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September 20, 2006

WORKPLAN
FOR ADDITIONAL SOIL AND GROUNDWATER ASSESSMENT
ASE JOB NO. 3934
at
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, California

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
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1.0 INTRODUCTION

This submittal presents Aqua Science Engineers, Inc. (ASE) workplan for additional soil and groundwater assessment at the Albany Hill Mini Mart located at 800 San Pablo Avenue in Albany, California (Figures 1 and 2). The proposed site assessment activities were initiated by Dr. Joginder Sikand, owner of the property, as requested by the Alameda County Health Care Services Agency (ACHCSA).

2.0 BACKGROUND INFORMATION

The subject site is currently a mini market and gasoline service station. It is ASE's understanding that the site has operated as a gasoline service station since 1930. Dr. Sikand, the present owner, purchased the property in 1973. At that time, three underground fuel storage tanks (USTs) operated at the site. These tanks consisted of two 500-gallon regular gasoline USTs and one 1,000-gallon super gasoline UST. In 1986, the site was remodeled and the three old USTs were removed and were replaced by four new USTs. These new USTs consisted of two 10,000-gallon gasoline USTs, one 6,000-gallon gasoline UST, and one 2,000-gallon diesel UST. The automotive repair operation also ceased at that time.

2.1 March 1997 Underground Storage Tank (UST) Removal

In March 1997, Superior Underground Tank Services removed five USTs. These USTs consisted of the four USTs installed in 1986 and one 750-gallon UST, which was previously unknown and was found during excavation activities at the site. Soil samples collected from the excavations following the UST removal contained up to 3,800 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-G), 820 ppm total petroleum hydrocarbons as diesel (TPH-D), and detectable concentrations of benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE). Groundwater samples collected from the excavations also contained elevated concentrations of TPH-G, TPH-D, BTEX and MTBE.

2.2 August 1999 Preliminary Soil and Groundwater Assessment

In August 1999, Advanced Assessment and Remediation Services (AARS) conducted a preliminary soil and groundwater assessment at the site. This assessment included the installation of monitoring wells MW-1, MW-2 and MW-3 at the site. Sediments encountered during drilling generally consisted of clay from the ground surface to approximately 13-feet below ground surface (bgs), and sand or silty sand from 13-feet bgs to the total depth explored of 25-feet bgs. Groundwater was encountered at approximately 17-feet bgs and rose to approximately 10.5-feet bgs in the completed monitoring wells. Relatively low concentrations of hydrocarbons were detected in soil samples collected from MW-1, and no hydrocarbons were detected in soil samples collected from MW-2 and MW-3. Groundwater samples collected from the monitoring wells contained up to 1,500 parts per billion (ppb) TPH-G, 1,200 ppb TPH-D, 4.3 ppb benzene, 2.9 ppb toluene, 9.1 ppb ethylbenzene, and 28 ppb total xylenes. The highest



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concentrations were in monitoring well MW-1, with much lower or non-detectable concentrations in the other two wells. The groundwater flow direction during this assessment was calculated to be to the southeast.

2.3 June 2001 Soil and Groundwater Assessment

In June 2001, AARS conducted an additional soil and groundwater assessment at the site, which included the drilling of four soil borings (SB-1 through SB-4). Hydrocarbons were detected in soil samples collected from approximately 10-foot bgs in all four borings. The highest concentrations were in SB-1, which contained 2,300 ppm TPH-G, 550 ppm TPH-D, 5.3 ppm benzene, 78 ppm toluene, 45 ppm ethylbenzene, and 330 ppm total xylenes. Elevated petroleum hydrocarbon concentrations were detected in groundwater samples collected in all four borings. The highest concentrations were in SB-2 and SB-4, which contained up to 8,900 ppb TPH-G, 19,000 ppb TPH-D, 1,400 ppb benzene, 1,900 ppb toluene, 280 ppb ethylbenzene, 1,300 ppb total xylenes, and 4,500 ppb MTBE.

2.4 June 2002 Soil and Groundwater Assessment

In June 2002, AARS conducted an additional soil and groundwater assessment at the site, which included the installation of six additional monitoring wells (MW-4 through MW-9) and one additional soil boring (SB-6). Hydrocarbons were detected in soil samples collected from all of these borings, with the highest concentrations detected in the soil samples collected from 11-foot bgs in MW-4 and 15-foot bgs in MW-9. All of the hydrocarbon concentrations in soil were well below the concentrations detected in previous boring SB-2. The groundwater samples collected from these new monitoring wells contained up to 24,100 ppb TPH-G, 19,000 ppb TPH-D, 2,300 ppb benzene, 1,900 ppb toluene, 1,050 ppb ethylbenzene, 5,410 ppb total xylenes, and 12,000 ppb MTBE.

2.5 June 2002 Area Well Survey

In June 2002, AARS also conducted an area well survey that identified wells within a 2,000-foot radius of the site. AARS listed seven wells in the site vicinity. However, all of the wells are over 2,000-feet from the site and none of the wells are domestic, municipal, irrigation or other water supply wells.

2.6 Quarterly Groundwater Monitoring

Between August 1999 and February 2003, groundwater samples were collected from the site monitoring wells on an approximate quarterly sampling schedule. The analytical results are tabulated in Table One.



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2.7 October 2003 Area Conduit Study

In October 2003, ASE conducted a study of underground utility conduits in the site vicinity to determine if any of these conduits could be a potential preferred pathway for the movement of groundwater contamination in the site vicinity. This study was conducted by reviewing Underground Service Alert (USA) markings in the site vicinity, reviewing documents such as as-built drawings supplied by the city and individual utility companies, and contacting individuals that would have knowledge of the individual utility lines. None of the water, natural gas, electric, telephone, cable TV, or Caltrans communication conduits could be potential conduits based on their depth and the depth to groundwater in the site vicinity. There is a sewer line beneath San Pablo Avenue that, although currently above all historical depths to water, could potentially have been above the potentiometric surface during periods of extremely high water levels. However, since it appears that the actual water level is well below the potentiometric surface at the site, ASE does not believe that this line presents a potential preferred pathway for the movement of groundwater even during periods of a high water table.

2.8 August and October 2004 Soil and Groundwater Assessment

Between August and October 2004, ASE drilled soil borings BH-A through BH-Q using a Geoprobe hydraulic sampling rig. A dual-wall sampler was advanced to allow drilling through the first water-bearing zone into the second water-bearing zone while minimizing the possibility of cross-contamination. Due to the difficulty in drilling with a dual-wall sampler, all of the borings met with refusal before reaching the planned depth. Analytical results for the soil and groundwater samples are tabulated in Tables Two and Three. In general, the analytical results show that elevated hydrocarbon concentrations are present in street areas immediately adjacent to the site to the north and to the east.

The extent of hydrocarbons appeared to be completely defined to the southeast as hydrocarbon concentrations detected in boring BH-Q drilled on the western side of San Pablo Avenue south of the site were below ESLs, and to the east as all of the hydrocarbon concentrations detected in borings drilled on the eastern side of San Pablo Avenue were below ESLs. The extent of hydrocarbons to the west was not yet defined based on the results from BH-M. However, based on the long distance to the next possible drilling location to the west, and based on the topographic gradient and unlikely groundwater flow in that direction, ASE did not recommend any further definition of the extent of hydrocarbons to the west at this time. The extent of hydrocarbons to the north of the site was not yet defined. ASE recommended further definition of the extent of hydrocarbons to the north, further vertical definition of the extent of hydrocarbons at the site, and vapor extraction and sparging tests at the site.

2.9 Replacement of Monitoring Well MW-5 and Installation of Monitoring Well MW-10

Monitoring well MW-5 was destroyed during a sewer replacement project in San Pablo Avenue. In September 2005, California Trenchless, Inc. contracted Heilshorn Environmental Engineering (HE2) at the request of the City of Albany to replace this well. Initially, the replacement well



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was installed in the wrong location. This was discovered when the well was already nearing completion. This well is currently on-site and is called MW-10. A new replacement well near the location of destroyed monitoring well MW-5 was also constructed and is known as MW-5R. It should be noted that the original monitoring well MW-5 was not properly destroyed but rather the casing was pulled out by the contractor and then the hole was filled with compacted rock. The new sewer line was then built directly over the old well location. In addition, the contractor that installed the new sewer line mentioned that three USTs were located while installing the sewer line near the site. Two USTs were located adjacent to the gas station in the street. These USTs were left in place. One other UST, filled with cement, was located just south of the gas station. This UST was removed.

2.10 Vapor Extraction and Ozone Sparging Well Installation

In December 2005, ASE installed three vapor extraction wells and three ozone sparging wells at the site. These wells were subsequently used to conduct vapor extraction and air sparging feasibility tests at the site.

2.11 January and February 2006 Soil and Groundwater Assessment

Between January 30, 2006 and February 2, 2006, ASE drilled soil borings BH-R through BH-X using an EP Sonic drill rig. The EP Sonic drill rig used a conductor casing to seal off shallower water-bearing zones to minimize the possibility of cross-contamination while drilling deeper borings. Although more successful with drilling using the EP Sonic rig than previous attempts using a dual-wall sampler, several borings still met with refusal prior reaching the planned depth. In general, hydrocarbons were only detected in soil samples collected at depths above 20.5-feet bgs. None of the deeper soil samples contained concentrations of hydrocarbons exceeding ESLs. High concentrations of TPH-G and BTEX were detected in groundwater samples collected from boring BH-V north of the site. These concentrations are higher than hydrocarbon concentrations closer to the site. Relatively high MTBE concentrations were detected in boring BH-T, northwest of the site. Moderate TPH-G and total xylene concentrations were detected in groundwater samples collected from boring BH-X, south of the site. No significant MTBE concentrations have been detected in groundwater samples collected from borings south of the site. The analytical results are tabulated in Tables One and Two. Based on these results, it was determined that additional assessment was needed to define the extent of hydrocarbons north of the site.

2.12 Remediation Feasibility Tests and Corrective Action Plan

In March 2006, ASE conducted a vapor-extraction (VE) test at the site. The data gathered during the VE test proved that the technology of vapor extraction would not be a useful tool to capture a sizeable radius of impacted vadose zone hydrocarbons.

In April 2006, ASE conducted an air sparging test at the site. Ozone-sparging well OS-2 was chosen as the injection well due to its proximity in relation to sparging wells OS-1 and OS-3.



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Two monitoring wells MW-2 and MW-6 and vapor extraction well VE-2 were used for observation of influence from the injected air/helium mixture. The test consisted of measuring positive pressure in surrounding wells, measuring for helium that was injected in OS-2 as a tracer gas, and measuring water levels in monitoring wells at the site. As for positive pressure, the test showed a brief influence 20-feet away in MW-2, however, that influence was only measured for a period of approximately one hour. As for helium measurements, the test indicates a radius of influence of approximately 20-feet in OS-3. The water level rose 0.01-feet in MW-2, and 0.02-feet in MW-3 and MW-6 during the test.

Several remediation options were considered and discussed in ASE's Corrective Action Plan (CAP) dated June 28, 2006. ASE concluded that ozone-sparging would be the most cost-effective remediation strategy for the site.

3.0 SCOPE OF WORK (SOW)

The purpose of this assessment is to further define the extent of soil and groundwater contamination north of the site. The scope of work will be as follows:

- 1) Obtain a drilling permit from the Alameda County Public Works Agency.
- 2) Obtain an access agreement from the property owner at 736 San Pablo Avenue to drill a soil boring on his property.
- 3) Contract with a subsurface utility locating service to clear drilling locations of underground utility lines.
- 4) Drill one soil boring in an off-site location using a Geoprobe direct-push drill rig and collect soil and groundwater samples for analysis.
- 5) Following collection of the soil and groundwater samples, backfill the boring described in task 4 with neat cement placed by tremie pipe.
- 6) Analyze soil and groundwater samples at a CAL-DHS certified analytical laboratory for TPH-D by EPA Method 8015 and TPH-G, BTEX, and fuel oxygenates by EPA Method 8260B.
- 7) Prepare a report presenting the methods and finding of the assessment.

4.0 DETAILS OF PROPOSED SOW

Details of the assessment are presented below.



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TASK 1 - OBTAIN A DRILLING PERMIT FROM THE ALAMEDA COUNTY PUBLIC WORKS AGENCY

Prior to drilling, ASE will obtain a drilling permit from the Alameda County Public Works Agency.

TASK 2 - OBTAIN AN ACCESS AGREEMENT FROM THE OFF-SITE PROPERTY OWNER TO ALLOW FOR DRILLING ON HIS PROPERTY

Prior to drilling, ASE will obtain an access agreement from the property owner at 736 San Pablo Avenue to allow for drilling on his property. ASE has previously spoken to the owner at this property and it appears that he will allow a soil boring to be drilled on his property. ASE also spoke with the owner of Albany Tire Service at 742 San Pablo Avenue to see if he would allow access to his property for drilling a boring. The 742 San Pablo Avenue property would have been preferred since it is the next property to the north of boring BH-V. However, the owner of the Albany Tire Service Property told me that his entire property, including the areas next to the San Pablo Avenue sidewalk where we would like to drill, was previously excavated as part of a remediation project related to the former tire retread shop on the property. The entire excavation was backfilled with crushed concrete, and he did not believe that drilling would be possible in that location. For this reason, ASE has chosen the next property to the north at 736 San Pablo Avenue.

TASK 3 - CONTRACT WITH AN UNDERGROUND UTILITY LINE LOCATING SERVICE TO ACCURATELY LOCATE UNDERGROUND UTILITY LINES IN THE DRILLING LOCATION

ASE will contact Underground Service Alert (USA) at least 48 hours prior to drilling. ASE will also contract with a private underground utility locating service to pinpoint the location of utility lines in the drilling location.

TASK 4 - DRILL ONE SOIL BORING OFF-SITE AND COLLECT SOIL AND GROUNDWATER SAMPLES FROM THE BORING FOR ANALYSIS

ASE will drill one soil boring in an off-site location (Figure 2) and will collect soil and groundwater samples to further define the extent of groundwater contamination north of the site. The boring will be drilled using a Geoprobe or similar type drill rig. A qualified ASE geologist will direct the drilling.

Undisturbed soil samples will be collected continuously for subsurface hydrogeologic description and possible chemical analysis. The geologist will describe the soil according to the Unified Soil Classification System (USCS). The samples will be collected in acetate tubes using a drive sampler advanced as the boring progresses. Samples to be retained for analysis will be



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immediately removed from the sampler, trimmed, sealed with Teflon tape and plastic caps, secured with duct tape, labeled with the site location, sample designation, date and time the sample was collected, and the initials of the person collecting the sample. The samples will be placed into an ice chest containing wet ice for delivery under chain of custody to a CAL-DHS certified analytical laboratory.

Soil from the remaining tubes not sealed for analysis will be removed for hydrogeologic description and will be screened for volatile compounds with a photoionization detector (PID). The soil will be screened by emptying soil from one of the tubes into a plastic bag. The bag will be sealed and placed in the sun for approximately 10 minutes. After the hydrocarbons have been allowed to volatilize, the PID will measure the vapor through a small hole, punched in the bag. These PID readings will be used as a screening tool only since these procedures are not as rigorous as those used in an analytical laboratory.

A groundwater sample will be collected from the boring. Drilling will be halted at the water table and a Hydropunch or similar type device will be utilized to collect groundwater samples from the boring. The groundwater samples will be contained in 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid and sealed without headspace. The samples will then be labeled with the site location, sample designation, date and time the samples were collected, and the initials of the person collecting the samples. The samples will then be sealed in plastic bags and cooled in an ice chest with wet ice for transport to a state-certified analytical laboratory under chain-of-custody.

All sampling equipment will be cleaned in buckets with brushes and an Alconox solution, then rinsed twice with tap water. Rinsates will be contained on-site in 55-gallon steel drums and stored on-site until off-site disposal can be arranged.

TASK 5 - BACKFILL THE BORING WITH NEAT CEMENT

Following collection of the soil and groundwater samples, the borehole described in Task 4 will be backfilled with neat cement placed by tremie pipe.

TASK 6 - ANALYZE SOIL AND GROUNDWATER SAMPLES COLLECTED FROM THE BORING

Each soil and groundwater sample will be analyzed at a CAL-DHS certified environmental laboratory for TPH-D by modified EPA Method 3510/8015M, and TPH-G, BTEX, and oxygenates by EPA Method 8260B.

TASK 7 - PREPARE A REPORT

ASE will prepare a subsurface assessment report presenting the methods and findings of this assessment. This report will include a summary of the results, the site background and history, tabulated soil and groundwater analytical results, conclusions and recommendations. Formal



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boring logs, analytical reports, and chain of custody documents will be included as appendices. This report will be submitted under the seal of a California registered civil engineer or geologist.

5.0 SCHEDULE

ASE will proceed with this project immediately upon approval of this workplan by the ACHCSA.

Aqua Science Engineers appreciates the opportunity provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

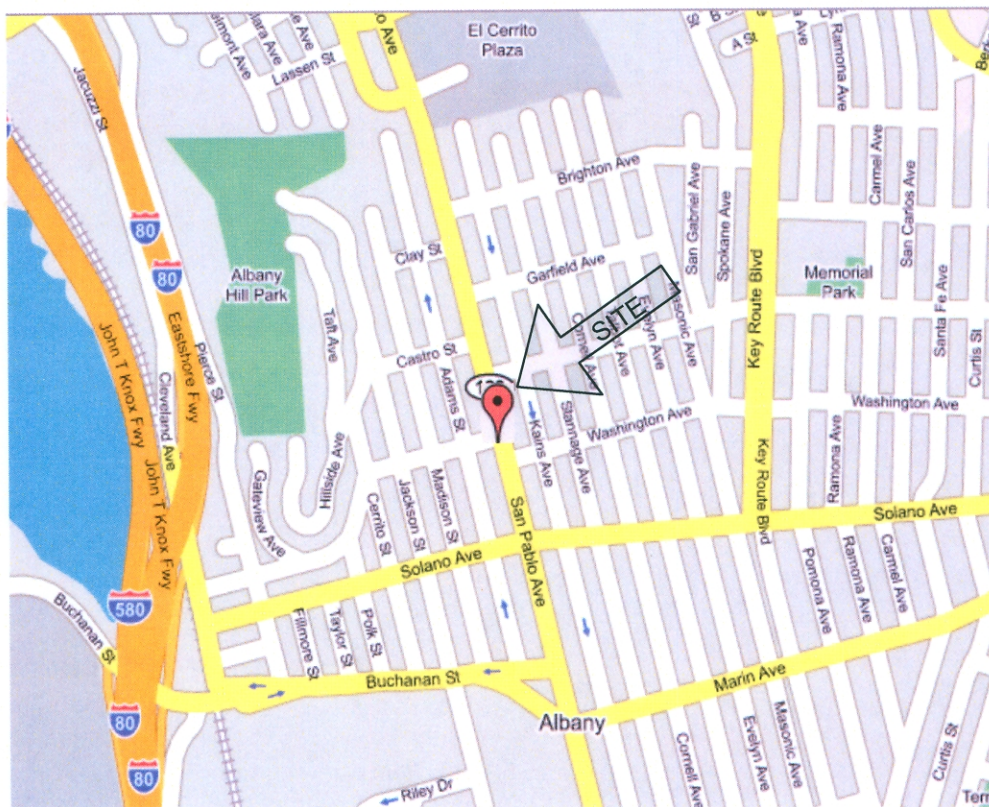
A handwritten signature in black ink, appearing to read 'Robert E. Kitay', is written over a faint, circular, light-blue background.

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



Attachments: Figures 1 and 2
Tables One through Three

FIGURES



LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS

FIGURE 1

Berkeley Motor Works
(736 San Pablo Ave)

Albany Tire Service
(742 San Pablo Ave)

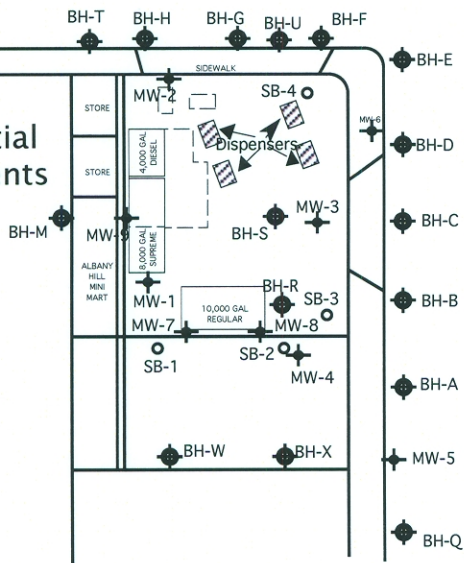
Steve's Auto Care
(744 San Pablo Ave)

Club Mallard
(752 San Pablo Ave)

SAN PABLO AVENUE

WASHINGTON AVENUE

Residential
Apartments



NORTH

0 40

SCALE: 1" = 40'

LEGEND

- MW-2 MONITORING WELL
- SB-2 SOIL BORING
- BH-A ASE ADVANCED SOIL BORING
- PROPOSED BORING LOCATION

PROPOSED BORING LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

TABLES

TABLE ONE
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 < 0.50
	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	6.2	12	< 0.50	< 5.0	230	< 0.50
	3/6/06	180	69	63	1.6	3.8	2.3	< 0.50	< 5.0	180	< 0.50
MW-2	8/6/99	ND	340	ND	ND	ND	ND	--	--	ND	--
	11/5/99	ND	420	ND	ND	ND	0.7	--	--	ND	--
	2/7/00	ND	310	ND	ND	ND	0.6	--	--	ND	--
	5/7/00	ND	280	ND	ND	ND	< 1	--	--	ND	--
	8/3/00	460	70*	79	3.0	43	8	--	--	3,300	--
	11/8/00	200	120	57	2.0	13	8	--	--	3,000	--
	2/8/01	290	80	50	1.0	0.6	4	--	--	3,100	--
	6/7/01	210	80	18	0.6	3	5	--	--	2,000	--
	9/7/01	230	ND	51	ND	8	8	--	--	2,400	--
	12/13/01	172	ND	53	1.2	7.7	8.4	--	--	1,780	--
	6/13/02	86	< 50	6	6.7	1.1	4.5	--	--	1,830	--
	11/11/02	1,040	< 50	5	1.0	< 1	5	--	--	1,250	--
	2/14/03	82	< 50	8	< 1	1	< 3	--	--	1,520	--
	9/10/04	< 100	72	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	620	< 1.0
	12/7/04	< 150	86	17	< 1.5	< 1.5	< 1.5	< 1.5	< 7.0	540	< 1.5
	4/18/05	280	130	55	< 1.5	4.4	< 1.5	< 1.5	< 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	< 0.90	5.2	610	< 0.90

TABLE ONE

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	120	6.4	7.2	10	11	56	2,400	< 4.0
	3/6/06	< 200	88	36	< 2.0	5.3	2.1	4.2	13	1,000	< 2.0
MW-4	6/13/02	4,460	1,500*	425	409.0	115	730	--	--	32	--
	11/11/02	5,150	2,380*	2,010	74.0	399	252	--	--	< 20	--
	2/14/03	6,360	2,410*	1,560	82.0	274	573	--	--	< 1	--
	9/10/04	1,600	180	370	6.5	68	93	< 1.0	10	13	1.1 (DIPE)
	12/7/04	1,900	< 200	450	8.2	72	100	< 0.9	5.4	9.5	< 0.9
	4/18/05	10,000	< 800	1,500	27.0	420	900	< 1.5	15	18	< 1.5
	6/20/05	6,100	< 600	830	19.0	280	400	< 1.5	17	22	< 1.5
	10/7/05	3,200	< 500	660	8.7	110	140	< 1.5	12	14	< 1.5
	12/7/05	1,000	< 200	220	2.5	48	37	< 0.5	< 5.0	12	< 0.5
	3/6/06	1,200	< 300	280	2.1	32	77	0.65	15	75	1.0 (DIPE), 0.57 (1,2-DCA)
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	2.4	< 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

TABLE ONE
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	< 5.0	4.3	< 0.50
MW-7	6/13/02	24,100	1,570*	2,310	657	945	5,430	--	--	951	--
	11/11/02	4,760	2,160*	1,820	21	316	1,141	--	--	702	--
	2/14/03	4,320	2,380*	1,020	7	223	293	--	--	1,410	--
	9/10/04	4,800	< 300	640	16	250	490	< 1.5	31	590	< 1.5
	12/7/04	990	< 300	140	3.4	49	70	4.0	< 20	960	< 2.0
	4/18/05	1,400	< 300	260	1.3	96	16	< 1.0	20	370	< 1.0
	6/20/05	1,900	< 200	320	1.0	130	24	< 0.50	17	370	< 0.50
	10/7/05	2,600	< 800	190	4.7	91	200	0.73	8.0J	310	< 0.50
	12/7/05					Not sampled. Inaccessible					
	3/6/06	640	< 200	85	0.88	24	30	< 0.5	8.0	150	< 0.50
MW-8	6/13/02	20,000	7,760*	2,200	1,140	1,050	4,090	--	--	12,000	--
	11/11/02	5,010	2,010*	187	< 1	15	< 3	--	--	16,600	--
	2/14/03	1,980	< 50	607	6	113	40	--	--	11,500	--
	9/10/04	< 2,000	200	110	< 20	26	49	25	< 200	8,600	< 20
	12/7/04	2,000	280	420	< 10	40	61	31	100	6,800	< 10
	4/18/05	< 1000	250	76	< 10	23	< 10	17	< 100	3,700	< 10
	6/20/05	1,300	300	190	< 7.0	21	40	19	< 40	3,400	< 7.0
	10/7/05	< 700	200	85	< 7.0	9.3	8.3	23	< 40	4,400	< 7.0
	12/7/05	1,400	300	250	8.7	41	90	18	< 40	4,400	< 7.0
	3/6/06					Not sampled. Inaccessible					

TABLE ONE
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	< 0.90	< 0.90
	3/6/06	4,200	< 800	460	120	97	600	< 0.90	< 5.0	< 0.90	< 0.90
MW-10	10/7/05	470	330	17	< 0.50	2	11	1.2	9.4J	210	< 0.50
	12/7/05					Not sampled. Inaccessible					
	3/6/06	130	130	4.2	< 0.50	< 0.50	< 0.50	4.9	13	820	0.55 (DIPE)
ESL		500	640	46	130	290	13	NE	NE	1,800	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 (February 2005)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

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 TWO
Certified Analytical Results for **SOIL** Samples
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA
All results are in **parts per million (ppm)**

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-A	13	180	3.1*	0.0510	< 0.025	2.8	4.7	< 0.025	< 0.25	< 0.025	< 0.025
	16.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.0050	< 0.0050
	24.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-B	11.5	240	22*	0.14	< 0.025	3.8	4.9	< 0.025	< 0.15	< 0.025	< 0.025
BH-C	14.5	400	71*	0.052	< 0.025	< 0.025	< 0.025	< 0.025	< 0.15	< 0.025	< 0.025
	23.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.015	0.16	< 0.0050
BH-D	6.5	< 1.0	130	0.0070	0.020	0.0064	0.058	< 0.0050	0.047	< 0.0050	< 0.0050
	14.5	34	66	0.033	0.052	< 0.0060	0.024	< 0.0060	< 0.030	0.026	< 0.0060
	19.5	1.1	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0066	0.0067	< 0.0050
BH-E	13.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	0.0058	< 0.0050
	18.5	< 1.0	1.4*	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	0.086	< 0.0050
BH-F	14.0	210	69*	2.7	14	4.7	24	< 0.025	< 0.25	0.026	< 0.025
BH-G	14.5	170	25*	2.7	7.8	3.1	16	< 0.025	< 0.25	0.060	< 0.025
BH-H	14.5	45	51*	0.28	0.39	0.74	3.0	< 0.025	< 0.25	< 0.025	< 0.025
BH-I	24.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
BH-K	23.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050

TABLE TWO
Certified Analytical Results for SOIL Samples
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA
All results are in parts per million (ppm)

[illegible]

TABLE TWO
Certified Analytical Results for **SOIL** Samples
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA
All results are in **parts per million (ppm)**

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-T	15	2.5	15*	0.030	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.040	0.058	< 0.0050
	20	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.28	< 0.0050
	25	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.12	< 0.0050
	31	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.060	< 0.0050
	37.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0085	< 0.0050
	40	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	43.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	50.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-U	10	87	64*	0.59	0.059	1.8	4.8	< 0.0050	0.024	< 0.0050	< 0.0050
	15	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	20	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	25	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	0.0076	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	31	22	14	0.21	0.64	0.44	2.5	< 0.0050	< 0.015	< 0.0050	< 0.0050
	36	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	40	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	45	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	50	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-V	10	13	22	0.16	0.0076	0.22	0.29	< 0.0050	< 0.015	< 0.0050	< 0.0050
	15	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0063	< 0.0050

TABLE TWO
Certified Analytical Results for SOIL Samples
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, CA
All results are in parts per million (ppm)

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-W	10	17	7.5*	0.088	< 0.0050	0.34	0.12	< 0.0050	0.017	< 0.0050	< 0.0050
	15	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	20	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	30	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	40	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	0.0084	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	50	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-X	10.5	< 1.0	< 1.0	0.018	< 0.0050	0.030	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	15	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	20.5	5.8	3.1*	0.018	< 0.0050	0.11	0.26	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	30.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	40	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
ESL		100	500	0.18	9.3	4.7	1.5	NE	NE	2	Varies

Notes:

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (February 2005)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Concentrations exceeding ESLs are in Bold.

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

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

* = Hydrocarbons reported as TPH-D do not exhibit a typical diesel chromatographic pattern.

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

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-A	20-22	290	120*	5.3	< 0.5	9.9	16	< 0.5	8.1	< 0.5	< 0.5
	25-27	420	920*	18	1.1	29	50	< 0.5	7.1	< 0.5	< 0.5
BH-B	23-25	13,000	< 3,000	420	< 2.5	530	740	< 2.5	< 25	3.2	< 2.5
	33-35	530	< 50	0.99	0.60	0.53	0.69	< 0.5	< 5.0	< 0.5	< 0.5
BH-C	25-27	< 500	110	18	< 5.0	< 5.0	< 5.0	7.5	< 50	2,000	< 5.0
BH-D	10-12	12,000	< 80,000	1,600	2,300	190	1,500	< 7.0	210	87	< 7.0
	23-25	170	51	5.2	8.8	1.2	6.9	2.0	15	620	< 0.90
BH-E	20-22	< 700	78	< 7.0	< 7.0	< 7.0	< 7.0	21.0	< 40	3,300	< 7.0
BH-F	23-25	5,400	< 800	210	320	90	480	750	41	1,500	< 2.5
BH-G	23-25	7,300	< 400	260	660	180	960	13	< 100	5,000	< 10
	28-30	< 1,000	160	47	30	< 10	10	14	< 100	4,800	< 10
BH-H	23-25	2,300	< 300	44	86	79	340	< 2.5	< 25	1,400	< 2.5
	32-34	< 500	120	13	12	< 5.0	7.2	< 5.0	< 50	1,900	< 5.0
BH-I	25-27	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
BH-J	25-27	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
BH-K	25-27	< 50	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
BH-L	25-27	320	70	< 0.5	0.60	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
BH-M	22-24	730	2,000	94	4.0	36	100	< 0.5	< 5.0	< 0.5	1.4 (DIPE)
BH-N	26-28	< 1,000	190	15	< 10	< 10	< 10	36	< 50	5,300	< 10
BH-O	25-27	1,900	1,500*	150	42	82	340	21	< 5.0	140	< 0.5
BH-P	23-25	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5

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

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-Q	7-9 25-27	< 50 320	420 500	< 0.5 0.58	< 0.5 0.74	< 0.5 < 0.5	< 0.5 0.62	< 0.5 < 0.5	< 5.0 < 5.0	< 0.5 20	< 0.5 0.75 (1,2-DCA)
BH-R	25	< 500	400	< 5.0	< 5.0	< 5.0	< 5.0	11	< 25	2,800	< 5.0
BH-S	25	670	< 200	16	1.4	17	99	3.1	34	720	< 1.0
BH-T	25-27 34-37	< 500 75**	640 450	5.6 0.65	< 5.0 0.64	< 5.0 < 0.5	5.4 0.85	6.3 < 0.5	30 < 5.0	2,900 180	< 5.0 < 0.5
BH-V	20-24 30-32	32,000 23,000	< 10,000 < 4,000	560 330	150 93	1,100 730	5,400 3,600	< 7.0 < 5.0	< 40 < 25	92 < 5.0	< 7.0 < 5.0
BH-W	30-32	310	< 50	1.2	1.2	6.2	20	< 0.5	< 5.0	0.77	< 0.5
BH-X	32-34	6,300	< 500	36	4.9	200	560	< 1.5	< 7.0	< 1.5	< 1.5
MW-1		900	82	210	8.4	52	23	< 0.5	5.1		< 0.5
MW-2		< 100	72	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	620	< 1.0
MW-3		< 1,000	140	110	< 10	< 10	21	20	200	4,400	< 10
MW-4		1,600	180	370	6.5	68	93	< 1.0	10	13	1.1 (DIPE)
MW-5		1,300	150	2.4	< 0.5	0.77	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
MW-6		1,000	390	2.7	< 0.5	< 0.5	< 0.5	2.3	48	280	< 0.5
MW-7		4,800	< 300	640	16	250	490	< 1.5	31	590	< 1.5

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

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
MW-8		< 2,000	200	110	< 20	26	49	25	< 200	8,600	< 20
MW-9		12,000	< 1,500	890	37	280	2,000	< 5.0	< 50	< 5.0	< 5.0
ESL		500	640	46	130	290	13	NE	NE	1,800	Varies

Notes:

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (February 20005)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Concentrations exceeding ESLs are in **Bold**.

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

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

* = Hydrocarbons reported as TPH-D do not exhibit a typical diesel chromatographic pattern.

** = Hydrocarbons reported as TPH-G do not exhibit a typical gasoline chromatographic pattern.