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.

1510300

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

Chain of Custody

PAGE 1 of 1

SAMPLER (SIGNATURE) D. Allen

PROJECT NAME AH MM JOB NO. 3934

ADDRESS 800 SAN PABLO AVE, ALBANY

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015) w/ SILICA GEL CLEANUP	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	ORGANOCHLORINATED HERBICIDES (EPA 8151A)	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 + NAPTHALENE (EPA 8260)	ARSENIC, LEAD & MERCURY (EPA 6010)	COMPOSITE	EDF	HOLD
MW-1	10/7/15	1405				✓											✓			✓	
MW-2		1445				✓											✓			✓	
MW-3		1220				✓											✓			✓	
MW-4		1310				✓											✓			✓	
MW-5R		0840				✓											✓			✓	
MW-6		1005				✓				3-8							✓			✓	
MW-7		1120				✓											✓			✓	
MW-8		1035				✓											✓			✓	
MW-9		1510				✓											✓			✓	
MW-10		0920				✓											✓			✓	

GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION
VOAS | O&G | METALS | OTHER
APPROPRIATE CONTAINERS
PRESERVED IN LAB

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
(signature) (time) D. Allen	(signature) (time) 1525	(signature) (time) 1650	(signature) (time) Agustina V. 1650
(printed name) (date) D. Allen 10/8/15	(printed name) (date) B+S LAB 10/8/15	(printed name) (date) Agustina V. 10/8	(printed name) (date) Agustina V. 10/8
Company-ASE, INC.	Company- MAI	Company-	Company- MAI

COMMENTS:

TURN AROUND TIME
STANDARD 24Hr 48Hr 72Hr
OTHER:

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Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.** Date and Time Received: **10/8/2015 9:10:31 PM**

Project Name: **3934; AHMM** LogIn Reviewed by: Agustina Venegas

WorkOrder №: **1510300** Matrix: Water Carrier: Benjamin Yslas (MAI Courier)

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: 3.8°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 ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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

APPENDIX C

Certified Analytical Report
and
Chain of Custody Documentation
For Soil Vapor Samples

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1510310

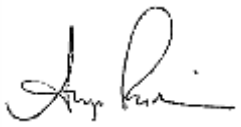
Report Created for: Aqua Science Engineers, Inc.

55 Oak Court Suite 220
Danville, CA 94526

Project Contact: Robert Kitay
Project P.O.:
Project Name: 3834; Albany Hill

Project Received: 10/08/2015

Analytical Report reviewed & approved for release on 10/16/2015 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3834; Albany Hill
WorkOrder: 1510310

Glossary Abbreviation

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
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
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
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

S	spike recovery outside accepted recovery limits
c7	Surrogate value diluted out of range

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Glossary of Terms & Qualifier Definitions

Client: Aqua Science Engineers, Inc.
Project: 3834; Albany Hill
WorkOrder: 1510310

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD was out of acceptance criteria; LCS validated the prep batch.
F2	LCS recovery for this compound is outside of acceptance limits.

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Case Narrative

Client: Aqua Science Engineers, Inc. **Work Order:** 1510310
Project: 3834; Albany Hill October 16, 2015

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	10/13/15	**Analytical Method:**	ASTM D 1946-90
Project:	3834; Albany Hill	**Unit:**	%

Helium

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-1	1510310-001A	SoilGas	10/07/2015 13:00	GC26	111487

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
7.14	18.07	AK

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.063	1	10/13/2015 15:13

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-5	1510310-002A	SoilGas	10/07/2015 11:00	GC26	111487

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
5.23	18.13	AK

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	1.7	20	10/13/2015 16:17

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	ASTM D 1946-90
Date Prepared:	10/12/15-10/13/15	**Analytical Method:**	ASTM D 1946-90
Project:	3834; Albany Hill	**Unit:**	%

Light Gases

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-1	**1510310-001A**	**SoilGas**	**10/07/2015 13:00**	**GC26**	**111488**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
7.14	**18.07**	**AK, MG**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**3.6**	0.10	20	10/13/2015 11:14
Methane	**0.0015**	0.00025	1	10/13/2015 10:03
Oxygen	**10**	0.51	1	10/12/2015 14:52

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-5	**1510310-002A**	**SoilGas**	**10/07/2015 11:00**	**GC26**	**111488**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
5.23	**18.13**	**AK, MG**

Analytes	Result	RL	DF	Date Analyzed
Carbon Dioxide	**3.1**	0.14	20	10/13/2015 11:34
Methane	**0.074**	0.00035	1	10/13/2015 10:24
Oxygen	**3.8**	0.69	1	10/12/2015 15:13

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	TO15
Date Prepared:	10/14/15	**Analytical Method:**	TO15
Project:	3834; Albany Hill	**Unit:**	µg/m³

TPH gas in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-1	1510310-001A	SoilGas	10/07/2015 13:00	GC24	111548

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
7.14	18.07	AK

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1300**	910	1	10/14/2015 23:54

Surrogates	REC (%)	Limits	
1,2-DCA-d4	98	70-130	10/14/2015 23:54

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	SW5030B
Date Prepared:	10/14/15	**Analytical Method:**	SW8260B
Project:	3834; Albany Hill	**Unit:**	µg/m³

TPH gas by P&T and GC/MS in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-5	1510310-002A	SoilGas	10/07/2015 11:00	GC28	111542

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
5.23	18.13	KF

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**4,700,000**	870,000	10	10/14/2015 20:46

Surrogates	REC (%)	Limits	
Dibromofluoromethane	107	70-130	10/14/2015 20:46

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	SW5030B
Date Prepared:	10/15/15	**Analytical Method:**	SW8260B
Project:	3834; Albany Hill	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-5	1510310-002A	SoilGas	10/07/2015 11:00	GC10	111542

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
5.23	18.13	AK

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	1700	2	10/15/2015 16:39
Benzene	**20,000**	1700	2	10/15/2015 16:39
t-Butyl alcohol (TBA)	ND	17,000	2	10/15/2015 16:39
Diisopropyl ether (DIPE)	ND	1700	2	10/15/2015 16:39
Ethylbenzene	**10,000**	1700	2	10/15/2015 16:39
Ethyl tert-butyl ether (ETBE)	ND	1700	2	10/15/2015 16:39
Naphthalene	ND	1700	2	10/15/2015 16:39
Toluene	ND	1700	2	10/15/2015 16:39
Xylenes, Total	ND	1700	2	10/15/2015 16:39

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	61	S	70-130	10/15/2015 16:39
Toluene-d8	84		70-130	10/15/2015 16:39
4-BFB	87		70-130	10/15/2015 16:39

Analytical Comments: c7

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Analytical Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Received:	10/8/15 16:50	**Extraction Method:**	TO15
Date Prepared:	10/14/15	**Analytical Method:**	TO15
Project:	3834; Albany Hill	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SVW-1	1510310-001A	SoilGas	10/07/2015 13:00	GC24	111548

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
7.14	18.07	AK

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	2.7	1	10/14/2015 23:54
Benzene	**4.1**	2.0	1	10/14/2015 23:54
t-Butyl alcohol (TBA)	ND	39	1	10/14/2015 23:54
Diisopropyl ether (DIPE)	ND	2.7	1	10/14/2015 23:54
Ethyl tert-butyl ether (ETBE)	ND	2.7	1	10/14/2015 23:54
Ethylbenzene	ND	2.8	1	10/14/2015 23:54
Methyl-t-butyl ether (MTBE)	ND	2.3	1	10/14/2015 23:54
Naphthalene	**9.2**	6.7	1	10/14/2015 23:54
Toluene	**12**	2.4	1	10/14/2015 23:54
Xylenes, Total	**13**	8.4	1	10/14/2015 23:54

Surrogates	REC (%)	Limits	
1,2-DCA-d4	85	70-130	10/14/2015 23:54
Toluene-d8	99	70-130	10/14/2015 23:54
4-BFB	99	70-130	10/14/2015 23:54

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/13/15	**BatchID:**	111487
Date Analyzed:	10/13/15	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	Soilgas	**Unit:**	%
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111487

QC Summary Report for ASTM D1946-90

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Helium	ND	0.0842	0.025	0.10	-	84	60-140

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/12/15 - 10/13/15	**BatchID:**	111488
Date Analyzed:	10/12/15 - 10/13/15	**Extraction Method:**	ASTM D 1946-90
Instrument:	GC26	**Analytical Method:**	ASTM D 1946-90
Matrix:	SoilGas	**Unit:**	%
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111488

QC Summary Report for ASTM D1946-90

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Carbon Dioxide	ND	0.00757	0.0020	0.010	-	76	70-130
Methane	ND	0.0113	0.00010	0.010	-	113	70-130
Oxygen	ND	0.707	0.20	0.70	-	101	70-130

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/14/15	**BatchID:**	111542
Date Analyzed:	10/14/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111542 1510104-005AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	13.2	0.50	10	-	132	54-140
Benzene	ND	11.5	0.50	10	-	115	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	51.5	2.0	40	-	129	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	10.6	0.50	10	-	106	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	11.1	0.50	10	-	111	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	11.9	0.50	10	-	119	66-125
1,1-Dichloroethene	ND	11.1	0.50	10	-	111	47-149
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/14/15	**BatchID:**	111542
Date Analyzed:	10/14/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111542 1510104-005AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.6	0.50	10	-	116	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	12.4	0.50	10	-	125	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	12.4	0.50	10	-	124	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	10.3	0.50	10	-	103	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	11.5	0.50	10	-	115	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/14/15	**BatchID:**	111542
Date Analyzed:	10/14/15	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111542 1510104-005AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	26.1	26.6		25	104	107	70-130
Toluene-d8	23.2	23.1		25	93	93	70-130
4-BFB	2.26	2.15		2.5	90	86	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)	13.6	13.9	10	ND	137	139	69-139	1.78	20
Benzene	11.0	10.6	10	ND	110	106	69-141	3.55	20
t-Butyl alcohol (TBA)	70.2	60.1	40	ND	175,F1	150	41-152	15.6	20
Chlorobenzene	9.73	10.0	10	ND	97	100	77-120	2.74	20
1,2-Dibromoethane (EDB)	11.6	12.3	10	ND	116	123	76-135	5.93	20
1,2-Dichloroethane (1,2-DCA)	12.0	11.3	10	ND	121	113	73-139	6.79	20
1,1-Dichloroethene	10.5	8.79	10	ND	105	88	59-140	17.9	20
Diisopropyl ether (DIPE)	11.9	11.4	10	ND	119	114	72-140	4.39	20
Ethyl tert-butyl ether (ETBE)	13.0	12.4	10	ND	130	124	71-140	4.74	20
Methyl-t-butyl ether (MTBE)	13.6	13.0	10	ND	136	130	73-139	3.92	20
Tetrachloroethene	9.42	10.2	10	ND	94	102	71-125	7.57	20
Toluene	9.38	9.70	10	ND	94	97	71-128	3.31	20
Trichloroethene	10.5	10.6	10	ND	105	106	64-132	0.912	20
Surrogate Recovery									
Dibromofluoromethane	27.9	26.9	25		112	108	70-130	3.72	20
Toluene-d8	22.7	23.1	25		91	93	70-130	2.01	20
4-BFB	2.12	2.48	2.5		85	99	70-130	15.8	20

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/14/15	**BatchID:**	111548
Date Analyzed:	10/14/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111548

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	12	-	-	-	-
Acrolein	ND	24.4	1.2	25	-	97	60-140
Acrylonitrile	ND	27.7	0.25	25	-	111	60-140
tert-Amyl methyl ether (TAME)	ND	25.6	0.25	25	-	103	60-140
Benzene	ND	22.7	0.25	25	-	91	60-140
Benzyl chloride	ND	28.7	0.25	25	-	115	60-140
Bromodichloromethane	ND	22.0	0.25	25	-	88	60-140
Bromoform	ND	24.2	0.25	25	-	97	60-140
Bromomethane	ND	24.2	0.25	25	-	97	60-140
1,3-Butadiene	ND	22.2	0.25	25	-	89	60-140
2-Butanone (MEK)	ND	-	12	-	-	-	-
t-Butyl alcohol (TBA)	ND	24.9	5.0	25	-	100	60-140
Carbon Disulfide	ND	27.5	0.25	25	-	110	60-140
Carbon Tetrachloride	ND	23.6	0.25	25	-	94	60-140
Chlorobenzene	ND	25.6	0.25	25	-	102	60-140
Chloroethane	ND	28.8	0.25	25	-	115	60-140
Chloroform	ND	19.5	0.25	25	-	78	60-140
Chloromethane	ND	25.1	0.25	25	-	101	60-140
Cyclohexane	ND	23.8	2.5	25	-	95	60-140
Dibromochloromethane	ND	24.5	0.25	25	-	98	60-140
1,2-Dibromo-3-chloropropane	ND	28.5	0.0060	25	-	114	60-140
1,2-Dibromoethane (EDB)	ND	24.9	0.25	25	-	100	60-140
1,2-Dichlorobenzene	ND	26.3	0.25	25	-	105	60-140
1,3-Dichlorobenzene	ND	25.7	0.25	25	-	103	60-140
1,4-Dichlorobenzene	ND	24.3	0.25	25	-	97	60-140
Dichlorodifluoromethane	ND	22.4	0.25	25	-	90	60-140
1,1-Dichloroethane	ND	23.4	0.25	25	-	93	60-140
1,2-Dichloroethane (1,2-DCA)	ND	20.5	0.25	25	-	82	60-140
1,1-Dichloroethene	ND	21.7	0.25	25	-	87	60-140
cis-1,2-Dichloroethene	ND	22.5	0.25	25	-	90	60-140
trans-1,2-Dichloroethene	ND	23.9	0.25	25	-	95	60-140
1,2-Dichloropropane	ND	22.2	0.25	25	-	89	60-140
cis-1,3-Dichloropropene	ND	26.9	0.25	25	-	108	60-140
trans-1,3-Dichloropropene	ND	26.9	0.25	25	-	108	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	25.7	0.25	25	-	103	60-140
Diisopropyl ether (DIPE)	ND	24.6	0.25	25	-	99	60-140
1,4-Dioxane	ND	24.4	0.25	25	-	98	60-140
Ethanol	ND	-	25	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Aqua Science Engineers, Inc.	**WorkOrder:**	1510310
Date Prepared:	10/14/15	**BatchID:**	111548
Date Analyzed:	10/14/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	3834; Albany Hill	**Sample ID:**	MB/LCS-111548

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethyl acetate	ND	26.1	0.25	25	-	104	60-140
Ethyl tert-butyl ether (ETBE)	ND	24.2	0.25	25	-	97	60-140
Ethylbenzene	ND	26.0	0.25	25	-	104	60-140
4-Ethyltoluene	ND	26.3	0.25	25	-	105	60-140
Freon 113	ND	22.0	0.25	25	-	88	60-140
Heptane	ND	26.2	2.5	25	-	105	60-140
Hexachlorobutadiene	ND	28.6	0.25	25	-	114	60-140
Hexane	ND	23.6	2.5	25	-	94	60-140
2-Hexanone	ND	25.7	0.25	25	-	103	60-140
4-Methyl-2-pentanone (MIBK)	ND	34.7	0.25	25	-	139	60-140
Methyl-t-butyl ether (MTBE)	ND	24.0	0.25	25	-	96	60-140
Methylene chloride	ND	22.9	1.2	25	-	91	60-140
Methyl methacrylate	ND	28.4	0.25	25	-	114	60-140
Naphthalene	ND	55.1	0.50	50	-	110	60-140
Propene	ND	-	25	-	-	-	-
Styrene	ND	26.6	0.25	25	-	106	60-140
1,1,1,2-Tetrachloroethane	ND	22.5	0.25	25	-	90	60-140
1,1,2,2-Tetrachloroethane	ND	24.6	0.25	25	-	99	60-140
Tetrachloroethene	ND	24.6	0.25	25	-	99	60-140
Tetrahydrofuran	ND	25.4	0.50	25	-	102	60-140
Toluene	ND	26.2	0.25	25	-	105	60-140
1,2,4-Trichlorobenzene	ND	30.0	0.25	25	-	120	60-140
1,1,1-Trichloroethane	ND	23.8	0.25	25	-	95	60-140
1,1,2-Trichloroethane	ND	25.2	0.10	25	-	101	60-140
Trichloroethene	ND	22.2	0.25	25	-	89	60-140
Trichlorofluoromethane	ND	24.3	0.25	25	-	97	60-140
1,2,4-Trimethylbenzene	ND	26.4	0.25	25	-	105	60-140
1,3,5-Trimethylbenzene	ND	26.0	0.25	25	-	104	60-140
Vinyl Acetate	ND	31.7	2.5	25	-	127	60-140
Vinyl Chloride	ND	19.0	0.25	25	-	76	60-140
Xylenes, Total	ND	76.4	0.75	75	-	102	60-140
Surrogate Recovery							
1,2-DCA-d4	446	418		500	89	84	70-130
Toluene-d8	487	511		500	97	102	70-130
4-BFB	466	471		500	93	94	70-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510310 **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: 3834; Albany Hill

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

Requested TAT: **5 days;**

Date Received: **10/08/2015**
Date Printed: **10/09/2015**

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
1510310-001	SVW-1	SoilGas	10/7/2015 13:00	☐	A	A	A	A	A	A	A					
1510310-002	SVW-5	SoilGas	10/7/2015 11:00	☐	A	A		A	A	A	A					

Test Legend:

1	HELIUM_LC_SOILGAS(%)	2	LG_SUMMA_SOILGAS(%)	3	PREDF REPORT	4	PRHELIUM SHROUD
5	TO15_Scan-SIM_SOIL(UG/M3)	6	TO15-8260_SOIL(UG/M3)	7	TO15GAS_Scan-SIM_SOIL(UG/M3)	8	
9		10		11		12	

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Maria Venegas

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.

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WORK ORDER SUMMARY

Client Name: AQUA SCIENCE ENGINEERS, INC. **QC Level:** LEVEL 2 **Work Order:** 1510310
Project: 3834; Albany Hill **Client Contact:** Robert Kitay **Date Received:** 10/8/2015
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
1510310-001A	SVW-1	SoilGas	ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Methane_4, Oxygen>	1	1L Summa	☐	10/7/2015 13:00	5 days		☐	
			TO15 + Gas w/ Helium			☐		5 days		☐	
1510310-002A	SVW-5	SoilGas	ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Methane_4, Oxygen>	1	1L Summa	☐	10/7/2015 11:00	5 days		☐	
			TO15 + Gas w/ Helium			☐		5 days		☐	

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.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 DAY ☒
GeoTracker EDF ☒ PDF ☐ EDD ☐ EQuIS ☐ 10 DAY ☐
UST Clean Up Fund Project ☐ Claim # Please talk to Blaine regarding pricing

Report To: Robert Kitay	Bill To: Robert Kitay
Company: Aqua Science Engineers	
55 Oak Ct, Ste 220	
Danville, CA 94526	E-Mail: rkitay@aquascienceengineers.com
Tele: (925) 413-8604	Fax: (925) 837-4853
Project #: 3834	Project Name: Albany Hill
Project Location: 800 San Pablo Ave, Albany, CA	
Sampler Signature: R. C. Kitay	

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	VOCs by TO-15 (ug/m3)	8010 by TO-15 (ug/m3)	TPH(g) (ug/m3) BTEX, 5 Oxy's + naph. by TO-15	LEED (inc. 4PCH, Formaldehyde, CO, Total VOCs)	Fixed Gas: CO2, Methane, Ethane, Ethylene, Acetylene, CO (please circle or indicate in notes) ~~ul/L~~ %/o	Fixed Gas: O2, N2 (please circle) ~~ul/L~~	Fixed Gas: Propane uL/L	Helium Leak Check (%)	Leak Check (IPA, Norflorane, 1,1-difluroethane) ug/m3	APH: Aliphatic and/or Aromatic (please circle) ug/m3	Other:	Matrix: Soilgas	Matrix: Indoor Air	Cannister Pressure/ Vacuum: Initial	Cannister Pressure/ Vacuum: Final
SVW-1	10-7-15	1300	CAN6169-755	MAN316T-1315			X		X	X		X				X		29.5	25
SVW-5	10-7-15	1100	CAN7518-866	MAN316T-779			X		X	X		X				X		30	23

Helium Shroud SN#

Other:

Notes: Please Specify units if different than defaults VOCs is ug/m3 and fixed gas is uL/L. Leak check default is IPA.

Relinquished By:	Date:	Time:	Received By:
R. C. Kitay	10/8/15	1525	
	10/8	1650	

Temp (°C) : _____ Work Order #: _____

Condition: _____

Custody Seals Intact?: Yes _____ No _____ None _____

Shipped Via: _____

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Sample Receipt Checklist

Client Name: **Aqua Science Engineers, Inc.**
Date and Time Received: **10/8/2015 4:50:00 PM**

Project Name: **3834; Albany Hill**
LogIn Reviewed by: Maria Venegas

WorkOrder №: **1510310** Matrix: SoilGas
Carrier: Benjamin Yslas (MAI Courier)

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:		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 ☑	

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 ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: