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June 28, 2006

REPORT
of
SOIL AND GROUNDWATER ASSESSMENT
AND
CORRECTIVE ACTION PLAN
ASE JOB NO. 3934
at
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, California

Submitted by:
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1.0 INTRODUCTION

This submittal presents Aqua Science Engineers, Inc. (ASE) soil and groundwater assessment and remedial action plan for 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). This report supplements ASE's September 29, 2005 report entitled "Interim Report of Soil and Groundwater Assessment and Workplan for Additional Activities."

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

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-feet 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-feet bgs in MW-4 and 15-feet 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.

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 appears 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 is 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. This report presents the methods and findings of an assessment conducted based on these recommendations.

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 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.

3.0 SCOPE OF WORK (SOW)

The purpose of this assessment was to further define the extent of soil and groundwater contamination at the site and to conduct vapor extraction and sparging tests. The scope of work performed was as follows:

1) Obtain drilling permits from the Alameda County Public Works Agency.

2) Obtain an encroachment permit from the City of Albany to drill in the San Pablo Avenue sidewalk area.

3) Obtain access agreements from the property owners at 810 San Pablo Avenue and 744 San Pablo Avenue to drill soil borings on their properties.

4) Drill soil borings in on and off-site locations using a sonic drill rig to a depth of 50-feet bgs collecting soil samples continuously and collecting groundwater samples from adjacent borings using a Hydropunch sampler.

5) Following collection of the soil and groundwater samples, backfill the borings described in task 4 with neat cement placed by tremie pipe.

6) Analyze soil and groundwater samples collected from each boring described in task 4 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) Install three ozone sparging wells at the site.

8) Install three vapor extraction wells at the site.

9) Conduct a vapor extraction test at the site.

10) Conduct an air sparging test at the site.

11) Prepare a report presenting the results from the soil and groundwater assessment and prepare a corrective action plan for the site.

4.0 DRILL SOIL BORINGS AND COLLECT SAMPLES

4.1 Obtain Necessary Permits

Prior to drilling, ASE obtained a drilling permit from the ACPWA. ASE also obtained an encroachment permit from the City of Albany to allow for drilling in their street area. Copies of the permits are presented in Appendix A.

4.2 Obtain Necessary Access Agreements

ASE obtained access agreements from the owners of the properties located at 810 San Pablo Avenue and 744 San Pablo Avenue to allow for drilling on their properties. In addition, ASE drilled a boring on 744 San Pablo Avenue for Steve's Auto Care, the owner of that property. The data from that boring is also included in this report as Tables Four and Five.

4.2 Drilling and Soil Sample Collection

Between January 30, 2006 and February 2, 2006, Precision Sampling of Richmond, California drilled soil borings BH-R through BH-X using an EP Sonic drill rig. The EP Sonic drill rig uses a conductor casing which seals off shallower water-bearing zones to minimize the possibility of cross-contamination. 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. The boring locations are shown on Figure 2. The drilling was directed by ASE geologists David Rains and Robert Kitay.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description and for possible chemical analysis. The samples were collected by driving a sampler lined with acetate tubes. Selective soil samples were immediately cut, sealed with Teflon squares and plastic end caps, and 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 were placed into an ice chest containing wet ice for delivery under chain of custody to a CAL-DHS certified analytical laboratory under chain of custody documentation.

Soil from the remaining tubes was described by the site geologist using the Unified Soil Classification System (USCS) and was screened for VOCs using a photoionization detector (PID). The soil was screened by emptying soil from one of the sample tubes into a plastic bag. The bag was then sealed and placed in the sun for approximately 10 minutes. After the volatile compounds were allowed to volatilize, the PID measured the vapor in the bag through a small hole punched in the bag. PID readings are used as a screening tool only, since the procedures are not as rigorous as those used in the laboratory. The PID readings are listed on the boring logs presented in Appendix C.

4.3 Groundwater Sample Collection

Once groundwater was encountered, a temporary PVC well casing was driven into place for the collection of groundwater samples. Groundwater samples were removed from the boring with a

pre-cleaned bailer. The groundwater samples were contained in 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, and sealed without headspace. The samples were then labeled and stored in an ice chest with wet ice for transport to the analytical laboratory under chain of custody.

Groundwater samples from deeper water-bearing zones were collected using a Hydropunch. The Hydropunch was driven into the targeted zone in a boring drilled immediately adjacent to the boring drilled for soil samples and lithology, and the rods were then checked to verify that there was no leakage of groundwater prior to opening. Once the rods were shown to be dry, the Hydropunch screen was then opened and groundwater was allowed to enter the rods. Groundwater samples were then collected from within the rods using a bailer. Groundwater samples were then be decanted from the bailer into 40-ml VOA vials, preserved with hydrochloric acid and sealed without headspace. The samples were then 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 were then 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.

Additional deeper water samples were obtained in the same boring by placing a closed Hydropunch back into the same boring and continuing into the next deeper targeted zone for sampling, and then repeating the sampling process.

4.4 Decontamination and Borehole Backfilling

Drilling equipment was cleaned with an Alconox solution between sampling intervals and between borings to prevent potential cross-contamination. Following collection of the soil and groundwater samples, each boring was backfilled with neat cement to the ground surface.

5.0 LITHOLOGY AND HYDROGEOLOGY

Boring logs are presented in Appendix C. Geologic cross-section A-A' was prepared for the site. The cross-section location is shown on Figure 3. The geologic cross-section is shown on Figure 4.

6.0 ANALYTICAL RESULTS FOR SOIL AND GROUNDWATER SAMPLES

6.1 Soil Sample Analysis

Selective soil samples were analyzed by Kiff Analytical, LLC (Kiff) of Davis, California (ELAP #2236) for TPH-G, benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), and fuel oxygenates by EPA Method 8260B, and TPH-D by EPA Method 8015. The analytical results are tabulated in Table Two. The certified analytical report and chain of custody are presented in Appendix D.

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 Environmental Screening Levels (ESLs) for residential soil in areas where groundwater is not a

current or potential source of drinking water. The ESLs are established by the California Regional Water Quality Control Board, San Francisco Bay Region and are presented in the "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" dated February 2005.

6.2 Groundwater Sample Analysis

The groundwater samples were analyzed by Kiff for TPH-G, BTEX, and fuel oxygenates by EPA Method 8260B, and TPH-D by EPA Method 8015. The analytical results are tabulated in Table Three. The certified analytical report and chain of custody are presented in Appendix D. Isoconcentration maps for the highest concentrations of TPH-G, benzene and MTBE in groundwater samples collected from borings between 20 and 35-feet bgs are presented as Figures 5, 6 and 7, respectively. ASE urges extreme caution in interpreting these maps as data was (a) collected only from borings and not monitoring wells, (b) collected from samples from different depths between 20 and 30-feet bgs, and (c) collected on different dates and therefore does not consist of a single snapshot in time. Although ASE urges caution in reading these maps, ASE has included the maps since some trends in the distribution of different constituents may be noted from them. Monitoring well data was not used in these maps as it was believed that monitoring well data may add additional uncertainties especially since hydrocarbon concentrations are usually higher in samples collected from borings than in samples collected from monitoring wells.

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.

7.0 INSTALLATION OF VAPOR EXTRACTION AND OZONE SPARGING WELLS

7.1 Drilling Permits

Prior to drilling, ASE obtained drilling permits from the ACPWA. Copies of the permits are presented in Appendix A. ASE also notified USA to have underground public utilities in the vicinity of the site marked prior to drilling.

7.2 Vapor Extraction Well Installation

ASE installed vapor extraction wells VE-1 through VE-3 to allow a vapor extraction test to be conducted at the site. Details of the well construction are presented below.

7.2.1 Drill Borings for the Installation of Vapor Extraction Wells

On December 21 and 22, 2005, Precision Sampling of Richmond, California drilled borings VE-1 through VE-3 at the site using a drill rig equipped with 8-inch diameter hollow-stem augers (Figure 8). Vapor extraction wells VE-1 through VE-3 were subsequently constructed in these borings. The drilling was directed by ASE geologist Robert E. Kitay, P.G.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push. Boring logs are presented in Appendix C. Drilling equipment was cleaned with an Alconox solution between sampling intervals to prevent potential cross-contamination.

7.2.2 Vapor Extraction Well Construction

Vapor extraction wells VE-1 through VE-3 were constructed within the hollow-stem augers using 2-inch diameter flush-threaded, schedule 40, 0.020-inch slotted PVC well screen and blank casing. VE-1 and VE-2 were screened between 6 and 16-feet bgs, and VE-3 was screened between 5 and 10-feet bgs since water was present in VE-1 and VE-2 on the day following their installation. The well casing was lowered through the augers and #3 filter pack sand was placed in the annular space between the well casing and the borehole from the bottom of the boring to 1-foot above the screened interval. A 0.5-foot thick layer of bentonite pellets was placed on top of the sand pack. The bentonite was hydrated with water prior to placing the cement sanitary seal. Cement was used to fill the annular space between the bentonite layer and the surface to prevent surface water from infiltrating into the well. The well head is protected with a locking well plug beneath an at-grade, traffic-rated well box. Well construction details are shown on the boring log in Appendix C.

7.3 Ozone Sparging Well Installation

ASE installed ozone sparging wells OS-1 through OS-3 to conduct an air sparging test at the site. Details of the well construction are presented below.

7.3.1 Drill Borings for the Installation of an Air Spaging Well

On December 21 and 22, 2005, Precision Sampling of Richmond, California drilled borings OS-1 through OS-3 at the site using a drill rig equipped with 8-inch diameter hollow-stem augers (Figure 8). Ozone sparging wells OS-1 through OS-3 were subsequently constructed in these borings. The drilling was directed by ASE geologist Robert Kitay, P.G.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push. Boring logs are presented in Appendix C. Drilling equipment was cleaned with an Alconox solution between sampling intervals to prevent potential cross-contamination.

7.3.2 Ozone Sparging Well Construction

Ozone sparging wells OS-1 through OS-3 were constructed within the hollow stem augers. The ozone-sparging wells were constructed with 3/4-inch diameter PVC well casing with a 2-inch diameter by 30-inch long sparge point with 10-50 micron perforations at the bottom. These sparge points were placed in the location of the permeable water-bearing zone between 17.5-feet bgs and 20-feet in OS-1, and between 19.5 and 22-feet bgs in OS-2 and OS-3. Lonestar #2/16 sand was placed between the sparge point and the boring from the bottom of the boring to 1-foot above the top of the sparge point. A 0.5-foot thick bentonite layer was placed between the sandpack and the overlying cement sanitary seal. A Portland cement sanitary seal was placed above the bentonite layer using a tremie pipe to prevent surface water from infiltrating into the well. The well heads are protected with a locking well plug beneath an at-grade, traffic-rated well box

8.0 VAPOR EXTRACTION TEST

8.1 Scope of Work

On March 27, 2006, ASE employees Brad Mann and David Rains conducted a vapor-extraction (VE) test at the site. The test was designed to (a) remove soil gas from vapor extraction well VE-2 using a rotron-type, electric vacuum-blower, (b) measure vacuum and the amount of air flowing from VE-2, and (c) determine if that vacuum can influence the vadose zone in nearby observation wells. Just prior to the removal of soil gas from well VE-2, vapor extraction wells VE-1 and VE-3, and monitoring wells MW-2, MW-3, and MW-6 were fitted with sealed caps and negative-pressure gauges to record any increase in negative pressure within these wells located at various distances from VE-2.

8.2 Vapor-Extraction System Test Components

The equipment used during this test included:

- A 5-Hp, electric, rotron-type vacuum blower that is capable of a maximum of 80-inches of water column (IWC) vacuum, and a maximum of 150 cubic feet per minute (cfm) flow rate
- A moisture knock-out drum
- Four (4) 250 pound activated carbon units, plumbed in series,
- Various valves, pressure and negative-pressure gauges, and an air-flow gauge,
- A water level meter,
- A PID

8.3 Operating Parameters

- The blower operated at a vacuum ranging from 40 to 50 IWC on vapor extraction well VE-2 during the test.
- The airflow extracted from well VE-2 never measured higher than 5 cfm during the entire test. For the most part, the flowmeter never showed a measurable flow of air being extracted from well VE-2.

- A soil gas temperature ranging from 62 to 66 degrees farenheight.
- The depth to groundwater within well VE-2 was measured at 6.75 feet prior to initiation of the test.

The test began at 0800 and continued until 1600 when it was obvious that the subsurface soil was not permeable enough to support the use of VE technology.

Test data is included in Appendix E. The following conditions were achieved during the test.

- The vacuum imposed on extraction well VE-2 ranged from 50 IWC at the beginning of the test to 40 IWC near the end of the test.

- The airflow coming from VE-2 was basically immeasurable during the entire length of the test, allowing only approximately 5 cfm of air from VE-2 for only a brief period at the start of the test.

- Only 5 gallons of groundwater were removed from well VE-2 during the entire duration of the test.

- The influence of the extraction well was measured on the surrounding observation wells during the test. None of the wells showed any increase of negative pressure, due to the inability to remove air from the extraction well because of low-permeability soils.

- PID readings were taken from the extracted air on an hourly basis during the test. PID readings ranged from a high of 275 ppm to a low of 12 ppm at the end of the test.

- The groundwater elevation was measured at 6.50-feet in VE-2 at the end of the test.

- A vapor sample was collected from the influent vapor stream in a Tedlar bag during the test. This sample was analyzed for TPH-G by modified EPA Method 8015, BTEX by EPA Method 8021B, and oxygenates by EPA Method 8260B by McCampbell Analytical, Inc. of Pacheco, California (ELAP #1644). The certified analytical report is attached in Appendix F. The only hydrocarbons detected were 0.92 ug/L benzene, 0.84 ug/L toluene, 0.33 ug/L ethylbenzene, and 1.2 ug/L total xylenes. No TPH-G or oxygenates were detected.

- All extracted hydrocarbon vapors were passed through the activated carbon canisters prior to venting to the atmosphere.

The data gathered during the vapor-extraction test proved that the technology of vapor extraction would not be a useful tool to capture a sizeable radius of impacted vadose zone hydrocarbons.

9.0 OZONE SPARGING TEST

9.1 Scope of Work

An air sparging test was conducted to determine whether ozone-sparging may be an effective method of remediation for the site. The ozone-sparging test was conducted by injecting compressed air into ozone-sparging well OS-2 at a rate of approximately 3-4 cubic feet per minute (cfm) and 20-50 pounds per square inch (PSI). This flow and pressure are typical operating parameters of current ozone-sparging generation systems on the market today. Pressure and water levels in the other ozone sparge wells and surrounding monitoring wells were monitored to determine whether there is any pressure increase in the vadose zone or mounding of the water table. Injected air pressure and flow was adjusted to determine future design criteria of the ozone sparging system.

An alternate test technique was also used whereby we injected a tracer gas, helium, into the air stream at a rate of approximately 15 - 25 cubic feet per hour (cfh). A helium detector was then used to measure the concentration of helium, if any, in the surrounding observation wells. The presence of helium in the surrounding wells would be an indication of the area of influence.

On April 26, 2006, ASE employees David Allen and Robert Kitay, conducted the air sparging test at the site. Air-sparging well OS-2 was chosen as the injection well due to its proximity in relation to air-sparging wells OS-1 and OS-3. Two monitoring wells MW-2 and MW-6 and vapor extraction well VE-2 were used for observation of influence form the injected air/helium mixture.

9.2 System Test Components

The equipment used during this test included:

- A 5.75-Hp, 13-gallon, oil-free electric air compressor,
- A 300 cubic foot compressed helium tank and regulator,
- Various valves, pressure gauges and flow gauges,
- A water level meter,
- A helium detector
- A PID

9.3 Operating Parameters

- The electric air-compressor was fitted with a regulator and flowmeter that allowed for an initial discharge pressure of approximately 50 psi, and a flow of approximately 3-4 cfm.
- The compressed helium tank was outfitted with a regulator that could meter the volume of helium released into the injection well. Initially, the test was designed for approximately 20-25 cfh of helium. The regulator had a fixed-point pressure of 25 psi.
- The top of the injection well was outfitted with a pressure gauge, which measured the total pressure of the air/helium mixture. ASE initially projected an operating pressure of approximately 50 psi.

- The observation wells were outfitted with a cap that housed a sample port for helium readings, and a pressure gauge.

9.4 Performance of the Test

Prior to injection of air/helium mixture into ozone-sparge well OS-2, the water level was measured in monitoring wells MW-2, MW-3 and MW-6.

After the water levels were measured and the fittings were in place on the injection well and observation wells, the test was started. The test began at 0940. The injected air was regulated to 52 psi, the injected air flow was 3.5 cfm. The helium flow was regulated to 15 cfh. The pressure at the injection well, OS-2, was measured at 35 psi.

Readings were collected every hour as the test went on, and data sheets are included as Appendix G. The data was as follows:

- The air compressor tank pressure started at 52 psi, but decreased gradually each hour until it ended up at 18 psi at the end of the test. The air flow from the tank was measured at a high of 3.5 cfm, to a low of 3.0 cfm after four hours, at which the flowmeter malfunctioned, and had to be removed from the system. The air pressure at the injection well started at 35 psi, but decreased gradually each hour until it ended up at 12 psi at the end of the test. Helium was injected at 15 cfh for the first 4 hours, and then increased to a high of 25 cfh by the end of the test.

- Positive pressure was only identified in monitoring well MW-2 for only approximately one hour. For the duration of the test, positive pressure was no longer present in MW-2, approximately 20-feet away from the injection well. Positive pressure was immediately present in vapor extraction well VE-2, only 2-feet away from the injection well. Positive pressure was present in VE-2 for the duration of the test.

- Helium was primarily observed in only one of the observation wells, OS-3, which is approximately 20-feet away from the injection well. Helium was measured at concentrations ranging from 0.20% at the beginning of the test to a low of 0.08% during the duration of the test. Helium was present in OS-3 for the duration of the test. Helium was also identified in VE-2 immediately at 1.0% and then 7.3% one hour later. Helium readings were not taken from VE-2 for the remainder of the test. A helium detection of 0.03% to 0.04% was identified in wells MW-3, MW-6 and VE-3, but only once at different times, where the rest of the test showed no helium detections in those wells.

9.5 Water Level Measurements

After the air-injection activities were completed, the water levels were again measured in monitoring wells MW-2, MW-3 and MW-6. The water level rose 0.01-feet in MW-2, and 0.02-feet in MW-3 and MW-6.

9.6 Test Findings

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.

10.0 GROUNDWATER ELEVATIONS

The top of casing elevation, ground surface elevation and horizontal location of each well was surveyed to Geotracker standards by CSS Environmental Services, Inc. of Novato, California on April 26, 2006. A copy of the survey is included as Appendix H.

On March 6, 2006, 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 Six. A groundwater potentiometric surface map is presented as Figure 9. The groundwater flow direction and gradient beneath the site is very inconsistent this quarter with flow direction components to the north, east, and south.

11.0 REMEDIAL OPTIONS

The following lists typical remediation options for soil and groundwater contamination from petroleum-hydrocarbons currently in use in northern California.

11.1 Soil Overexcavation

This remedial option involves the excavation of contaminated soil and either treating the soil on-site or transporting the soil to an off-site treatment or disposal facility. On-site soil treatment is usually by aeration or bioremediation. Advantages of this method is that it is the fastest and most effective method in treating contaminated soil, and removes contaminated soil which could act as a source for groundwater contamination. The disadvantages of this method are that (a) it would require the closure of the on-site business for an extended period of time, (b) it may require the removal of soil surrounding the UST and fuel dispensing system (possibly endangering the integrity of these systems), (c) it may cause significant nuisance odors, and possibly unhealthy hydrocarbon concentrations in the air in the site vicinity, (d) it does not directly remediate contaminated groundwater beneath the site, and (e) is very expensive at properties where USTs are still in service.

Given the disadvantages of this method, this method is not seen as a viable remediation alternative for the site at this time.

11.2 Air Sparge and Soil Vapor Extraction

Soil vapor extraction remediation entails the removal of hydrocarbons from the ground in-situ. These vapors are removed through vapor extraction wells placed in contaminated areas. The

vapors are removed through wells by a vacuum source and abated by one of several methods such as an internal combustion (IC) engine, a thermal oxidizer, or carbon absorption.

Vapor extraction technology is often used in conjunction with air sparging. Air sparging is the injection of air beneath the water table, generally at the bottom of an unconfined aquifer. Air bubbles rise through the saturated zone volatilizing hydrocarbons and forcing the hydrocarbons into the vadose (unsaturated) zone. The hydrocarbons are then subsequently removed from the vadose zone using soil vapor extraction. The addition of air through air sparging may also stimulate bioremediation.

ASE conducted a vapor extraction feasibility test at the site that showed that the site was not conducive to vapor extraction due to the low permeability of the clay rich sediments in the vadose zone. Conventional air sparging remediation requires the removal of hydrocarbons from the vadose zone with soil vapor extraction once they have volatilized from the saturated zone; therefore, it does not appear that air sparging/soil vapor extraction would be a suitable remediation alternative for the site.

Based on the soil conditions in the vadose zone, conventional air sparging and soil vapor extraction should be eliminated for consideration as a remediation alternative for the site.

11.3 Groundwater "Pump and Treat"

Groundwater "pump and treat" is a method in which contaminated groundwater is pumped from a pumping well to the surface and then treated in one of several ways such as air stripping, carbon absorption, ultraviolet (UV) peroxidation, etc. prior to disposal. Historically, "pump and treat" has had limited success in groundwater remediation for several reasons, particularly that hydrocarbons have a high affinity to soil, that soil in the capillary zone often goes untreated, and that it takes long periods of time to remove significant volumes of hydrocarbons when the hydrocarbon concentrations in groundwater are in the parts per billion range. "Pump and treat" is, however, considered an effective method of containing a plume and preventing further migration of contamination downgradient. This is because the water table is drawn down and groundwater surrounding the pumping wells flow toward the pumping well.

Although no pumping tests have been conducted at the site, it appears that there is a significant volume of hydrocarbon mass in the vadose zone that will be completely unaffected by "pump and treat" since the water table is drawn down. The addition of vapor extraction to form "dual-phase extraction" to alleviate this problem does not appear to be a viable solution due to the reason stated in section 11.2. Although "pump and treat" could be used to control the hydrocarbon plume from leaving the site, it appears that a significant mass of hydrocarbons have already left the site, and although a pumping test has not been conducted, it is safe to say that pumping will not be able to draw the plume back to the site.

For these reasons, "pump and treat" should not be considered as a remediation option for the site at this time until other potential remediation alternatives are explored. Although some plume control may be possible, it would be more cost effective and efficient to treat hydrocarbons beneath the site using other form of soil and groundwater remediation.

11.4 In-Situ Bioremediation

There are several options to achieve in-situ bioremediation, which involves increasing the amount of dissolved oxygen in the groundwater to enhance naturally occurring aerobic bacterial degradation of petroleum hydrocarbons in-situ. It has been known for some time that naturally occurring bacteria readily degrade (digest) petroleum hydrocarbons into harmless byproducts. Although anaerobic bacteria will degrade petroleum hydrocarbons, the rate is much slower than with aerobic bacteria. Depleted levels of oxygen appear to be the primary limiting factor for aerobic bacterial activity. Two common methods of increasing dissolved oxygen in groundwater are injection of hydrogen peroxide and one-time application of Oxygen Releasing Compound (ORC). Advantages for this type of remediation include (a) it is very low cost, (b) it is a passive, unintrusive method for groundwater remediation, (c) there is little or no equipment to maintain, and (d) it often works very quickly. Disadvantages include (a) it is not effective at all sites since it is very dependent on groundwater flow rates, (b) soil remediation is also required using these methods, (c) in-situ bioremediation is not typically as effective on MTBE as on other hydrocarbons, and (d) additional applications may be required if using ORC.

Since there is a significant mass of MTBE beneath the site and in-situ bioremediation is not as effective on MTBE as on other hydrocarbons, ASE is not considering the use of in-situ bioremediation as a primary remediation option for the site at this time.

11.5 In-Situ Chemical Oxidation

In-situ chemical oxidation/reduction involves injecting an oxidant to the subsurface, which will destroy organic hydrocarbons. The three most common oxidants are peroxide, permanganate and ozone. Oxidation using liquid hydrogen peroxide in the presence of ferrous iron (native or supplemental) produces Fenton's Reagent, which yields free hydroxyl radicals, which is a strong oxidizer. These strong oxidants can rapidly degrade a variety of organic compounds. Permanganate can cause numerous complex reactions that can destroy organic compounds. The use of either peroxide or permanganate requires the injection of liquid into the water bearing zone and/or vadose zone. The low permeability clay-rich soils in the vadose zone beneath the site will not accept these liquids. This would allow potential remediation in the water-bearing zone, but will have little effect in the potential source of hydrocarbons in the vadose zone.

Ozone, however, is injected as a gas into sparging wells. Ozone can oxidize contaminants directly or through the formation of hydroxyl radicals, much the same way as peroxide. In situ decomposition of ozone can also lead to beneficial oxygenation and biostimulation. Although conventional air sparging was ruled out as a feasible remediation alternative for the site due to the inability to vapor extract in the vadose zone, sparging itself may work for ozone injection since soil vapor extraction is not required. In addition, since a gas is injected, it may be possible for some remediation to also take place in the vadose zone as well. An air sparging test has been completed for the site that confirmed the site's ability transmit gasses in the subsurface. Based on this test, it is likely that ozone sparging would be possible at the site.

In-situ chemical oxidation, namely by ozone sparging, appears to be a viable means of remediation for the site. This method would be much more cost effective than "pump and treat" and may also allow for remediation in the vadose zone in the source areas.

12.0 SELECTION OF REMEDIATION TECHNOLOGY

Based on the available remediation options, ASE recommends ozone sparging as a remediation alternative for the site. This remediation alternative should allow for remediation in the water-bearing zone, and possibly may have some effect on remediation in the vadose zone as well. Assuming that the ACHCSA concurs with this selection, ASE recommends that a remedial action plan (RAP) be prepared presenting a specific and detailed design for an ozone sparging system.

13.0 CONCLUSIONS

- In general, the analytical results show that elevated hydrocarbon concentrations continue to be present both on and off-site.

- 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 site appears to be suitable for remediation using ozone sparging technology.

- Vapor extraction does not appear to be a suitable remediation alternative for the site.

- The extent of hydrocarbons to the north of the site is not yet defined. Additional borings are needed north of the site to complete the definition of the extent of hydrocarbons to the north.

- The extent of hydrocarbons to the west is 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 does not recommend any further definition of the extent of hydrocarbons to the west at this time.

14.0 RECOMMENDATIONS

ASE recommends the following.

- Prepare a Remedial Action Plan (RAP) designing an ozone sparging groundwater remediation system for the site.

- Drill an additional boring north of BH-V to further define the extent to hydrocarbons to the north.

15.0 REPORT LIMITATIONS

The results of this assessment represent conditions at the time of the soil and groundwater sampling, at the specific locations at which the samples were collected, and for the specific parameters analyzed by the laboratory.

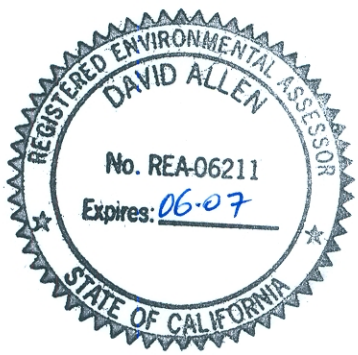
This report does not fully characterize the site for contamination resulting from unknown sources or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

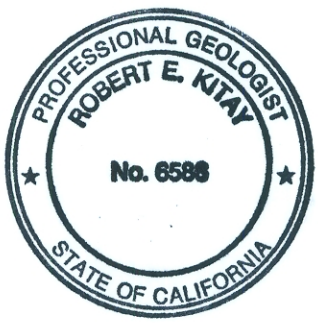
Aqua Science Engineers appreciates the opportunity provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Allen, R.E.A.
Vice President



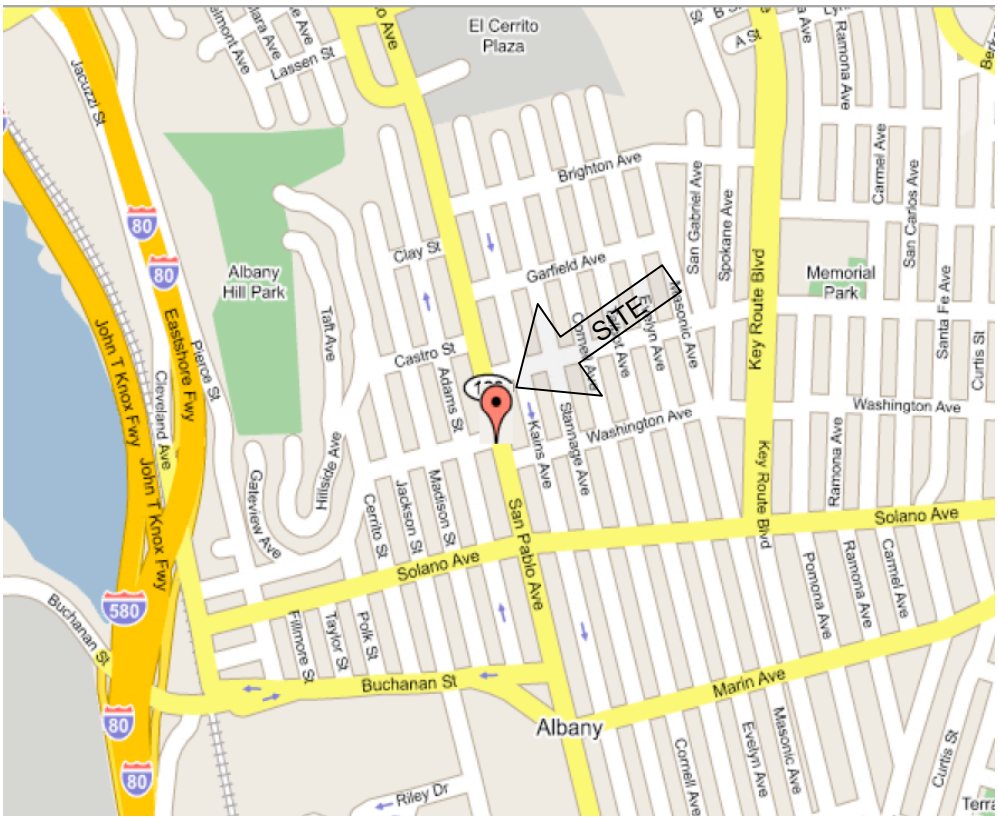


Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Figures 1 through 9
Tables One through Six
Appendices A through H

FIGURES

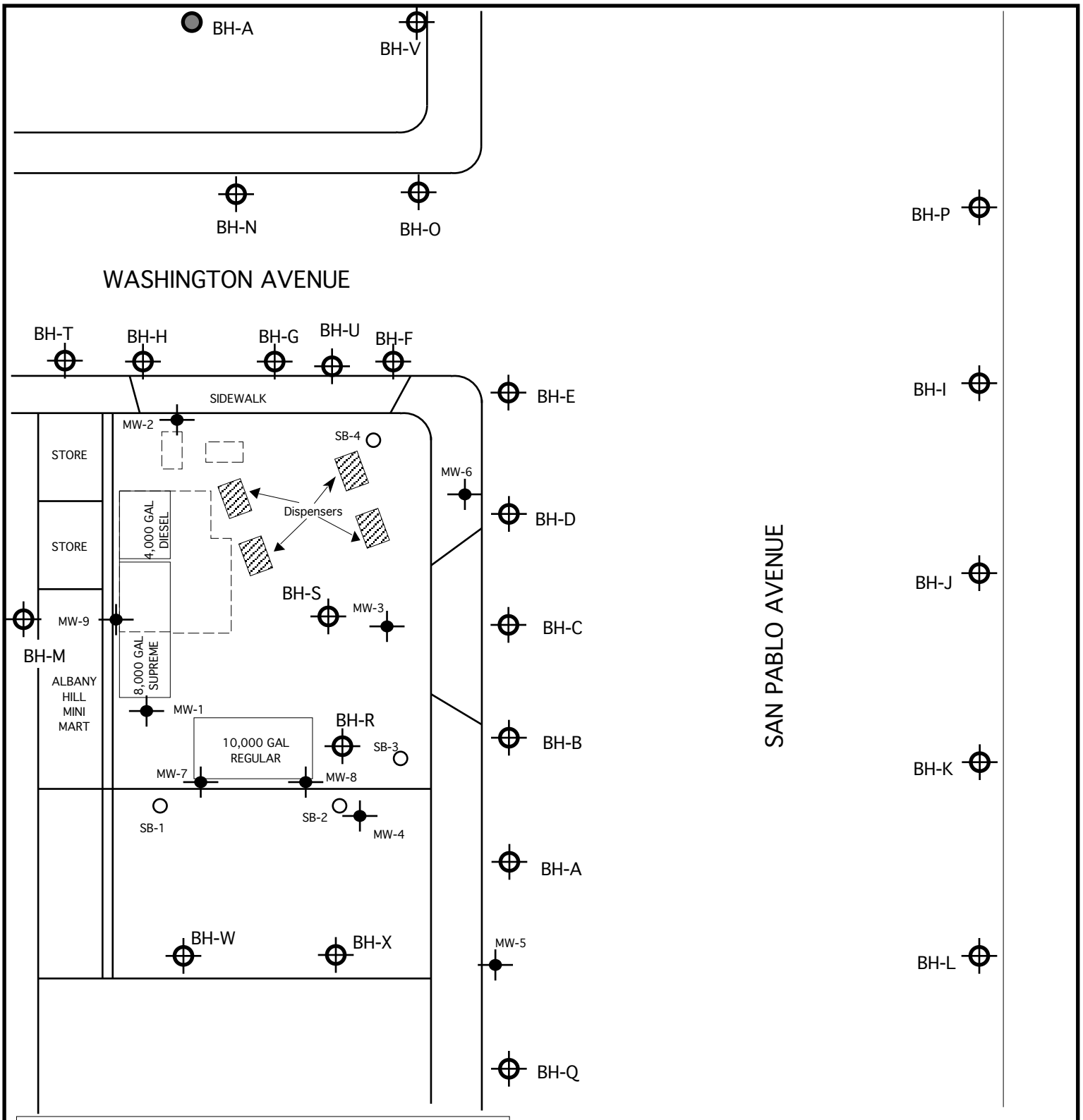
NORTH



LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVE
ALBANY, CALIFORNIA

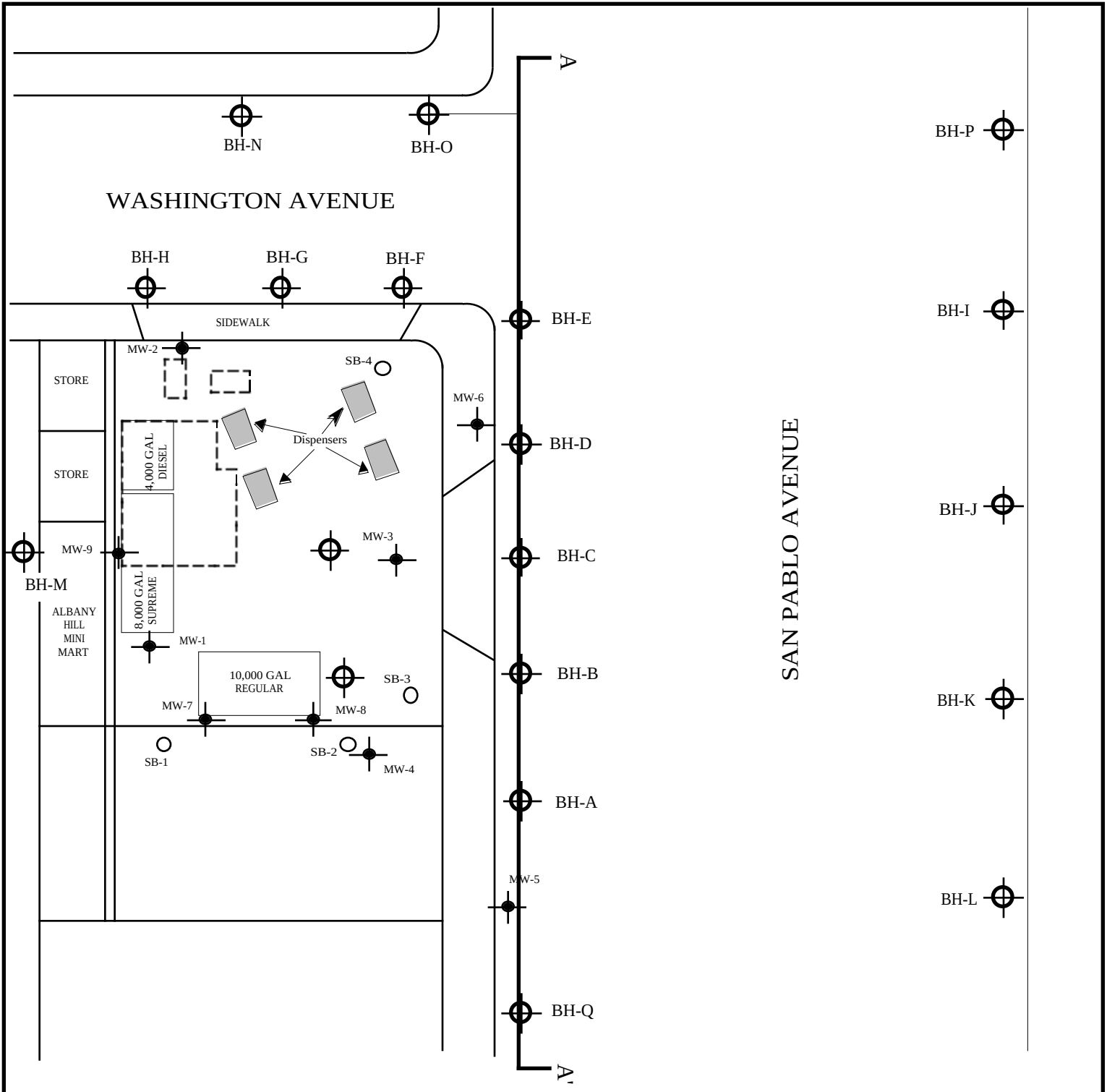
AQUA SCIENCE ENGINEERS | FIGURE 1



BORING AND WELL LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2



LEGEND

MW-2 — MONITORING WELL

SB-2 — SOIL BORING

BH-A — ASE ADVANCED SOIL BORING

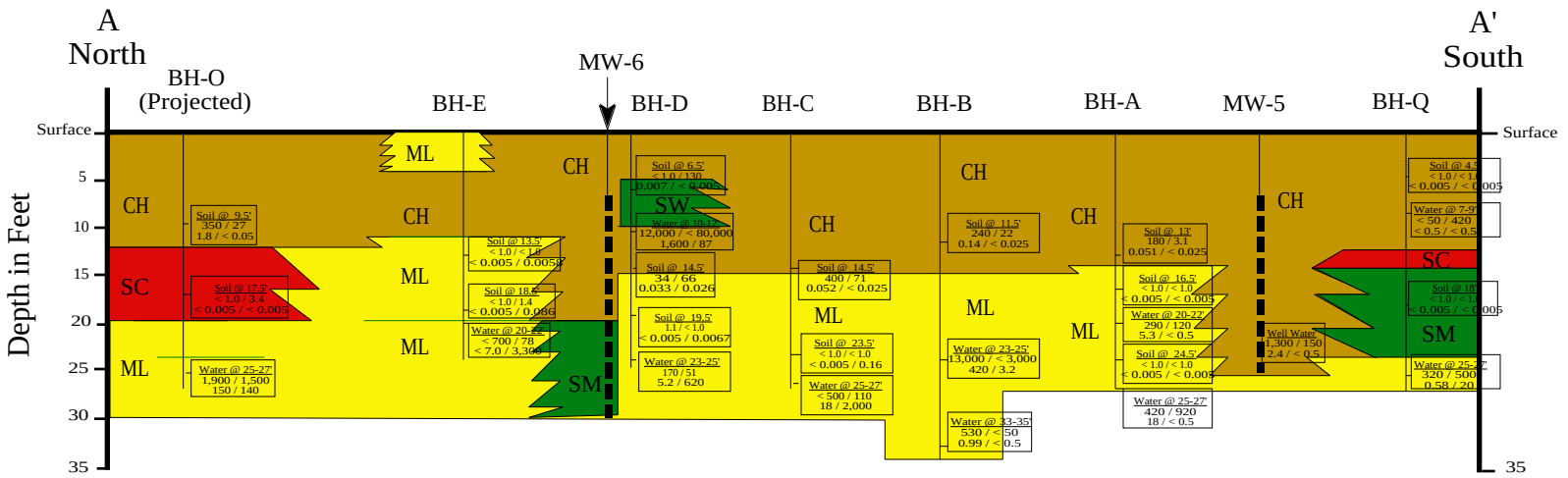
NORTH

SCALE: 1" = 20'

CROSS-SECTION LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 3



LEGEND

- Clay or Silty Clay (High Plasticity)
- Sandy Silt or Silty Sand
- Clayey Sand
- Sand, Silty Sand, or Sandy Silt within a Silty Sand
- Well Screened Interval
- Concentrations (ppm for soil and ppb for water) and Sample Depth

Water @ 23-25'
170 / 51
5.2 / 620

TPH-G / TPH-D
Benzene / MTBE

0 20

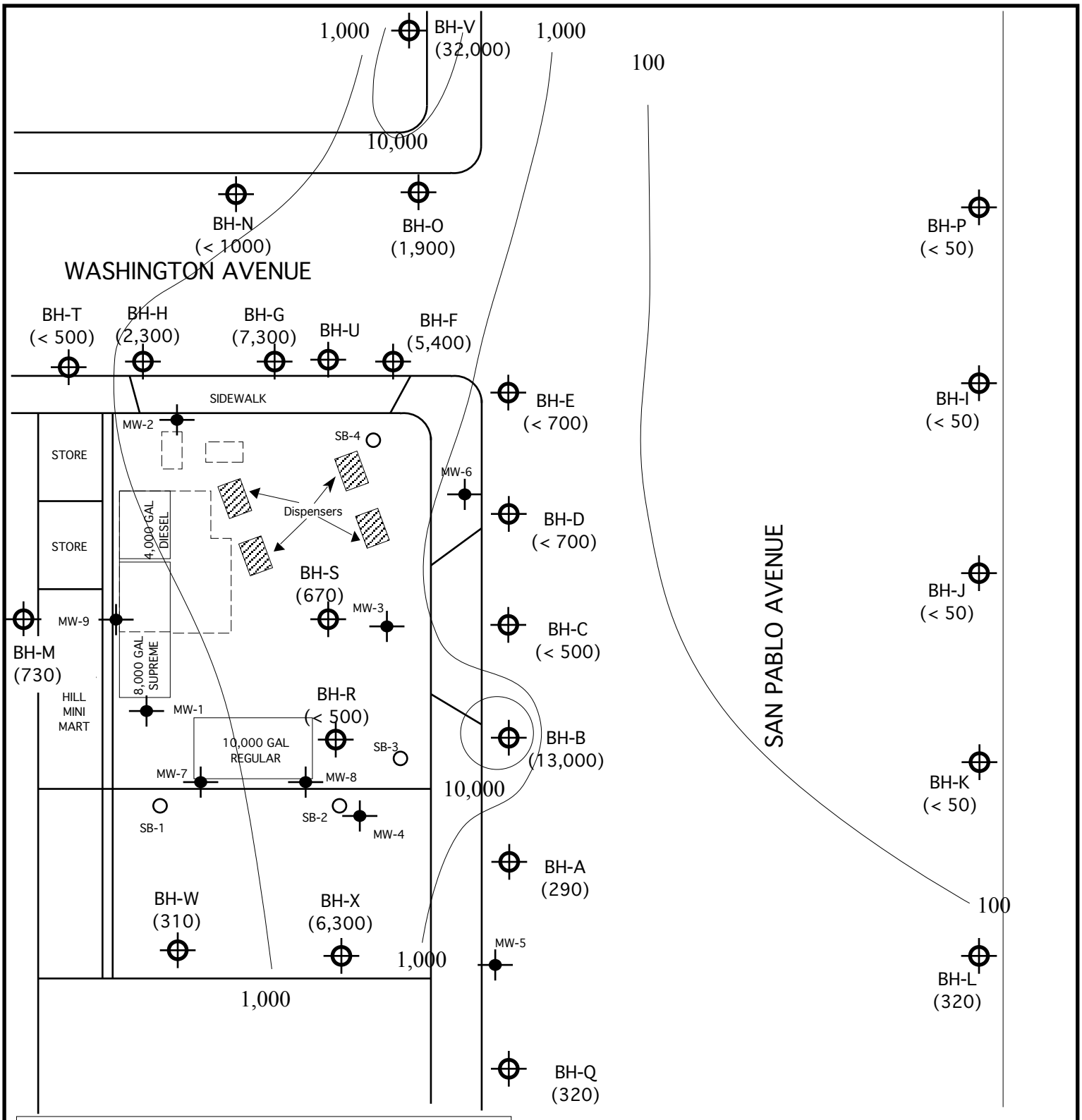
SCALE: 1" = 20'

No Vertical Exaggeration

CROSS-SECTION
A - A'

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 4



LEGEND

MW-2 — MONITORING WELL

SB-2 — SOIL BORING

BH-A — ASE ADVANCED SOIL BORING (WITH TPH-G CONCENTRATION)

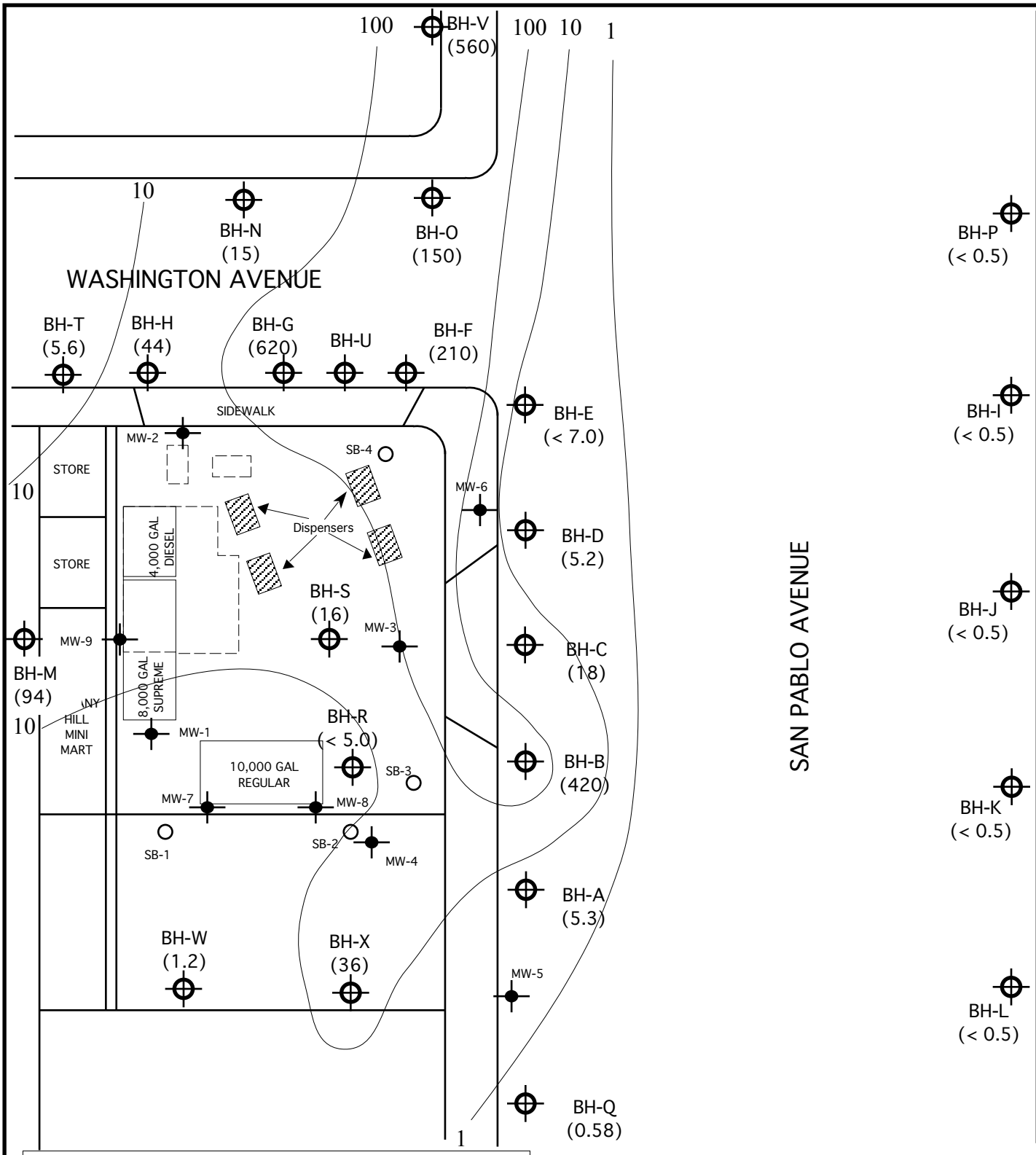
NORTH

SCALE: 1" = 20'

TPH-G ISOCONCENTRATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 5



LEGEND

MW-2 — MONITORING WELL

SB-2 — SOIL BORING

BH-A (5.3) — ASE ADVANCED SOIL BORING (WITH BENZENE CONCENTRATION)

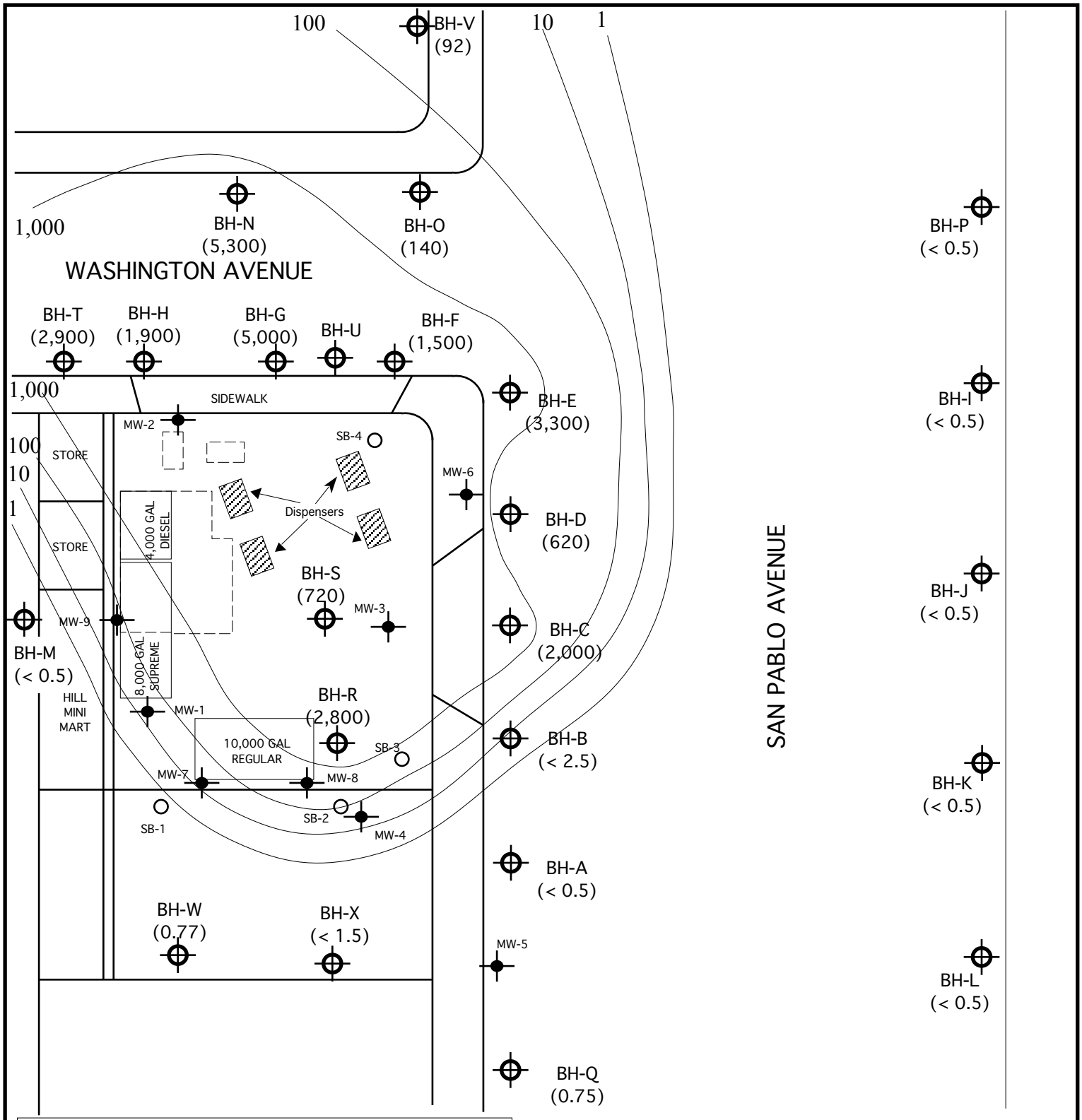
NORTH

SCALE: 1" = 20'

BENZENE ISOCONCENTRATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 6



LEGEND

MW-2 — MONITORING WELL

SB-2 — SOIL BORING

BH-A (< 0.5) — ASE ADVANCED SOIL BORING (WITH MTBE CONCENTRATION)

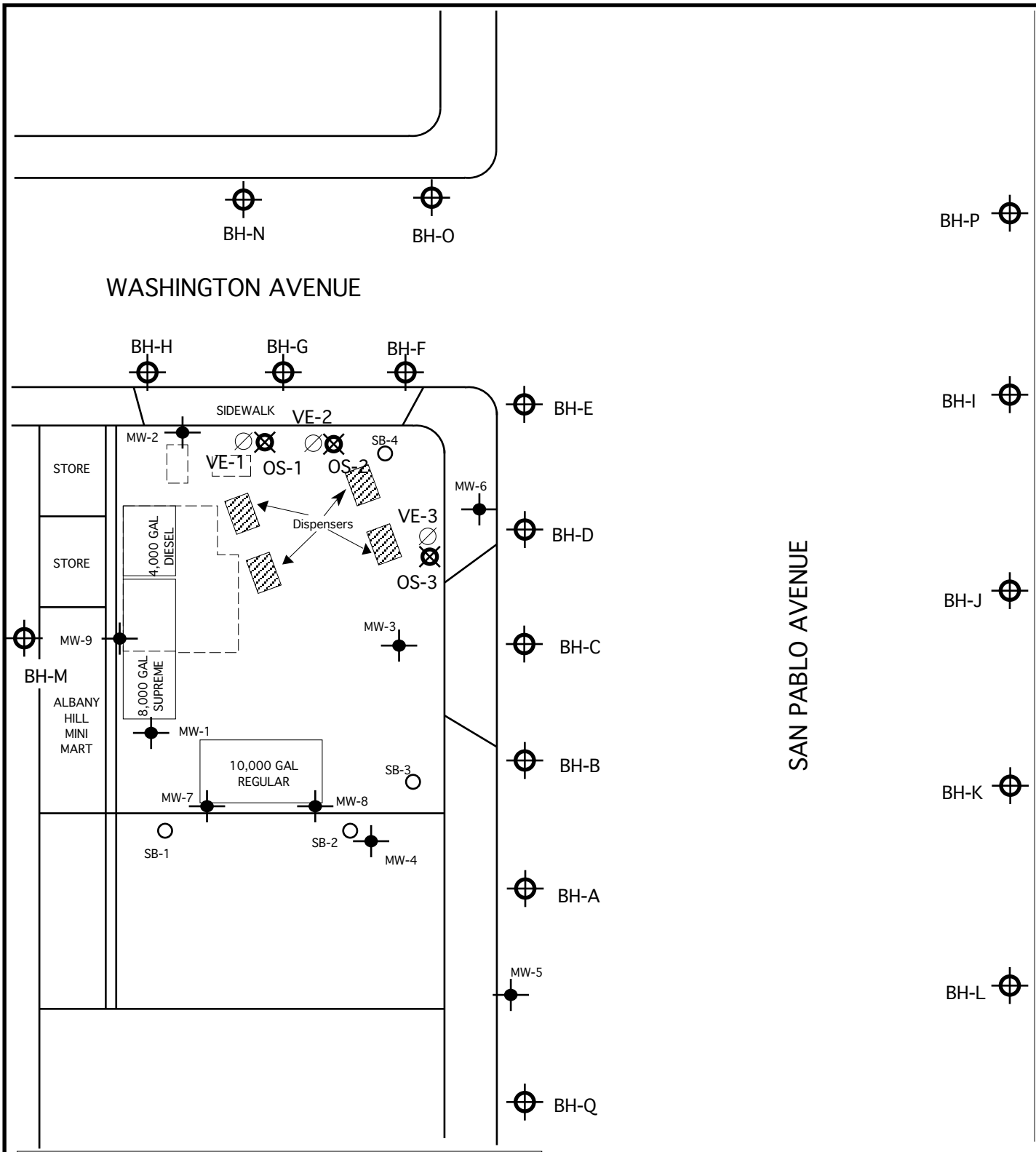
NORTH

SCALE: 1" = 20'

MTBE ISOCONCENTRATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 7



LEGEND

MW-2 — MONITORING WELL

SB-2 — SOIL BORING

BH-A — ASE ADVANCED SOIL BORING

OS-1 — OZONE-SPARGING WELL

VE-1

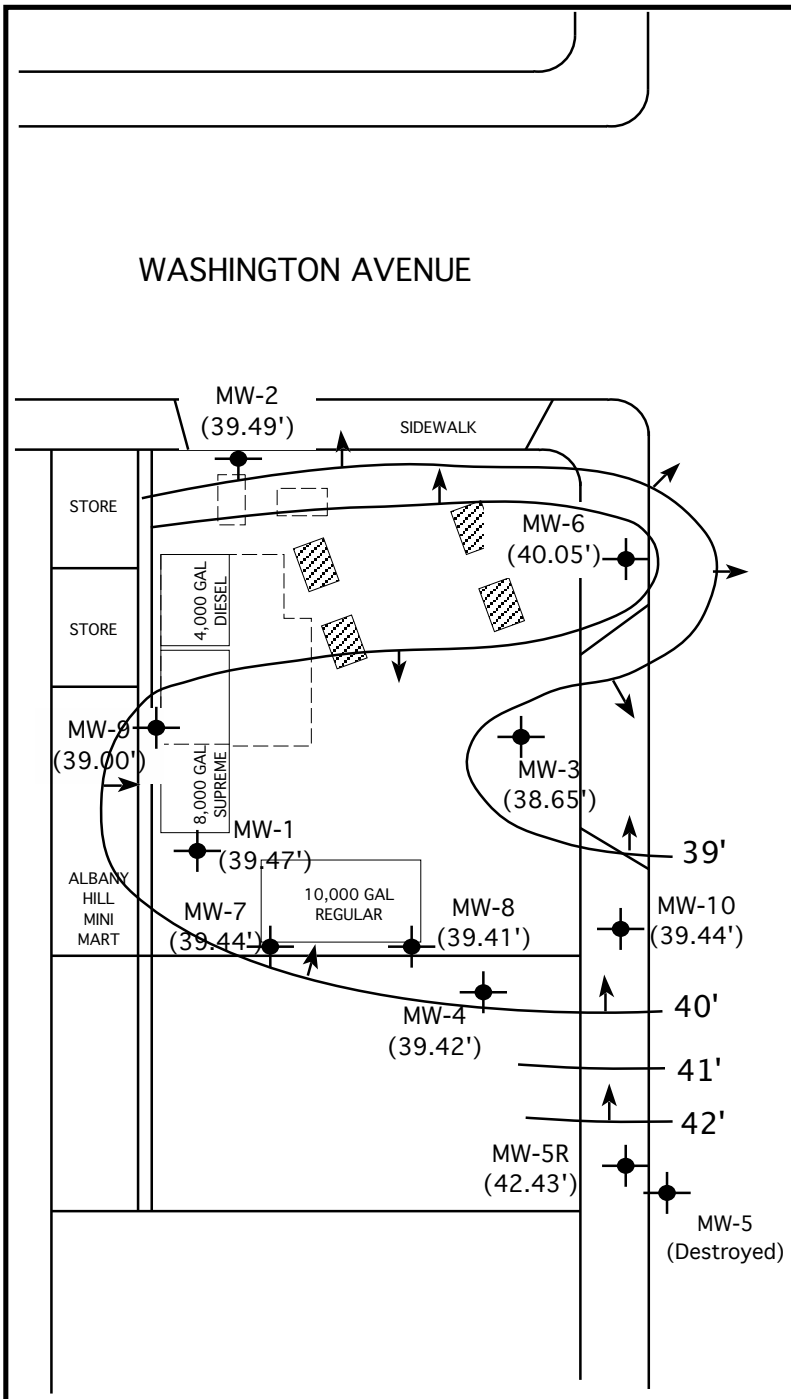
NORTH

SCALE: 1" = 20'

AIR-SPARGING & VAPOR EXTRACTION WELL LOCATION MAP

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 8



LEGEND

MW-9 (39.00') MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET

GROUNDWATER ELEVATION COUNTOUR LINE WITH FLOW DIRECTION

APPROXIMATE FORMER UST LOCATION

POTENTIOMETRIC
SURFACE CONTOUR MAP
MARCH 6, 2006

ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 9

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
	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. Inaccessable					
	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. Inaccessable**					

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. Inaccessable									
	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)**

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAME	TBA	MTBE	Other VOCs
BH-L	23.5	< 1.0	1.4	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
BH-M	14.5	**180**	61*	**1.4**	0.19	3.0	**15**	< 0.050	< 0.25	< 0.050	< 0.050
	20.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-O	9.5	**350**	27*	**1.8**	0.25	**5.3**	**16**	< 0.025	< 0.25	< 0.050	< 0.025
	17.7	< 1.0	3.4*	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-P	21.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-Q	4.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
	18	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
BH-R	15	< 1.0	51	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0097	< 0.0050	< 0.0050
	20	1.7	55	0.023	0.034	0.029	0.16	< 0.0050	0.11	0.11	< 0.0050
	24.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.11	0.26	< 0.0050
	29.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.056	< 0.0050
	34.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0081	< 0.0050
	39	< 1.0	3.0*	< 0.0050	< 0.0050	< 0.0050	0.014	< 0.0050	0.0078	0.018	< 0.0050
BH-S	14.5	8.1	21*	0.15	< 0.0050	0.13	0.29	< 0.0050	0.019	0.018	< 0.0050
	19.5	4.0	24*	0.018	0.0097	0.15	0.86	< 0.0050	0.045	0.078	< 0.0050
	29.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.037	< 0.0050
	35.0	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0067	< 0.0050
	37.5	< 1.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 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)**

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	< 50	420	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5
	25-27	320	500	0.58	0.74	< 0.5	0.62	< 0.5	< 5.0	20	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	< 500	640	5.6	< 5.0	< 5.0	5.4	6.3	30	2,900	< 5.0
	34-37	75**	450	0.65	0.64	< 0.5	0.85	< 0.5	< 5.0	180	< 0.5
BH-V	20-24	32,000	< 10,000	560	150	1,100	5,400	< 7.0	< 40	92	< 7.0
	30-32	23,000	< 4,000	330	93	730	3,600	< 5.0	< 25	< 5.0	< 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.

TABLE FOUR

Certified Analytical Results for **SOIL** Samples
Steve's Auto Care
744 San Pablo Avenue, Albany, CA
All results are in **parts per million (ppm)**

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Chloroform	Other VOCs
BH-A	15.0	< 1.0	< 1.0	< 10	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
ESL		500	640	640	0.38	9.3	32	11	5.6	1.9	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.

TABLE FIVE

Certified Analytical Results for **GROUNDWATER** Samples
Steve's Auto Care
744 San Pablo Avenue, Albany, CA
All results are in **parts per billion (ppb)**

Boring ID	Sample Depth (feet)	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Chloroform	Other VOCs
BH-A	20-24	**1,400**	< 800	< 100	0.62	5.1	36	15	5.3	4.8	< 0.5 - < 20
ESL		500	640	640	46	130	290	100	1,800	330	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.

TABLE SIX

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**
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**

TABLE SIX

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**
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**
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		
	6/20/05	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**

TABLE SIX

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**
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**
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**
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**
MW-10	10/7/05		10.52	
	12/7/05		not sampled	
	3/6/06	**46.90**	**7.46**	**39.44**

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.

APPENDIX A

Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 01/23/2006 By jamesy **Receipt Number: WR2006-0025**
Permits Issued: W2006-0034 **Permits Valid from 01/31/2006 to 03/10/2006**

Application Id: 1137798989385 **City of Project Site:** Albany
Site Location: 800 San Pablo Avenue
Project Start Date: 01/31/2006 **Completion Date:** 03/10/2006

Applicant: Aqua Science Engineers - Robert Kitay **Phone:** 925-820-9391
208 West El Pintado, Suite C, Danville, CA 94526
Property Owner: Joginder Sikand **Phone:** --
1300 Ptarmigan Drive #1, Walnut Creek, CA 94595
Client: ** same as Property Owner **
Contact: Robert Kitay **Phone:** 925-413-8604
Cell: --

Total Due: $200.00
Total Amount Paid: $200.00
Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 8 Boreholes
Driller: Precision Sampling - Lic #: 636387 - Method: other **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0034	01/23/2006	05/01/2006	8	2.00 in.	60.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact George Cashen for an inspection time at 510-760-6610 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

6. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

PROGRAMS AND SERVICES

Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at:
399 Elmhurst Street
Hayward, CA 94544
For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org
For Drilling Permit information and process contact James Yoo at
Phone: 510-670-6633
FAX: 510-782-1939
Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of General Ordinance Code, Chapter 6.88 . The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by California Water Code. The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

Drilling Permit Jurisdictions in Alameda County: There are four jurisdictions in Alameda County.

Location:	Agency with Jurisdiction	Contact Number
Berkeley	City of Berkeley	Ph: 510-981-7460 Fax: 510-540-5672
Fremont, Newark, Union City	Alameda County Water District	Ph: 510-668-4460 Fax: 510-651-1760
Pleasanton, Dublin, Livermore, Sunol	Zone 7 Water Agency	Ph: 925-454-5000 Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland**, **Alameda**, **Piedmont**, **Emeryville**, **Albany**, **San Leandro**, **San Lorenzo**, **Castro Valley**, and **Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

Permits are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application *(30 Kb)** , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Complete Permit Application Check List *(24 Kb)**

Fees
Beginning April 11, 2005 , the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells, shall cost $300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost $200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

Permit Fees are exempt to State & Federal Projects

Applicants shall submit a letter from the agency requesting the fee exemption.

Scheduling Work/Inspections:
Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **George Bolton at 510-670-5594** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

Request for Permit Extension:
Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

Cancel a Drilling Permit:
Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

Refunds/Service Charge:

A service charge of $25.00 dollars for the first check returned and $35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of $50.00 (fifty Dollars). To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed $500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is $1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors.

The forms to request for refunds under $500.00 (Five Hundred Dollars) are available at this office or any County Offices.

If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

Enforcement

Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars ($500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis

Drilling without a permit shall be the cost of the permit(s) and a fine of $500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies. Links to pertinent forms are provided below.

Well Completion Report Form*
Well Owner's Request Form for Previously Filed Forms *(41Kb)**
Government Authorization Form for the Release of Forms *(46 Kb)**
Site Hazard Information Form *(51 Kb)**

* Adobe PDF Reader is Required.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/08/2005 By jamesy
Permits Issued: W2005-1176 to W2005-1177

Receipt Number: WR2005-2236
Permits Valid from 12/21/2005 to 01/30/2006

Application Id: 1134080819231
Site Location: 800 San Pablo Avenue
Project Start Date: 12/21/2005

City of Project Site: Albany
Completion Date: 01/30/2006

Applicant: Aqua Science Engineers - Robert Kitay
208 West El Pintado, Suite C, Danville, CA 94526
Phone: 925-820-9391

Property Owner: Joginder Sikand
1300 Ptarmingan Drive #1, Walnut Creek, CA 94595
Phone: --

Client: ** same as Property Owner **

Total Due: $400.00
Total Amount Paid: $400.00
Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Remedian Well Construction-Injection - 3 Wells
Driller: Precision Sampling - Lic #: 636387 - Method: hstem

Work Total: $200.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2005-1176	12/08/2005	03/21/2006	AS-1	5.00 in.	0.75 in.	20.00 ft	30.00 ft
W2005-1176	12/08/2005	03/21/2006	AS-2	5.00 in.	0.75 in.	20.00 ft	30.00 ft
W2005-1176	12/08/2005	03/21/2006	AS-3	5.00 in.	0.75 in.	20.00 ft	30.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Applicant shall contact George Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

PROGRAMS AND SERVICES

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Hayward, CA 94544
For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org
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Location:	Agency with Jurisdiction	Contact Number
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Fremont, Newark, Union City	Alameda County Water District	Ph: 510-668-4460 Fax: 510-651-1760
Pleasanton, Dublin, Livermore, Sunol	Zone 7 Water Agency	Ph: 925-454-5000 Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland**, **Alameda**, **Piedmont**, **Emeryville**, **Albany**, **San Leandro**, **San Lorenzo**, **Castro Valley**, and **Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

Permits are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application *(30 Kb)** , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Complete Permit Application Check List *(24 Kb)**

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A permit to bore exploratory holes, including temporary test wells, shall cost $200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

Permit Fees are exempt to State & Federal Projects

Applicants shall submit a letter from the agency requesting the fee exemption.

Scheduling Work/Inspections:
Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **George Bolton at 510-670-5594** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

Request for Permit Extension:
Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

Cancel a Drilling Permit:
Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

Refunds/Service Charge:

A service charge of $25.00 dollars for the first check returned and $35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of $50.00 (fifty Dollars). To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed $500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is $1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors.

The forms to request for refunds under $500.00 (Five Hundred Dollars) are available at this office or any County Offices.

If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

Enforcement

Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars ($500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis

Drilling without a permit shall be the cost of the permit(s) and a fine of $500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies. Links to pertinent forms are provided below.

Well Completion Report Form*
Well Owner's Request Form for Previously Filed Forms *(41Kb)**
Government Authorization Form for the Release of Forms *(46 Kb)**
Site Hazard Information Form *(51 Kb)**

* Adobe PDF Reader is Required.

City of Albany

ENCROACHMENT PERMIT
PERMANENT OR TEMPORARY CONSTRUCTION WITHIN CITY RIGHT OF WAY

PERMIT NO. 06-015

LOCATION: Washington Avenue in front of 800 San Pablo Avenue

NAME	ADDRESS	Phone No. Normal/Emergency	Business Lic. No. Workers Comp. No.
Applicant Agua Science Engineers	208 W. El Pintado, Ste C, Danville, CA 94526	925-820-9391	6550 ~~4870000~~ 01KR0031296
Owner: Joginder Sikand	1300 Ptarmigan Dr, #1, Walnut Creek, CA 94595	925-256-1385	
Engineer / Architect Agua Science Engineers	208 W. El Pintado, Ste C, Danville, CA 94526	925-820-9391	~~4870000~~ 6550 / 01KR0031296
Contractor Precision Sampling	1081 Essex Ave, Richmond, CA 94801	510-237-4575	4241/ WC2B7107233902S

BL # 6991

BL # 6993

TYPE OF WORK

☐ Sidewalk ☐ Curb & Gutter ☐ Sewer ☐ Street Tree
☐ Utility Co. ☐ Permanent Structure ☒ Other: Soil borings

DESCRIPTION OF WORK

Drill 2 soil borings in Washington Ave, Backfill with cement

CITY OF ALBANY
JAN 18 2006
COMMUNITY DEVELOPMENT

REQUIRED CONDITIONS

1. All work shall be in accordance with the attached standard conditions.
2. No refund after 120 days or work begins, 70% of fee refundable within 120 days provided no work has begun.
3. Permanent structures require City Council approval (City Code 14-2).
4. CALL USA 1-800-227-2600 before excavating.
5. Call for Final Inspection and Sign-Off 48 hr. in advance at ☐ (510) 528-5760 ☒ (510) 524-9543.
6. Special Conditions may be imposed following City review and prior to issuance of this permit.

Applicant's Signature: Rafael C. Kitay Date: 1-17-06

STAFF USE ONLY

Permit Fee Computation

Total construction cost subject to fee:	
New construction at 8% of construction cost	
In-Lieu slurry seal fee (when street is out)	
Minimum fee per schedule (if greater than % fee)	
Total Fee due (transfer to fee schedule from) (Utilities to be billed, copy of permit to Finance)	$129.00

Special Conditions: All work per Approved Plans and all relevant City Specifications and per Engineer's Special Conditions

Issued by: [signature] Date: 1/30/06

Permit Expiration Date: 7/30/06 (not to exceed 180 days for date issued)

Final Sign Off by: _____ Date: _____

City of Albany

SPECIAL PROVISIONS FOR ENCROACHMENT PERMIT FOR PERMANENT IMPROVEMENT IN CITY RIGHT-OF-WAY

Permit # 06-015

Location: Washington Ave at 800 San Pablo Ave

This APPLICATION MUST BE ACCOMPANIED by the DATA and PLANS indicated below:

- ☐ Description of Job
- ☐ APPROVED Construction Plans and/or Documents
- ☐ An Engineer's Estimate of the value of all public improvements and utility services within the public right-of-way
- ☐ A Soils Report prepared by a Registered Civil Engineer.
- ☐ Others: Specify _____

ALL FEES SHALL BE PAID AND DEPOSITS MADE PRIOR TO THE ISSUANCE OF THIS PERMIT: except Utility Companies. Utility Companies will be invoiced.

STANDARDS/SPECIFICATION:
The following conditions and provisions of the Albany Municipal Code apply to this permit. All work shall be in accordance with City Standard Specifications and Drawings.

COMMENCEMENT OF WORK
The permittee shall begin the work or use authorized by a permit issued pursuant to this chapter within ninety (90) days from the date of issuance unless a different period is stated in the permit, or an extension of time is granted by the Director of Community Development & Environmental Resources. If the work or use is not begun accordingly the permit shall become void.

INSPECTION
In general, inspection producers and requirements shall be as established by the Director of Community Development & Environmental Resources. Unless specifically exempted by the City Code, no encroachment work shall take place without inspection by the Director of Community Development & Environmental Resources or his/her authorized agent. Inspections by the City must be requested at least TWENTY-FOUR (24) HOURS (excluding weekends) IN ADVANCE of the work to be performed. No work shall be performed on weekends without PRIOR AUTHORIZATION of the Director of Community Development & Environmental Resources.

DISPLAY OF PERMIT
The permittee shall keep a copy of this permit at the site of the work, or in the cab of a vehicle when movement on a public street is involved. The permit shall be shown to any authorized representative of the Director of Community Development & Environmental Resources or Law Enforcement Officer on demand.

ACCEPTANCE OF PERMIT BY APPLICANT
Acceptance by the applicant of the permit shall be conclusive evidence of the resonableness of the terms imposed and shall constitute a waiver of any right to legislative determination thereof.

NON-ASSIGNMENT OF PERMIT
Permits shall be issued only to the person making application and may not be assigned to another person by the permittee. If any permittee assigns his permit to another, the permit will be revoked.

CHANGES IN PERMIT AND WORK
No changes may be made in the location, dimensions, character, or duration of the encroachment or use as granted by the permit except upon written authorization of the Director of Community Development & Environmental Resources.

City of Albany

Date: 1/26/06

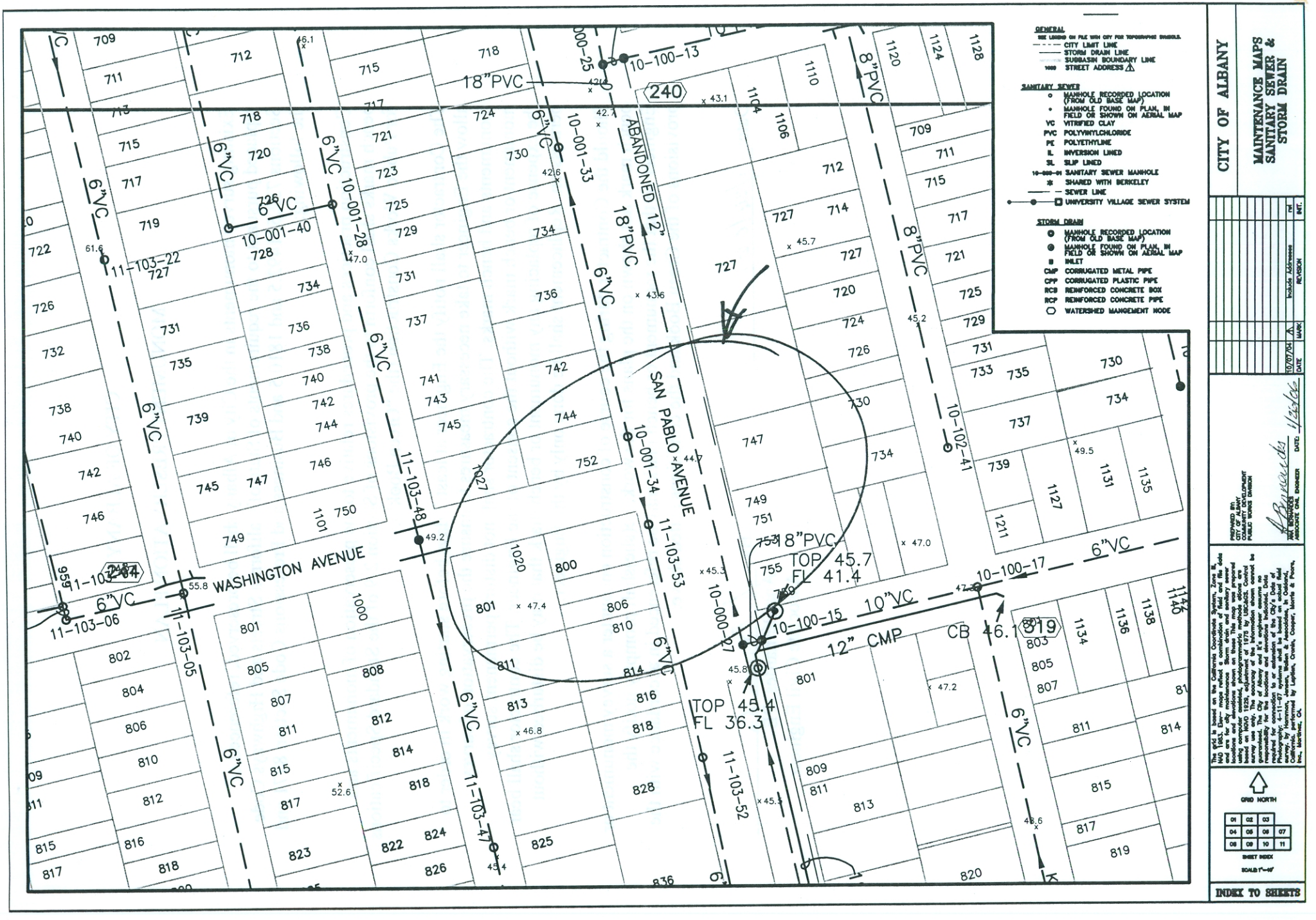
Special Conditions

Encroachment Permit for

Drilling 2 soil borings in Washington Ave. in front of 800 San Pablo Ave.

1. All exploratory holes (wells and borings) construction and destruction under this permit are subject to the standards for the construction of Wells in the Alameda County Public Works Agency Guidelines, Policies & Procedures, the State Water Well Standards, and any instruction by the Health Department.
2. All drill cuttings and boring development water and soil shall be properly and legally handled and disposed of.
3. All soil boring must be completely filled with cement grout or cement grout/sand mixture. The top 6"of the borings shall be backfilled to match original surface material.
4. Provide for traffic control and pedestrian safety and lane closures per the General Provisions of the City and Caltrans Standard Specifications and the WATCH Manual. No open excavations shall be left unsupervised. All excavations shall be back filled or covered at the end the working day.
5. Post for no parking in advance per City requirements.
6. Prior to drilling, notify USA to identify any potential drilling obstructions.
7. Conform to the requirements of the City's monument preservation plan. Any survey monument encountered shall be referenced and preserved or restored per State law.
8. Conform to City Standard Details for Sidewalk and Gutter Repairs. Sidewalk and gutter shall be removed to the nearest joint.
9. Do not drill within 5 feet of existing sanitary sewers main or laterals.
10. Attention is directed to City Sanitary Sewer and Storm Drain Maintenance Maps at this location. *(Attached)*
11. Contact the City's Public Work Inspector, A.J. Silva at 510-559-4271 to schedule inspection a minimum of 48 hours in advance of excavating.
12. Any damage to the existing pavement or sidewalk shall be repaired to the satisfaction of the City Engineer.

Office: 548 Cleveland Avenue, Albany, CA 94710 phone 510-524-3751
Mail: 1000 San Pablo Avenue, Albany, CA 94706 fax 510-558-3201


GENERAL
SEE LEGEND ON FILE WITH CITY FOR TOPOGRAPHIC SYMBOLS.
CITY LIMIT LINE
STORM DRAIN LINE
SUBBASIN BOUNDARY LINE
1000 STREET ADDRESS
SANITARY SEWER
MANHOLE RECORDED LOCATION (FROM OLD BASE MAP)
MANHOLE FOUND ON PLAN, IN FIELD OR SHOWN ON AERIAL MAP
VC VITRIFIED CLAY
PVC POLYVINYLCHLORIDE
PE POLYETHYLINE
IL INVERSION LINED
SL SLIP LINED
10-000-01 SANITARY SEWER MANHOLE
SHARED WITH BERKELEY
SEWER LINE
UNIVERSITY VILLAGE SEWER SYSTEM
STORM DRAIN
MANHOLE RECORDED LOCATION (FROM OLD BASE MAP)
MANHOLE FOUND ON PLAN, IN FIELD OR SHOWN ON AERIAL MAP
INLET
CMP CORRUGATED METAL PIPE
CPP CORRUGATED PLASTIC PIPE
RCB REINFORCED CONCRETE BOX
RCP REINFORCED CONCRETE PIPE
WATERSHED MANGEMENT NODE
CITY OF ALBANY
MAINTENANCE MAPS SANITARY SEWER & STORM DRAIN
DATE
MARK
REVISION
INIT.
10/07/04
Include Addresses
PREPARED BY:
CITY OF ALBANY
COMMUNITY DEVELOPMENT
PUBLIC WORKS DIVISION
JOE BERNARDES
ASSOCIATE CIVIL ENGINEER
DATE: 11/23/04
GRID NORTH
SHEET INDEX
SCALE 1"=40'
INDEX TO SHEETS
ABANDONED 12" 18"PVC
SAN PABLO AVENUE
WASHINGTON AVENUE
18"PVC
8"PVC
6"VC
10"VC
12" CMP
TOP 45.7
FL 41.4
TOP 45.4
FL 36.3
10-100-13
10-100-15
10-100-17
10-001-33
10-001-34
10-001-40
10-102-41
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11-103-48
11-103-53
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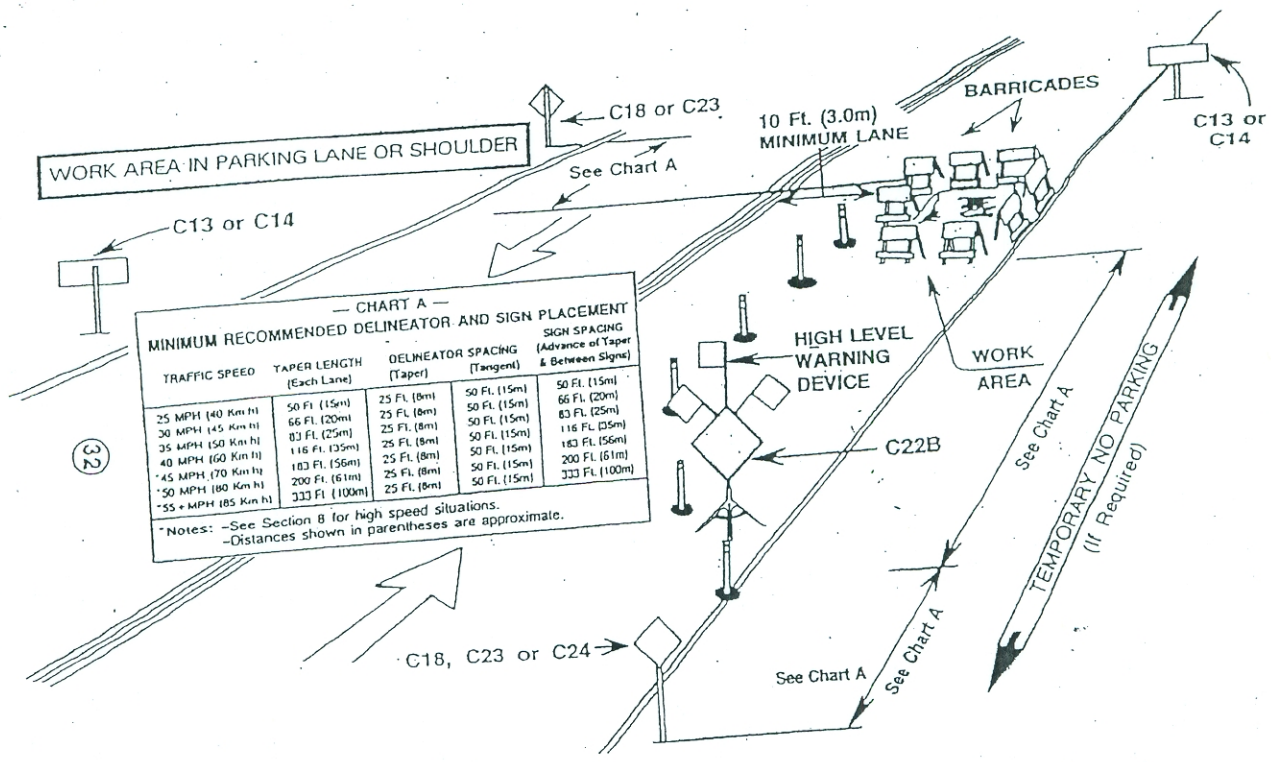
11-103-47
11-103-05
11-103-06
240
CB 46.1

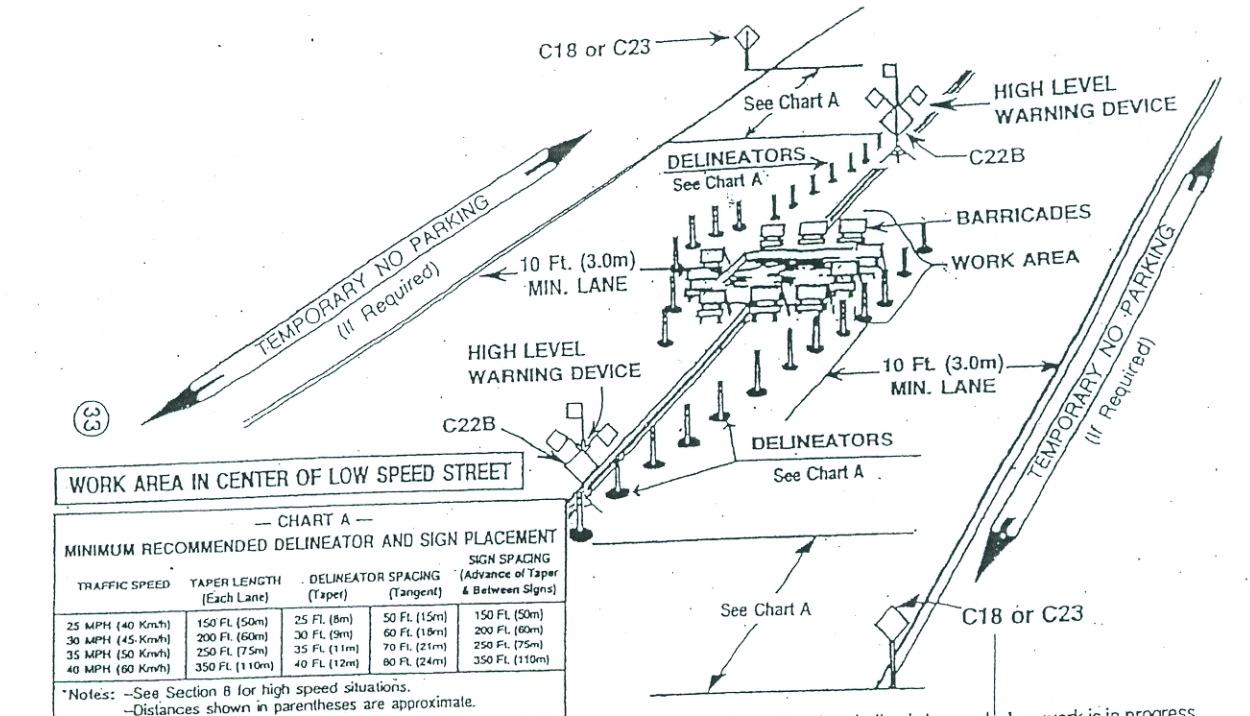


— CHART A —
MINIMUM RECOMMENDED DELINEATOR AND SIGN PLACEMENT

TRAFFIC SPEED	TAPER LENGTH (Each Lane)	DELINEATOR SPACING (Taper)	DELINEATOR SPACING (Tangent)	SIGN SPACING (Advance of Taper & Between Signs)
25 MPH (40 Km/h)	50 Ft. (15m)	25 Ft. (8m)	50 Ft. (15m)	50 Ft. (15m)
30 MPH (45 Km/h)	66 Ft. (20m)	25 Ft. (8m)	50 Ft. (15m)	66 Ft. (20m)
35 MPH (50 Km/h)	83 Ft. (25m)	25 Ft. (8m)	50 Ft. (15m)	83 Ft. (25m)
40 MPH (60 Km/h)	116 Ft. (35m)	25 Ft. (8m)	50 Ft. (15m)	116 Ft. (35m)
*45 MPH (70 Km/h)	183 Ft. (56m)	25 Ft. (8m)	50 Ft. (15m)	183 Ft. (56m)
*50 MPH (80 Km/h)	200 Ft. (61m)	25 Ft. (8m)	50 Ft. (15m)	200 Ft. (61m)
*55 + MPH (85 Km/h)	333 Ft. (100m)	25 Ft. (8m)	50 Ft. (15m)	333 Ft. (100m)

*Notes: –See Section 8 for high speed situations.
–Distances shown in parentheses are approximate.

(32)



(33)

WORK AREA IN CENTER OF LOW SPEED STREET

— CHART A —
MINIMUM RECOMMENDED DELINEATOR AND SIGN PLACEMENT

TRAFFIC SPEED	TAPER LENGTH (Each Lane)	DELINEATOR SPACING (Taper)	DELINEATOR SPACING (Tangent)	SIGN SPACING (Advance of Taper & Between Signs)
25 MPH (40 Km/h)	150 Ft. (50m)	25 Ft. (8m)	50 Ft. (15m)	150 Ft. (50m)
30 MPH (45 Km/h)	200 Ft. (60m)	30 Ft. (9m)	60 Ft. (18m)	200 Ft. (60m)
35 MPH (50 Km/h)	250 Ft. (75m)	35 Ft. (11m)	70 Ft. (21m)	250 Ft. (75m)
40 MPH (60 Km/h)	350 Ft. (110m)	40 Ft. (12m)	80 Ft. (24m)	350 Ft. (110m)

*Notes: –See Section 8 for high speed situations.
–Distances shown in parentheses are approximate.

Note: This traffic diversion plan shall only be used when work is in progress.

APPENDIX B

Access Agreements

ACCESS AGREEMENT

Dr. Joginder Sikand, owner of the property located at 800 San Pablo Avenue, is being required by the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) to conduct a soil and groundwater assessment related to the underground storage tanks at the Albany Hill Mini Mart near your property. Aqua Science Engineers (ASE), an environmental consulting firm, is conducting this assessment for Dr. Joginder Sikand. To complete this assessment, ASE would like to place a two temporary soil borings on your property located at 810 San Pablo Avenue in Albany, California (your property). This document grants ASE access to your property for the purpose of conducting these activities.

As a condition for receiving access to your property, ASE agrees to at all times while conducting work on the property maintain liability, automotive and workers compensation insurance. ASE will also require any subcontractors to also maintain such insurance. ASE agrees to hold the property owner harmless for any liability that may arise related to ASE's activities at the site. All environmental activities will be at no cost to the property owner.

ASE also agrees to contact Underground Service Alert (USA) to mark underground utility lines in the site vicinity at least 48 hours prior to drilling. ASE will also obtain a drilling permit from the Alameda County Public Health Agency (ACPWA) prior to drilling. ASE will file all required paperwork with the ACPWA following the completion of the drilling.

ASE also agrees to provide a copy of the analytical results to the property owner at the completion of the assessment.

ASE also agrees to match the existing surface conditions (concrete or asphalt patch) upon completion of the drilling.

The property owner agrees to have the drilling location accessible to us at a mutually agreeable time. Unless difficult or unexpected drilling conditions occur, the drilling should be complete in less than a day.

AGREEMENT

I agree to be bound by the terms and conditions stated above.

Robert Kitay
Aqua Science Engineers

I have read the access agreement and will grant access to my property to conduct the work stated above.

UTS, Inc
Property Owner

925- 837-4853

APPENDIX C

Boring Logs

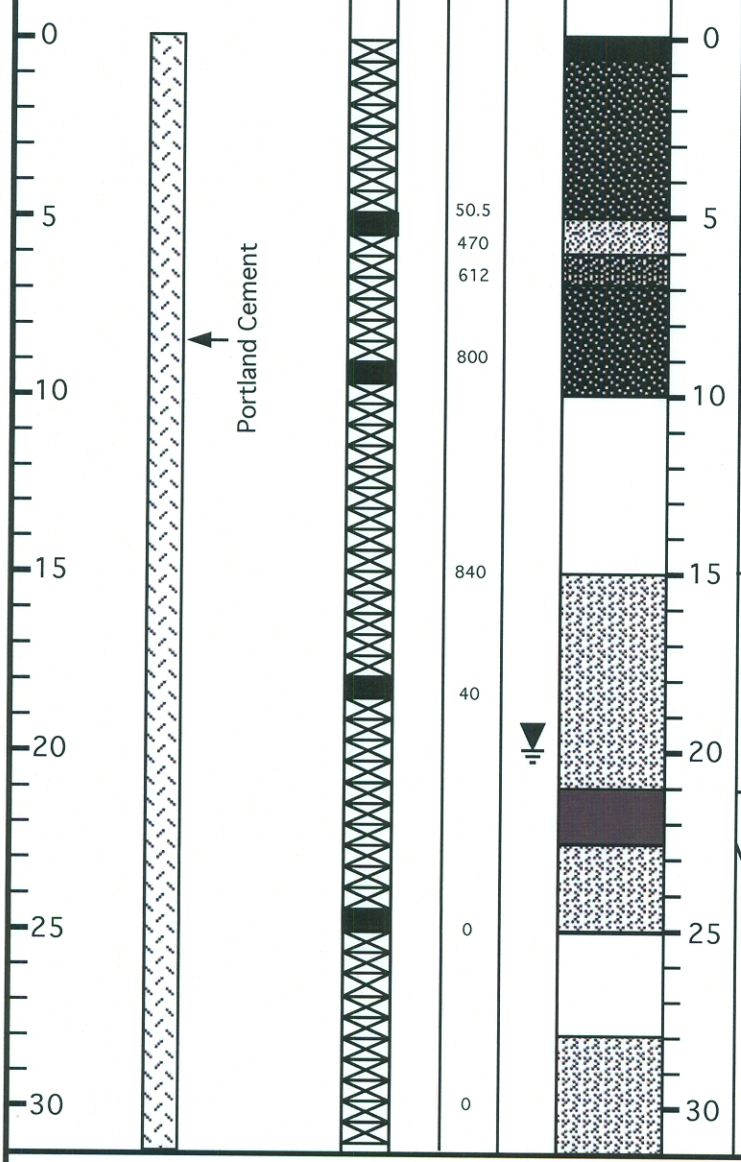
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-R

Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: January 30, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 40'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

0 – Concrete

Silty CLAY (CH); dark yellow brown; damp; medium stiff; 70% clay; 30% silt; high plasticity; very low estimated K; no odor

5 – Sandy SILT (ML); yellow brown; damp; medium stiff; 70% silt; 25% fine sand; 5% clay; non-plastic; low estimated K; no odor

Clayey SAND (SC); light brown; damp; loose; 70% fine sand; 25% clay; 5% silt; low plasticity; low estimated K; moderate hydrocarbon odor

10 – Silty CLAY (CH); brown; damp; stiff; 70% clay; 25% silt; 5% medium sand; high plasticity; very low estimated K; moderate hydrocarbon odor

(No recovery between 10 and 15-feet due to jammed sleeve)

15 – Silty SAND (SM); yellow brown; damp; dense; 80% fine to medium sand; 20% silt; non-plastic; low estimated K; moderate hydrocarbon odor

5% gravel at 16'

moist at 18'; decreased hydrocarbon odor

loose; wet; 5% clay; 5% gravel to 1.5"; no odor at 20'

20 – Clayey SILT (MH); yellow brown; moist; stiff; 80% silt; 15% clay; 5% fine sand; moderate plasticity; low estimated K; no odor

@ 22'; 70% silt; 25% clay; 5% fine sand; high plasticity

25 – Silty SAND (SM); light brown; moist; loose; 50% fine sand; 40% fine sand; 10% clay; non-plastic; low estimated K; no odor

@ 24'; dense; wet

(No recovery between 25 and 28'; wet; possible sand?)

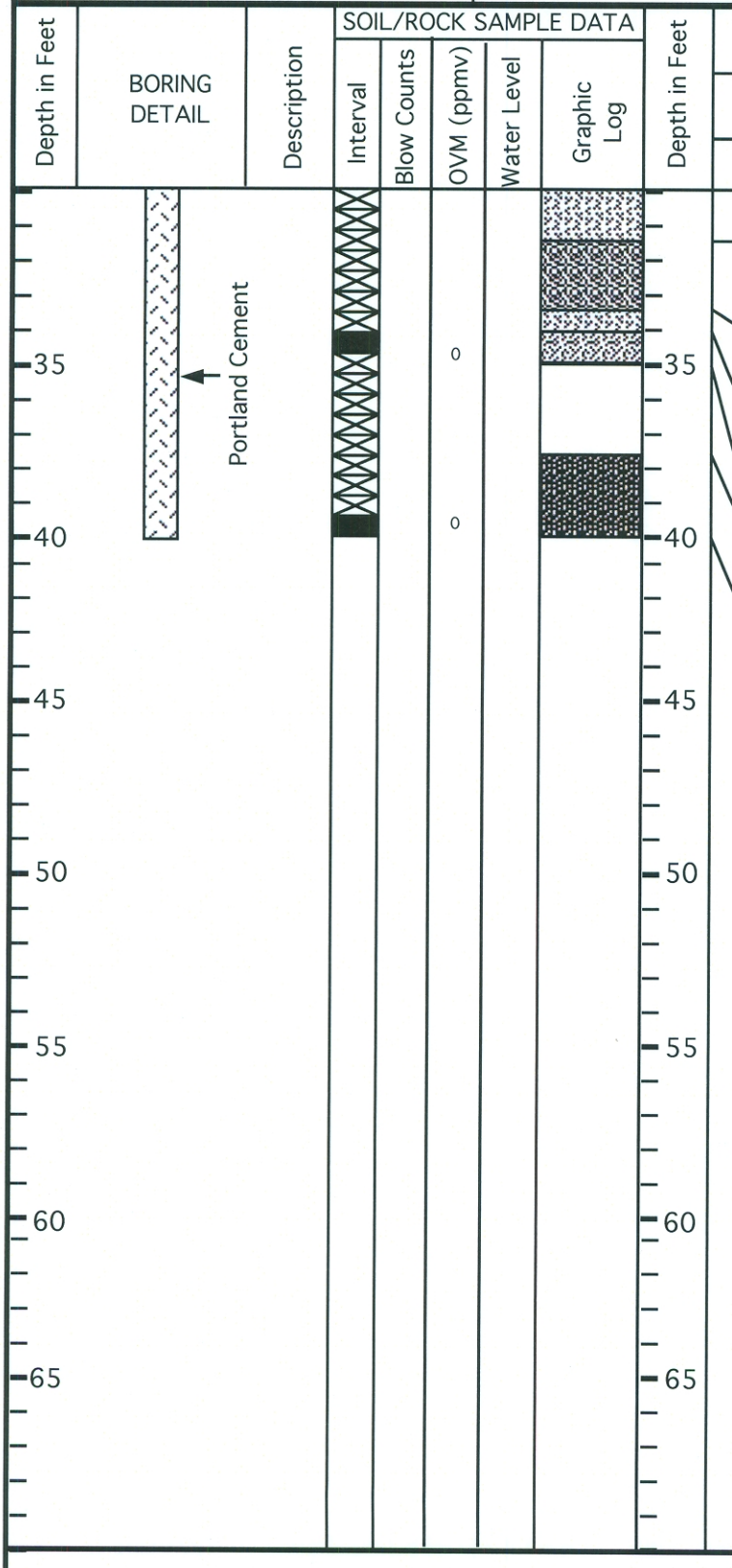
@ 28'; yellow brown mottled orange; 50-70% fine to coarse sand; 20-40% silt; 10% clay

30

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS | BORING: BH-R

Project Name: Albany Hill | Project Location: 800 San Pablo Avenue, Albany, CA | Page 2 of 2



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

80% fine to medium sand; 20% silt; rare gravel

Sandy SILT (MH); pale yellow brown; damp; medium stiff; 50% silt; 45% fine sand; 5% clay; low plasticity; low estimated K; no odor

Silty SAND (SM); brown; moist; medium dense; 80% fine to medium sand; 20% silt; non-plastic; high estimated K; no odor

Sandy SILT (MH); pale yellow brown; moist; soft; 50% silt; 45% fine sand; 5% clay; medium plasticity; low estimated K; no odor

(no recovery 35 to 37.5' - fine sand?)

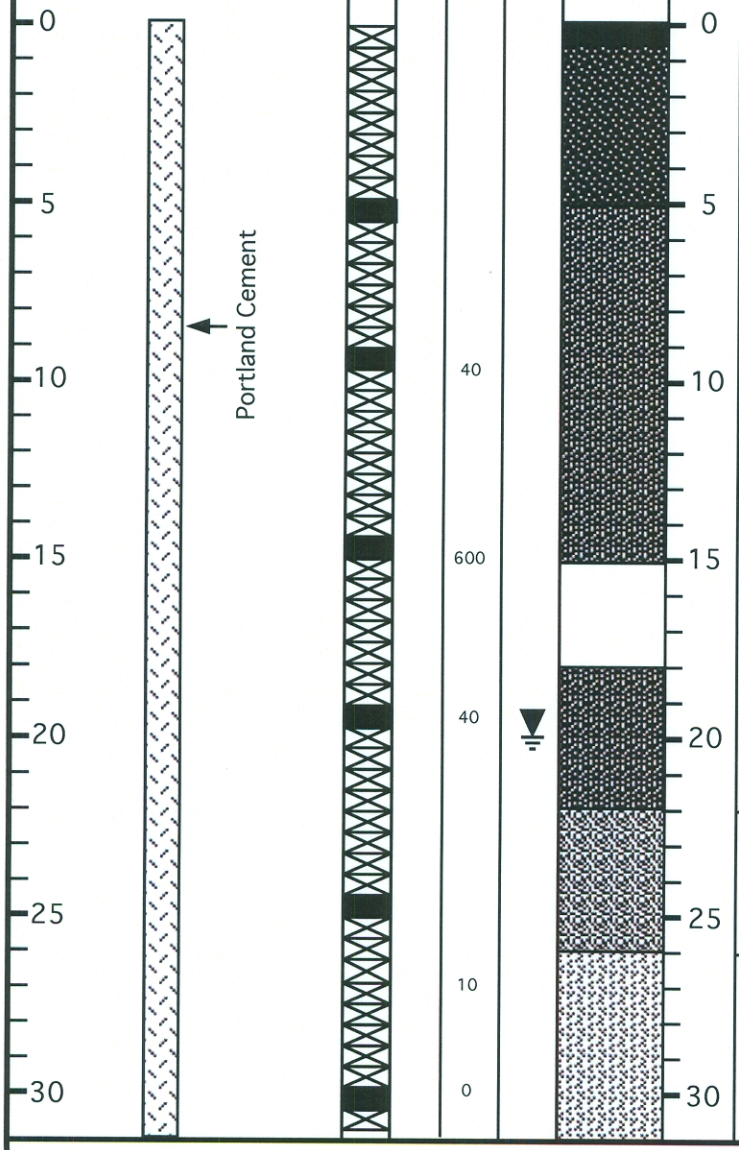
Clayey SILT (ML); pale yellow brown; moist; soft; 85% silt; 15% clay; trace sand; low plasticity; low estimated K; no odor

End of boring
Refusal

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		BORING: BH-S
Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: January 30, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 38'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Concrete

Silty CLAY (CH); dark yellow brown; damp; medium stiff; 70% clay; 30% silt; high plasticity; very low estimated K; no odor

Clayey SILT (ML); dark yellow brown; damp; stiff; 80% silt; 15% clay; 5% medium sand; low plasticity; low estimated K; no odor
@ 8'; dry; 75% silt; 20% clay; 5% sand
@ 10'; green brown; damp; 85% silt; 10% clay; 5% medium sand; gasoline-like odor

@ 12'; 80% silt; 10% clay; 10% sand

@ 14'; brown mottled orange; no longer stained but still odorous
(no recovery 15-18')

Clayey SILT (MH); brown; damp; medium stiff; 85% silt; 10% clay; 5% fine sand; high plasticity; low estimated K; gasoline-like odor

SILT (ML); brown; wet; soft; 100% silt; non-plastic; medium estimated K; no odor

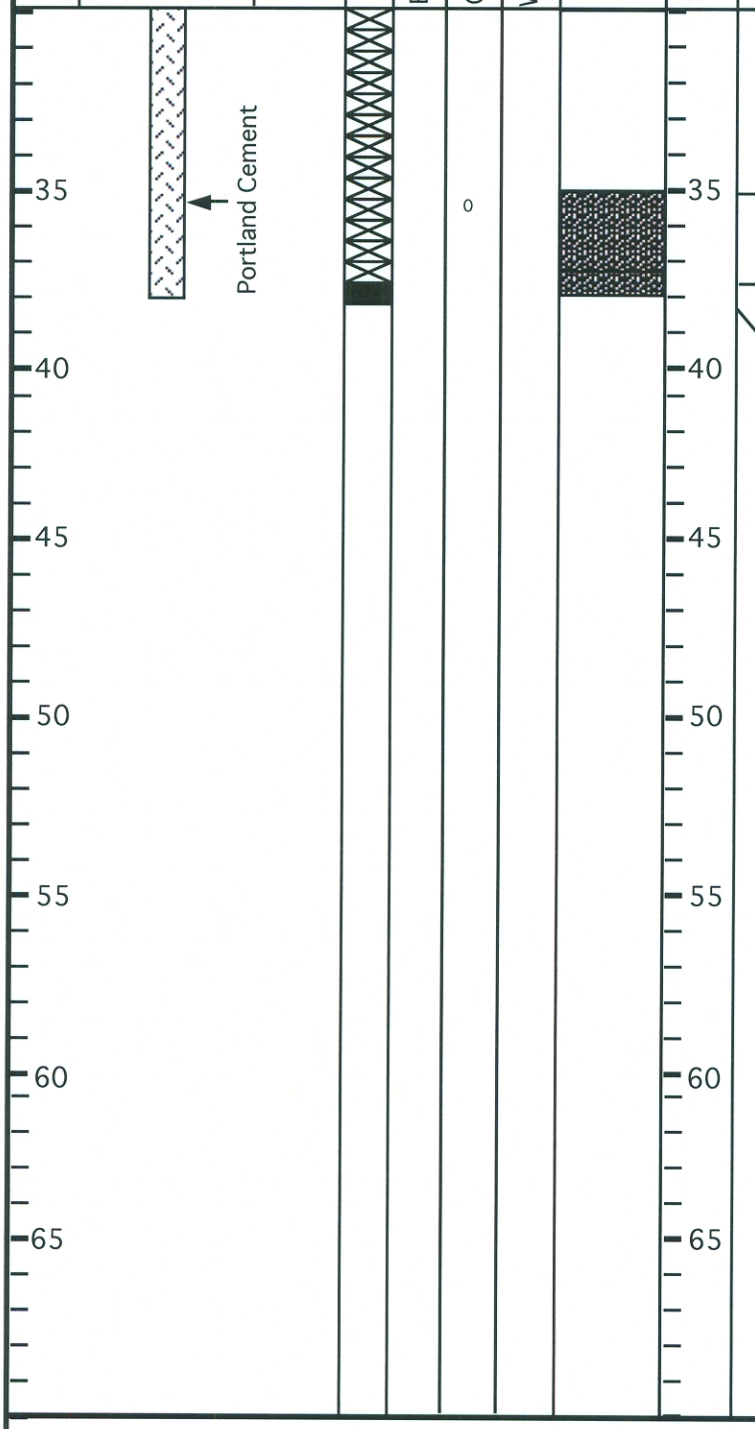
Silty SAND (SM); brown; wet; medium dense; 60% fine sand; 35% silt; 5% clay; low plasticity; medium estimated K; no odor

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-S

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

(no recovery from 30-35' due to jammed sleeve)

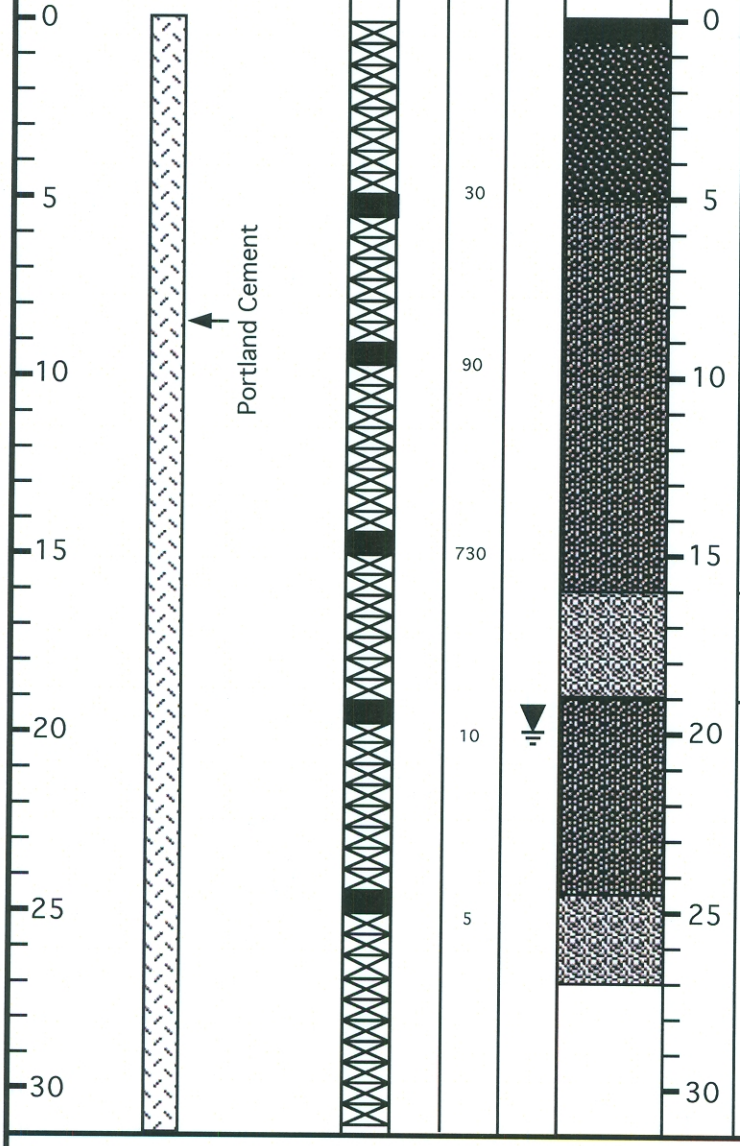
Clayey SILT (MH); yellow brown; moist; soft; 90% silt; 10% clay; high plasticity; low estimated K; no odor

SILT (ML); red brown; dry; soft; 95% silt; 5% sand; non-plastic; low estimated K; no odor

End of boring
Refusal at 38'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		BORING: BH-T
Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: February 1, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 38'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



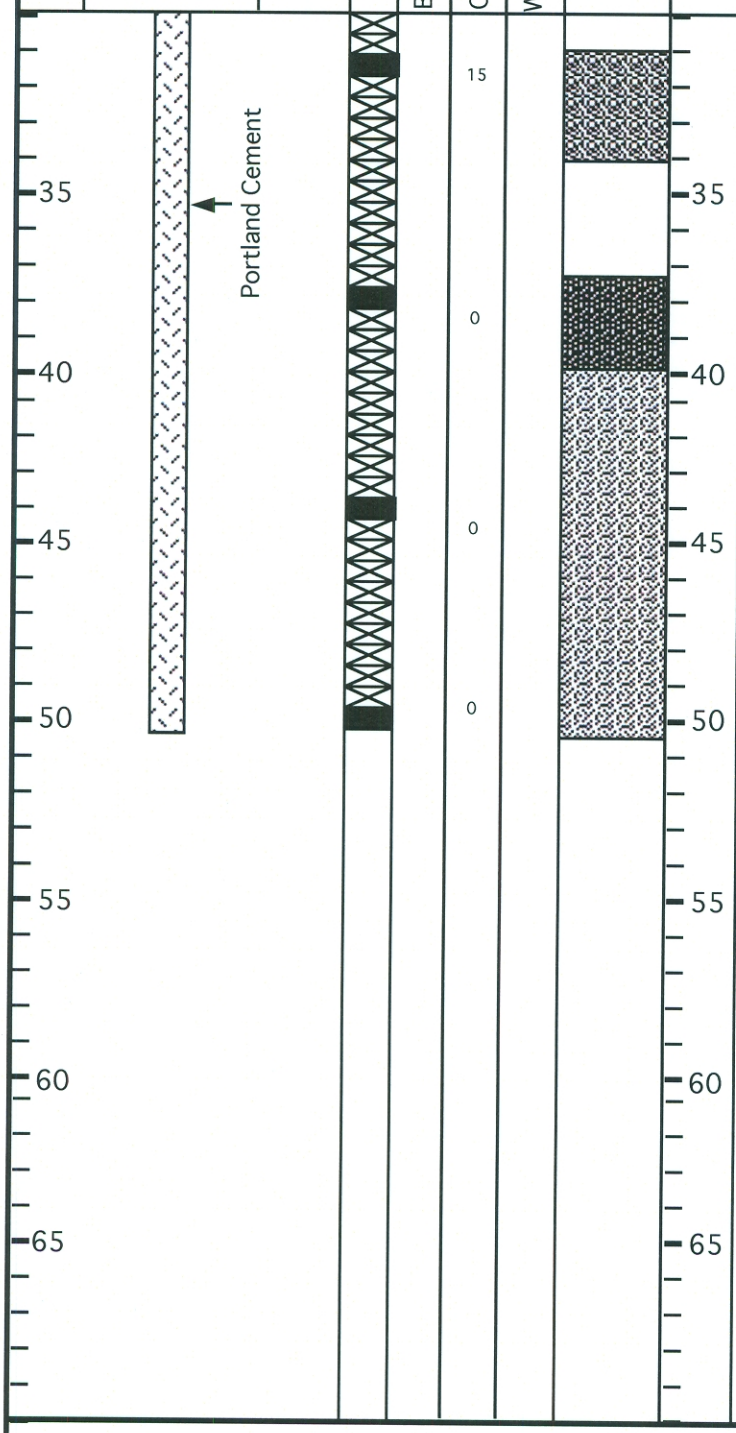
DESCRIPTION OF LITHOLOGY
standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
Concrete
Silty CLAY (CH); dark yellow brown; damp; medium stiff; 70% clay; 30% silt; high plasticity; very low estimated K; no odor
Clayey SILT (ML); grey; damp; very stiff; 75% silt; 20% clay; 5% sand; low plasticity; very low estimated K; no odor @ 10'; 85% silt; 10% clay; 5% sand @ 11.5'; soil mottled green; hydrocarbon odor
Sandy SILT (ML); yellow brown; damp; medium stiff; 85% silt; 5% medium sand; 5% clay; 5% gravel; low plasticity; low estimated K; no odor
Clayey SILT (MH); light brown; moist; medium stiff; 90% silt; 10% clay; moderate plasticity; low estimated K; no odor some course red sand @ 22' 80% silt; 10% fine sand; 10% clay @ 23'
Sandy SILT (ML); red brown; damp; stiff; 80% silt; 15% sand; 5% gravel; low plasticity; low estimated K; no odor (no recovery from 27 to 31')

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-T

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Sandy SILT (ML); red brown; damp; stiff; 90% silt; 10% sand; non-plastic; low estimated K; no odor

(no recovery 34 to 37.5')

Clayey SILT (MH); light brown; moist; medium stiff; 85% silt; 10% clay; 5% sand; moderate plasticity; low estimated K; no odor

SILT (ML); light brown; damp; medium stiff; 90% silt; 5% clay; 5% sand; very low plasticity; low estimated K; no odor

90% silt; 5% fine sand; 5% rounded gravel at 42'

red brown; stiff; dry; 95% silt; 5% sand; non-plastic at 44'

End of boring at 50.5'

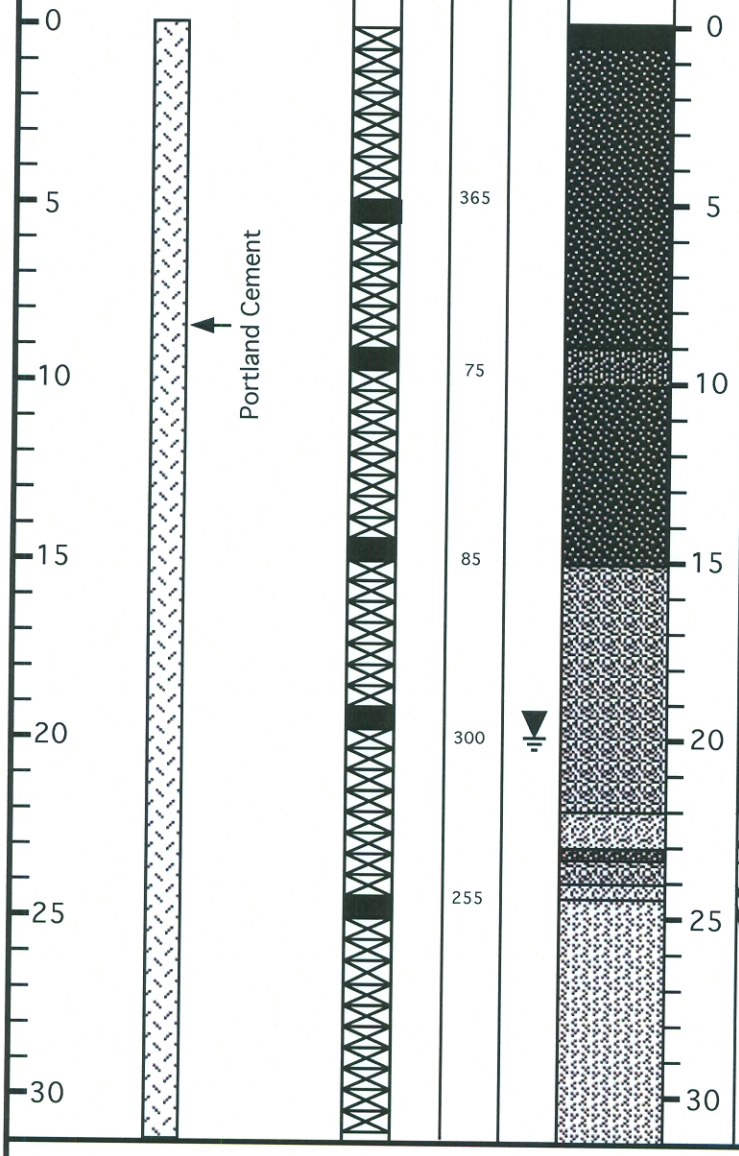
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-U

Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: February 2, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 50'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

- Concrete
- Silty CLAY (CH); dark brown and grey; damp; medium stiff; 70% clay; 30% silt; high plasticity; very low estimated K; no odor
- stiff; moist; 65% clay; 30% silt; 5% medium sand; hydrocarbon odor at 5'
- Clayey SILT (MH); dark brown; damp; stiff; 55% silt; 40% clay; 5% sand; medium plasticity; very low estimated K; hydrocarbon odor
- Silty CLAY (CH); dark brown; damp; stiff; 70% clay; 30% silt; moderate plasticity; very low estimated K; gasoline-like odor
- 5% sand; no odor at 13'
- Sandy SILT (ML); red brown; moist; soft; 80% silt; 15% sand; 5% clay; non-plastic; low estimated K; no odor
- moderate plasticity at 20.5'
- 60% silt; 35% fine sand; 5% clay at 21.5'
- SILT (ML); grey; damp; medium stiff; 100% silt; non-plastic; low estimated K; moderate hydrocarbon odor
- Clayey SILT (MH); grey; damp; stiff; 90% silt; 10% clay; moderate plasticity; low estimated K; no odor
- Sandy SILT (ML); yellow brown; damp; medium stiff; 70% silt; 30% fine sand; non-plastic; medium estimated K; no odor
- SILT (ML); yellow brown and red; dry; hard; 100% silt; non-plastic; very low estimated K; no odor
- Sandy SILT (ML); yellow brown; damp; stiff; 60% silt; 40% fine sand; non-plastic; low estimated K; no odor

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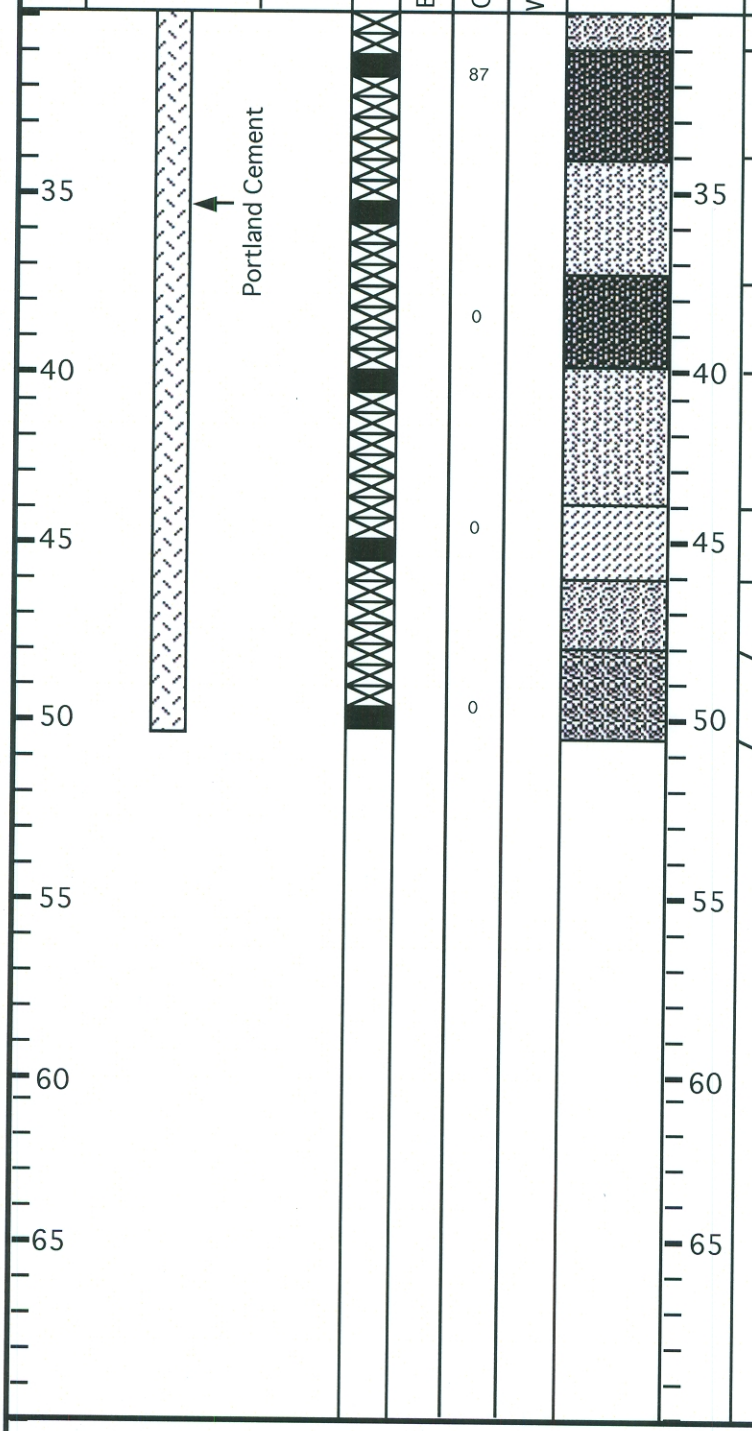
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-U

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Clayey SILT (MH); yellow brown; moist; stiff; 85% silt; 15% clay; high plasticity; low estimated K; slight hydrocarbon odor

Silty SAND (SM); yellow brown; damp; medium dense; 65% fine to coarse sand; 30% silt; 5% gravel; non-plastic; low estimated K; no odor

Clayey SILT (ML); brown; wet; soft; 95% silt; 5% clay; low plasticity; low estimated K; no odor

Silty SAND (SM); yellow brown; damp; medium dense; 60% fine sand; 40% silt; non-plastic; low estimated K; no odor
grey at 42'; yellow brown at 43'

SILT (ML); yellow brown; wet; soft; 100% silt; non-plastic; medium estimated K; no odor

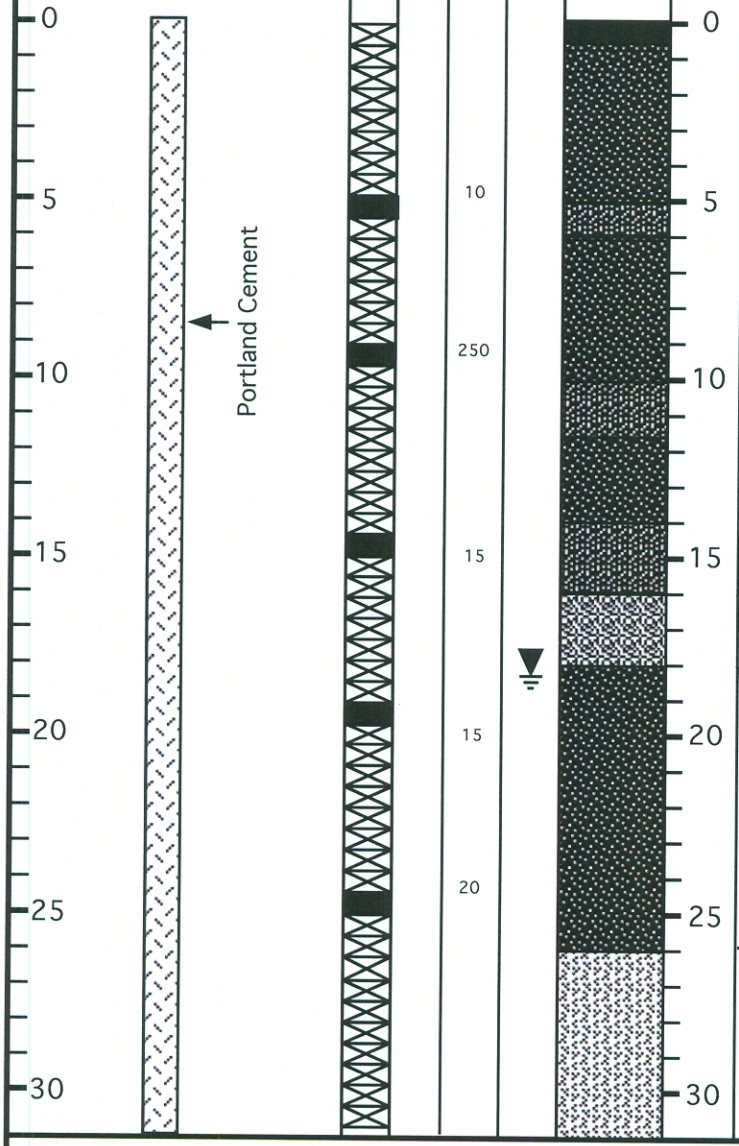
Sandy SILT (ML); yellow brown; damp; stiff; 70-80% silt; 15-25% fine sand; 5% clay; low plasticity; low estimated K; no odor

Sandy CLAY (CH); red brown; damp; hard; 60% clay; 30% fine to coarse sand; 10% gravel; low plasticity; very low estimated K; no odor

End of boring at 50.5'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		BORING: BH-V
Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: February 2, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 18'	Total Depth of Well Completed: NA
Static Depth of Water in Well: NA	Well Screen Type and Diameter: NA
Total Depth of Boring: 50.5'	Well Screen Slot Size: NA
	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



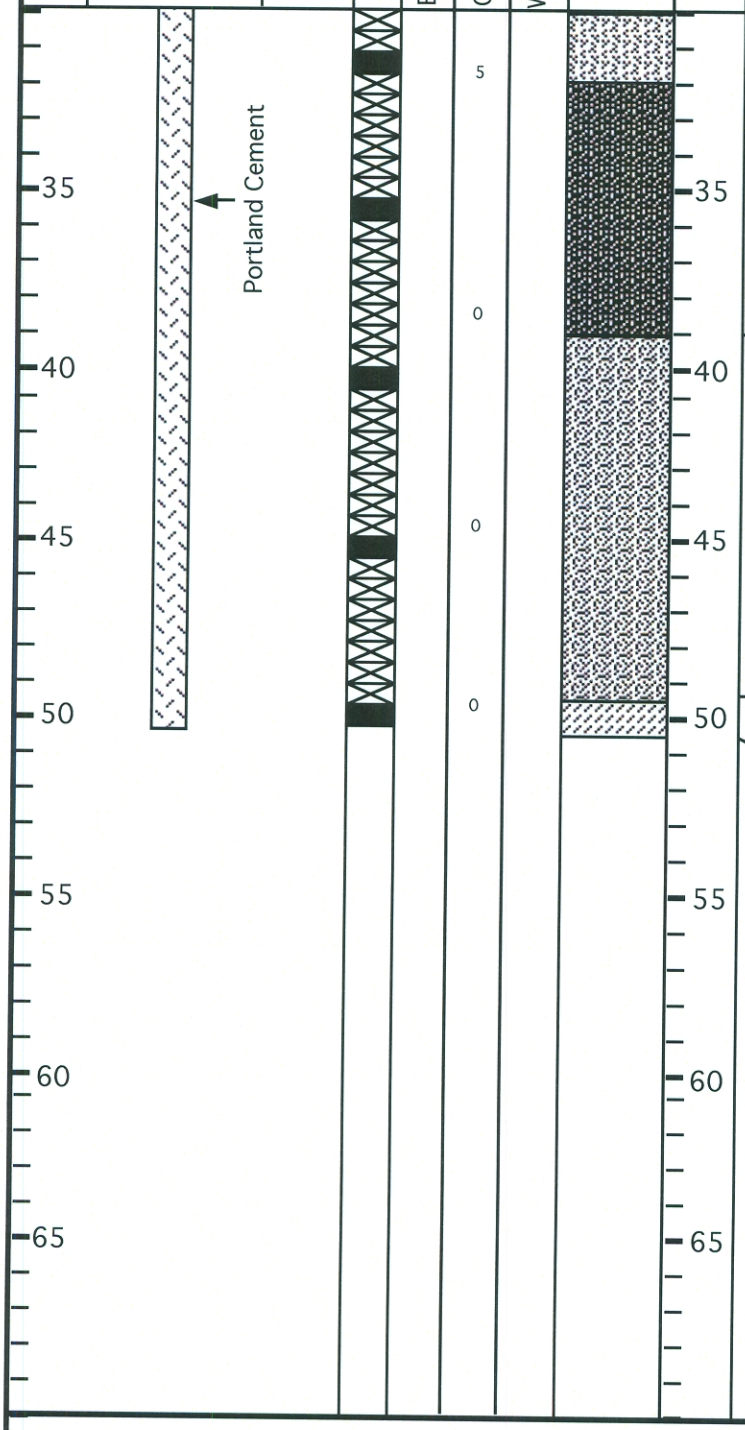
DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
Concrete
Silty CLAY (CH); dark brown; damp; medium stiff; 70% clay; 30% silt; high plasticity; very low estimated K; no odor
Clayey SILT (MH); dark yellow brown; moist; stiff; 60% silt; 35% clay; 5% sand; moderate plasticity; very low estimated K; no odor
Silty CLAY (CH); grey mottled red brown; damp; very stiff; 75% clay; 25% silt; high plasticity; very low estimated K; no odor; gasoline-like odor at 9'
Clayey SILT (ML); red brown; damp; medium stiff; 85% silt; 10% clay; 5% sand; non-plastic; low estimated K; gasoline-like odor
Silty CLAY (CH); light brown; moist; soft; 75% clay; 25% silt; high plasticity; low estimated K; no odor stiff at 13'
Clayey SILT (ML); red brown; damp; medium stiff; 55% silt; 40% clay; 5% sand; low plasticity; low estimated K; no odor
Sandy SILT (ML); red brown; damp; medium stiff; 90% silt; 10% sand; non-plastic; medium estimated K; no odor
Clayey SILT (MH); light brown; moist to wet; soft; 65% silt; 30% clay; 5% fine sand; moderate plasticity; low estimated K; no odor medium stiff; damp at 19' small gravel at 22-23' very stiff; low plasticity at 23' wet; soft at 25'
SILT (ML); light brown; damp; medium stiff; 90% silt; 5% sand; 5% clay; non-plastic; low estimated K; no odor very stiff; 5-15% clay; some gravel at 27' dry at 30'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-V

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Sandy SILT (ML); light brown; wet; soft; 85% silt; 10% sand; 5% clay; low plasticity; medium estimated K; no odor

Clayey SILT (MH); light brown; damp; medium stiff; 55% silt; 40% clay; 5% sand; moderate plasticity; very low estimated K; no odor
some sand between 33 and 35'

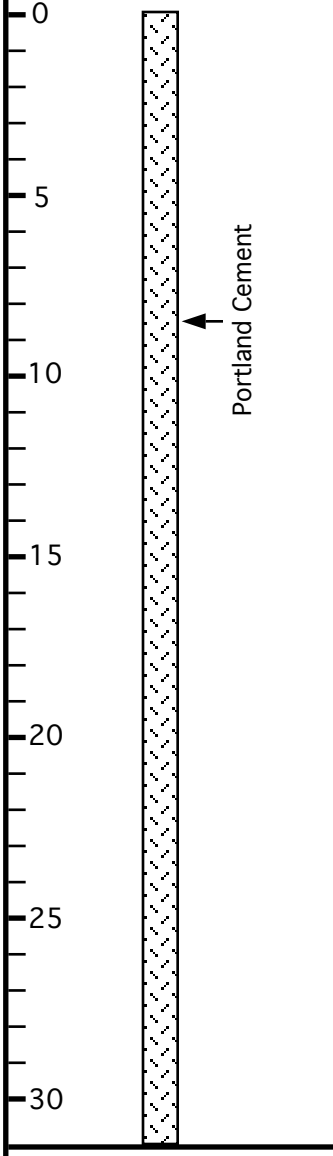
Sandy SILT (ML); light red brown; damp; medium stiff; 80% silt; 10-15% coarse sand; 5-10% clay; non-plastic; low estimated K; no odor

SILT (ML); light brown; dry to damp; medium stiff; 100% silt; non-plastic; low estimated K; no odor

End of boring at 50.5'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		BORING: BH-W
Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: February 6, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 50'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Concrete

Silty CLAY (CH); yellow brown; damp; medium stiff; 80% clay; 15% silt; 5% sand; high plasticity; very low estimated K; no odor

80% clay; 10% silt; 10% sand at 5'
stiff at 6.5'

hydrocarbon odor at 10.5'
moist to wet; 60% clay; 35% silt; 5% sand;
slight hydrocarbon odor at 12'

Sandy SILT (ML); red brown; dry; medium stiff; 85% silt; 10% sand; 5% clay; non-plastic; low estimated K; no odor

Clayey SILT (ML); red brown; damp; medium stiff; 85% silt; 10% clay; 5% sand; moderate plasticity; low estimated K; no odor
brown; soft; wet; 55% silt; 40% clay; 5% gravel at 18'

Sandy SILT (ML); red brown; damp; medium stiff; 85% silt; 10% sand; 5% clay; non-plastic; low estimated K; no odor

SILT (ML); light brown; damp; medium stiff; 90% silt; 5% fine sand; 5% clay; low plasticity; low estimated K; moderate hydrocarbon odor

Sandy SILT (ML); red brown; damp; stiff; 80% silt; 15% fine sand; 5% clay; non-plastic; low estimated K; no odor

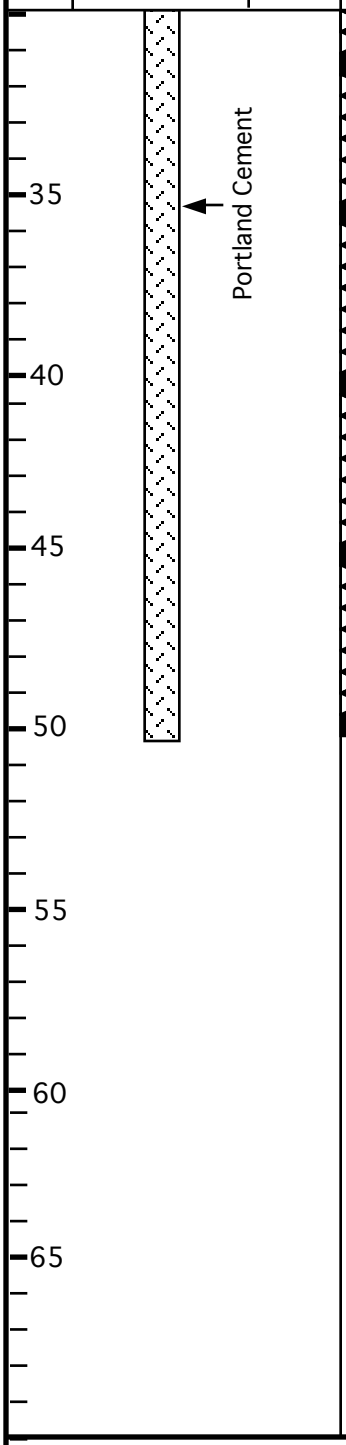
Clayey SILT (MH); light brown; wet; soft; 65% silt; 30% clay; 5% sand; moderate plasticity; low estimated K; no odor
medium stiff; moist; high plasticity at 26'
80% silt; 20% clay at 28'

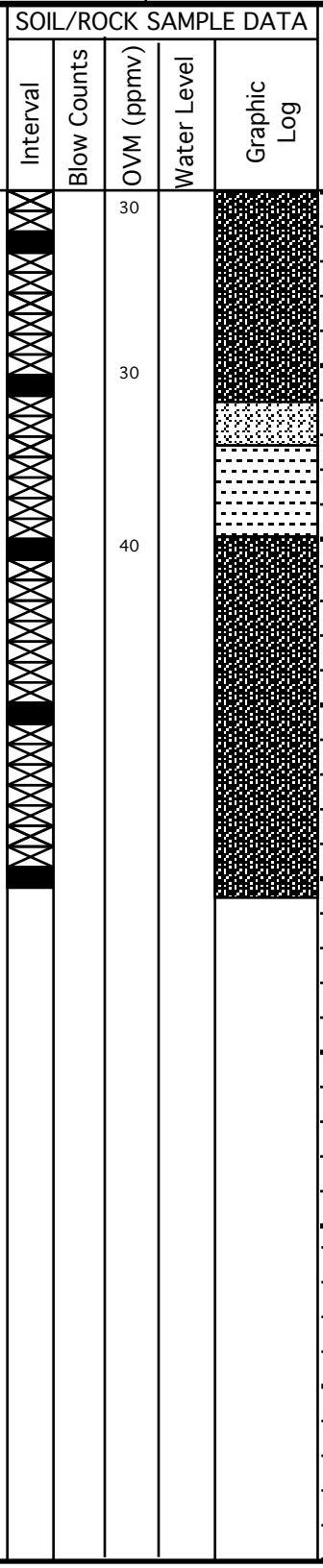
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

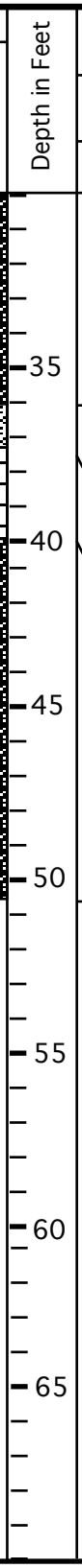
BORING: BH-W

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA







DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

moist to wet; some gravel at 31'
red brown; medium stiff; damp; 75% silt; 15% clay; 5% coarse sand; 5% gravel; low plasticity; low estimated K; no odor at 32'
90% silt; 10% clay; moderate plasticity at 34'

Sandy SILT (ML); red brown; damp; stiff; 85% silt; 10% coarse sand; 5% clay; non-plastic; low estimated K; no odor
light brown; some gravel at 37'

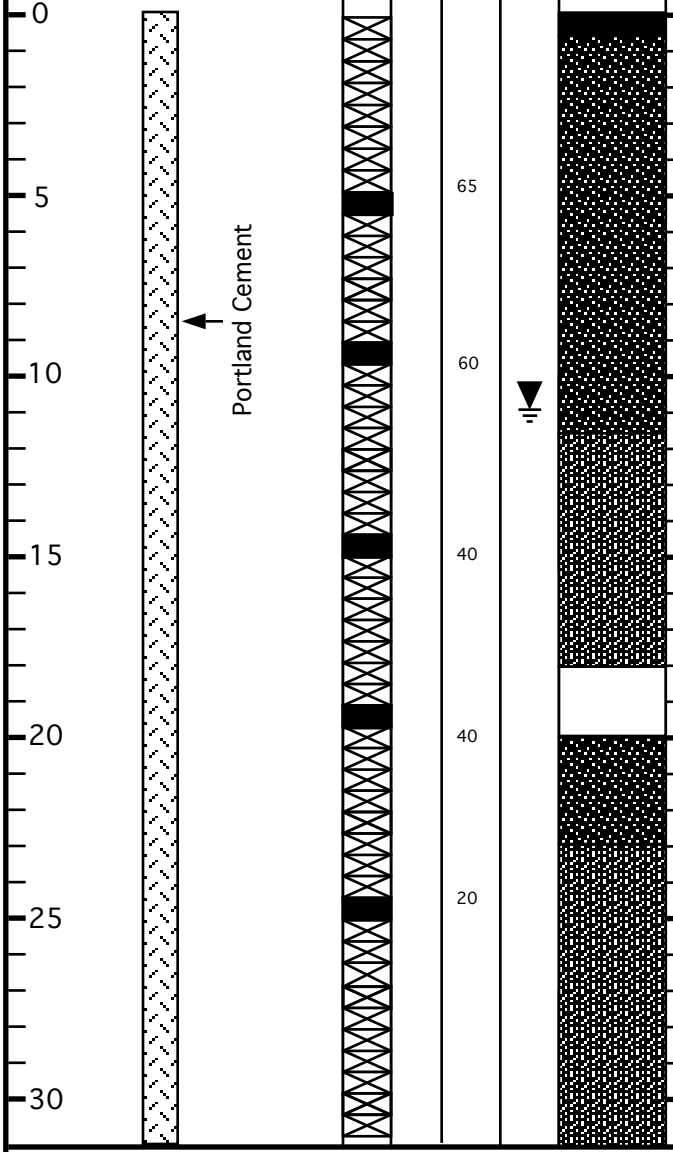
Silty GRAVEL (GM); light brown; wet; loose; 65% gravel; 30% silt; 5% gravel; non-plastic; high estimated K; no odor

Clayey SILT (MH); light red brown; damp; 75% silt; 20% clay; 5% fine sand; medium plasticity; low estimated K; no odor
5% gravel at 44'
90% silt; 10% clay at 45'

End of boring at 50.5'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		BORING: BH-X
Project Name: Albany Hill	Project Location: 800 San Pablo Ave, Albany, CA	Page 1 of 2
Driller: Precision Sampling	Type of Rig: Sonic EP	Size of Drill: 2.0" Diameter
Logged By: David Rains	Date Drilled: February 6, 2006	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 11.5'	Total Depth of Well Completed: NA
	Well Screen Type and Diameter: NA
Static Depth of Water in Well: NA	Well Screen Slot Size: NA
Total Depth of Boring: 50'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Concrete

Silty CLAY (CH); dark yellow brown; moist; medium stiff; 60% clay; 35% silt; 5% sand; medium plasticity; low estimated K; no odor

very stiff; 5% gravel at 5'

80% clay; 20% silt; trace sand at 8'

hydrocarbon odor at 11'

Clayey SILT (ML); dark grey; wet; soft; 50% silt; 40% clay; 10% fine sand; non-plastic; medium estimated K; no odor
@ 13'; moist; medium stiff; 70% silt; 20% clay; 10% fine to medium sand; medium plasticity; low est. K
@ 14'; grey; soft; to medium stiff; 90% silt; 10% clay; high plasticity
(no recovery 18-20')

Silty CLAY (CH); red brown; damp; medium stiff; 60% clay; 40% silt; high plasticity; low estimated K; no odor

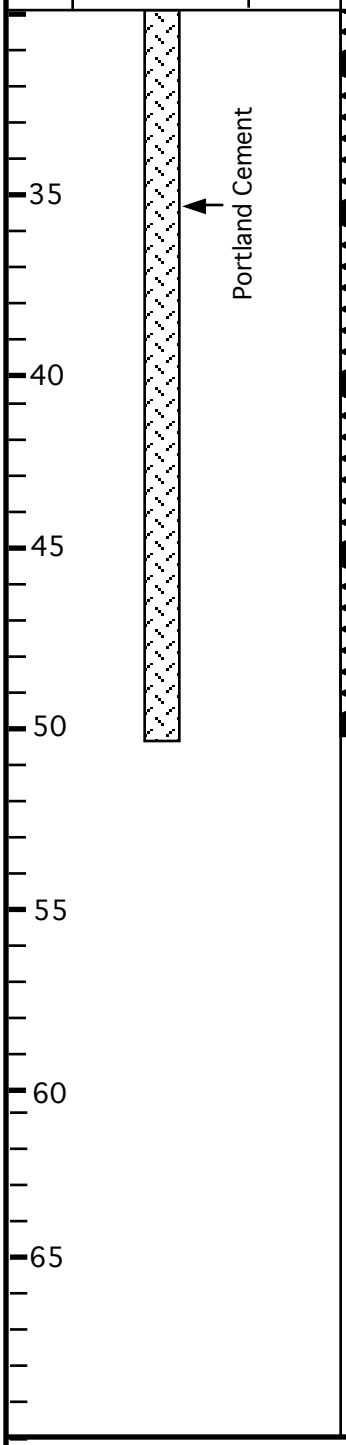
Clayey SILT (ML); red brown; damp; medium stiff; 70% silt; 20% clay; 10% gravel; low plasticity; low estimated K; no odor
soft; wet at 25'
medium stiff; moist at 26'
70% silt; 30% clay at 27'

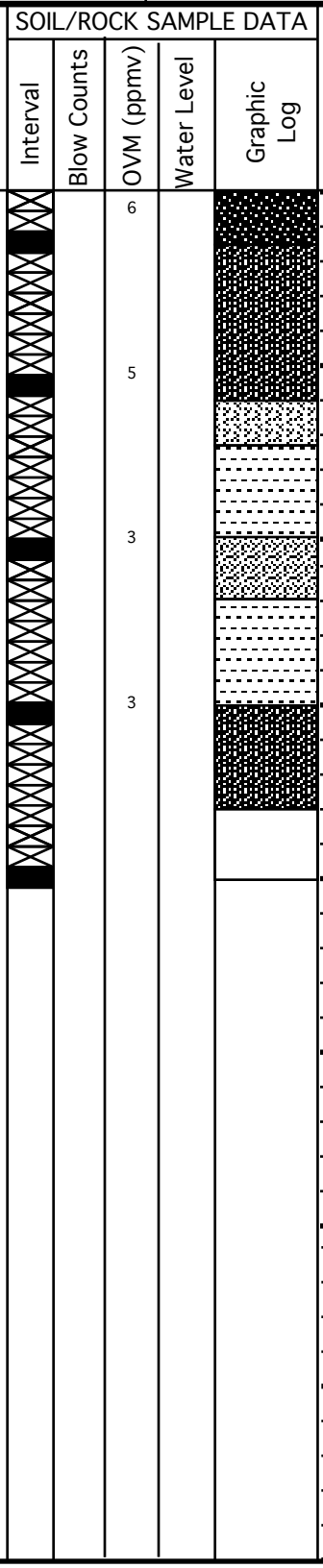
SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

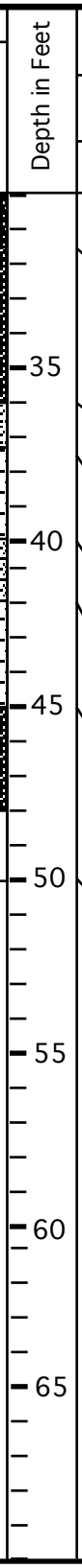
BORING: BH-X

Project Name: Albany Hill

Project Location: 800 San Pablo Avenue, Albany, CA







DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

Silty CLAY (CH); red grey mottled brown; medium stiff; damp; 60% clay; 40% silt; high plasticity; low plasticity; very low estimated K; no odor

Clayey SILT; (ML); light brown; soft; wet; 70-80% silt; 10-20% clay; 10% fine sand; non-plastic; medium estimated K; no odor
@ 34'; 65% silt; 20% clay; 10% fine sand; 5% gravel
@ 36'; medium stiff; damp; low plasticity

Sandy SILT (ML); red brown; dry; stiff; 80% silt; 10-20% sand; up to 10% clay; non-plastic; low estimated K; no odor

SILT (ML); grey brown; dry; stiff; 90-100% silt; up tp 10% clay; non-plastic; low estimated K; no odor
(no recovery 38-40')

Sandy SILT (ML); red brown; damp; medium stiff; 80% silt; 15% coarse sand; 5% gravel; non-plastic; low estimated K; no odor

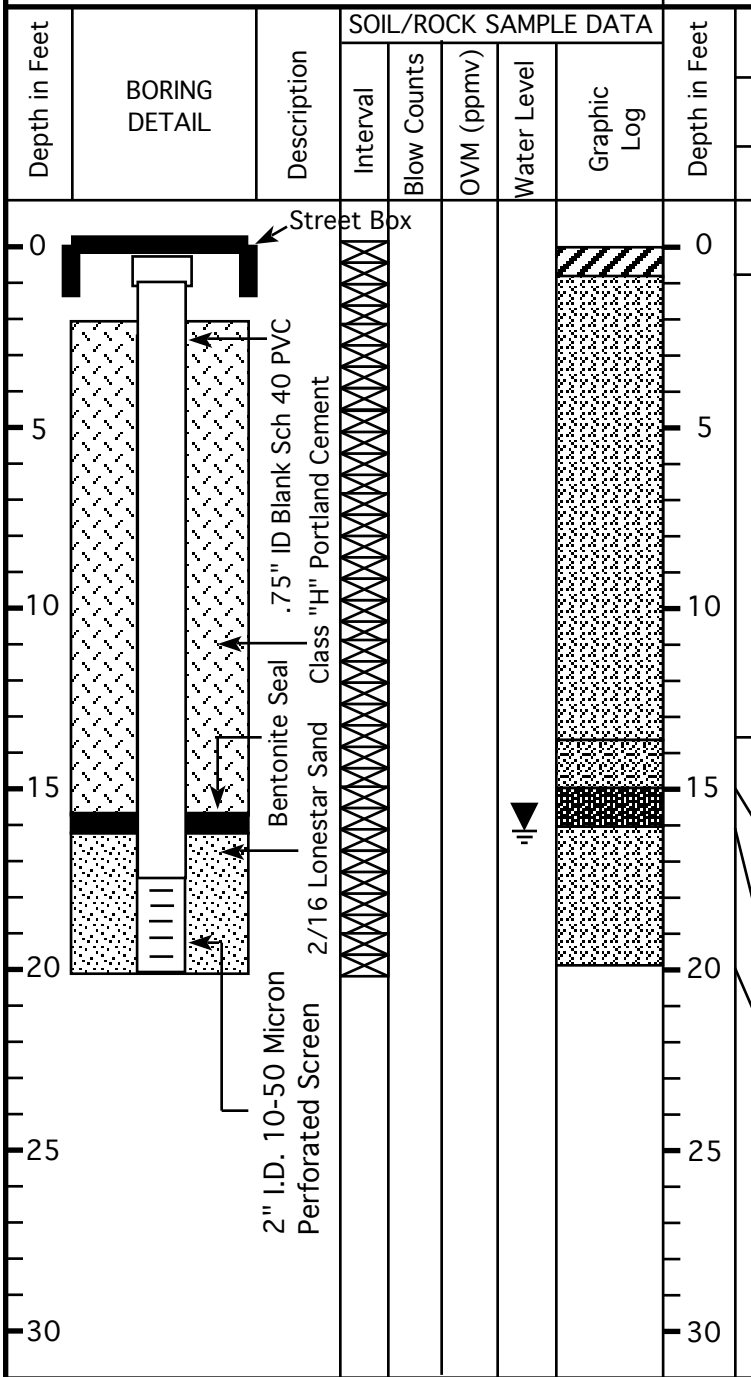
SILT (ML); light brown; damp; medium stiff; 90-100% silt; up to 10% clay; non-plastic; low estimated K; no odor

Clayey SILT (MH); red brown; medium stiff; damp; 80% silt; 10% clay; 10% sand; moderate plasticity; low estimated K; no odor
@ 47'; dry; non-plastic
(no recovery 48-50')

End of boring at 50'

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well OS-1
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 21, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: 22'
	Well Screen Type and Diameter: 30" Ozone Sparge Point
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 10-50 microns
Total Depth of Boring: 20'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

0 — Concrete

Silty SAND (SM); yellow brown; medium dense; damp; 75-80% medium sand; 20-25% silt; non-plastic; high estimated K; no odor

5

olive; moderate hydrocarbon odor at 8'

10

2" of olive clayey silt at 11.8'

Sandy SILT (ML); yellow brown; hard; damp; 60% silt; 25% fine sand; 15% clay; trace gravel; low plasticity; low estimated K; moderate hydrocarbon odor

15

Clayey SILT (ML); yellow brown; hard; damp; 65% silt; 25% clay; 10% fine to medium sand; trace gravel; non-plastic; low estimated K; moderate hydrocarbon odor

Silty SAND (SM); olive; medium dense; wet; 85-90% fine to medium sand; 10-15% silt; non-plastic; high estimated K; moderate hydrocarbon odor

20

End of boring at 20'

25

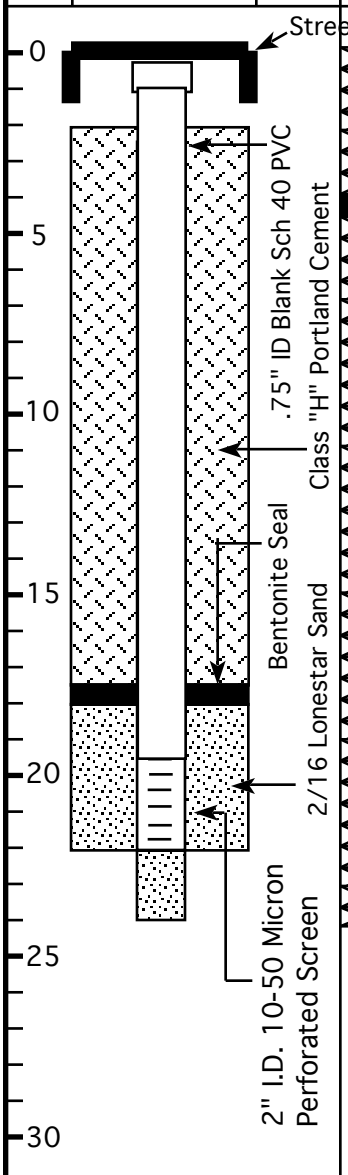
30

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well OS-2
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 21, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: 20'	Total Depth of Well Completed: 22'
	Well Screen Type and Diameter: 30" Ozone Sparge Point
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 10-50 microns
Total Depth of Boring: 24'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core

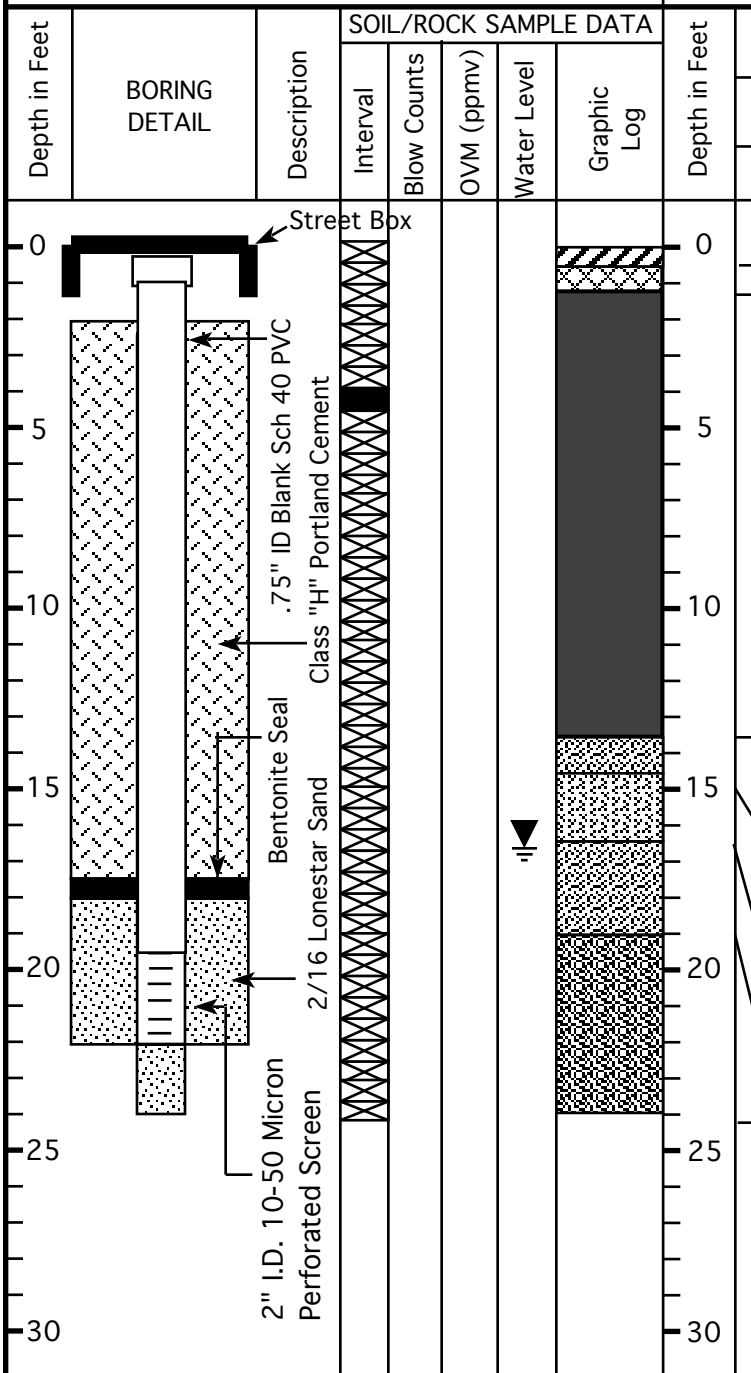


Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA: Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.)
								0	Concrete
								5	CLAY (CH); black; stiff; dry; 100% clay; high plasticity; very low estimated K; moderate hydrocarbon odor
								10	Silty CLAY (CH); black; stiff; dry; 90% clay; 10% silt; high plasticity; very low estimated K; no odor
								15	Sandy SILT (ML); olive; stiff; damp; 60% silt; 40% fine to medium sand; non-plastic; low estimated K; moderate hydrocarbon odor
									Sandy CLAY (CH); olive brown; stiff; damp; 90% clay; 10% fine to medium sand; high plasticity; very low estimated K; moderate hydrocarbon odor (no recovery 16-18')
								20	Sandy SILT (ML); yellow brown; medium stiff; moist; 60% silt; 40% fine sand; low plasticity; medium estimated K; moderate hydrocarbon odor
									Silty SAND (SM); yellow brown; loose; wet; 90% fine to medium sand; 10% silt; non-plastic; high estimated K; moderate hydrocarbon odor
								25	Sandy SILT (MH); grey; stiff; moist; 50% silt; 35% fine sand; 15% clay; moderate plasticity; low estimated K; moderate hydrocarbon odor
									End of boring at 24'
								30	

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well OS-3
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 22, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA	
Depth of Water First Encountered: 20'	Total Depth of Well Completed: 22'
	Well Screen Type and Diameter: 30" Ozone Sparge Point
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 10-50 microns
Total Depth of Boring: 24'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

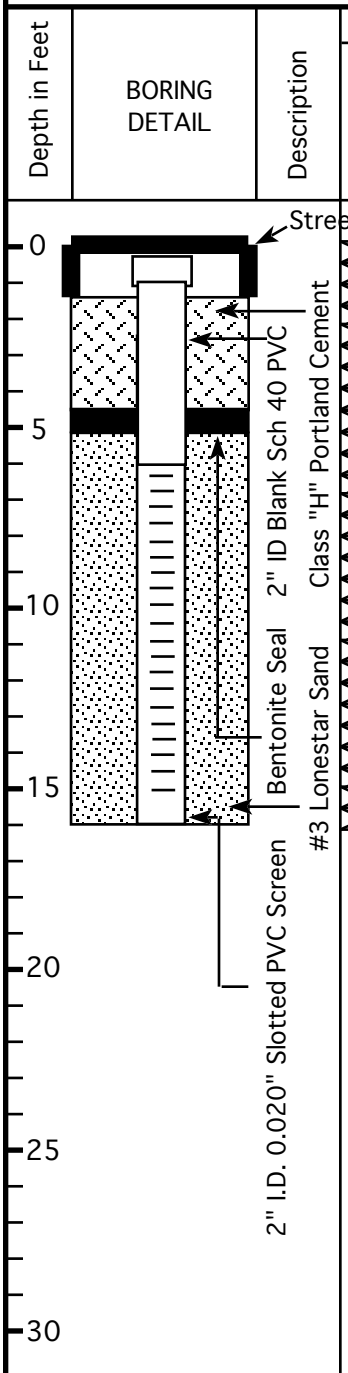
- 0 – Concrete
- Pea Gravel
- CLAY (CH); black; stiff; dry; 100% clay; high plasticity; very low estimated K; moderate hydrocarbon odor
- 15 – Sandy SILT (ML); olive; medium stiff; damp; 60% silt; 35% fine sand; 5% gravel; non-plastic; low estimated K; strong hydrocarbon odor
- Silty SAND (SM); dark yellow brown; loose; damp; 85% fine to medium sand; 15% silt; non-plastic; high estimated K; strong hydrocarbon odor
- 20 – Sandy SILT (ML); olive; medium stiff; 50% silt; 45% fine to medium sand; 5% gravel; trace clay; non-plastic; low estimated K; strong hydrocarbon odor
- SILT (ML); grey; medium stiff; damp; 100% silt; trace clay; low plasticity; low estimated K; strong hydrocarbon odor
- 25 – End of boring at 24'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well VE-1
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 21, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: NA	Total Depth of Well Completed: 16'
	Well Screen Type and Diameter: 2" Schedule 40 PVC
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 0.020" factory slotted
Total Depth of Boring: 16'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core



SOIL/ROCK SAMPLE DATA

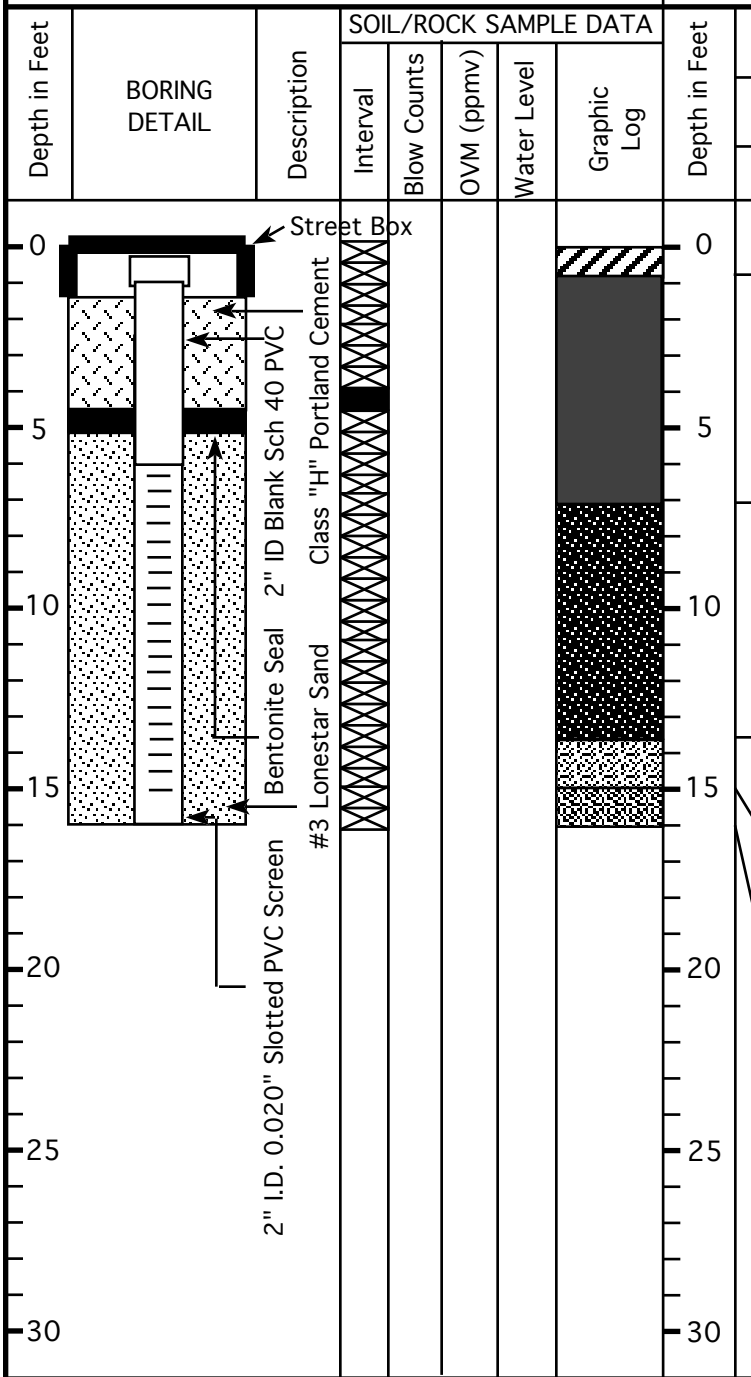
Depth in Feet	Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log	DESCRIPTION OF LITHOLOGY (standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.)
0						Concrete
						Silty SAND (SM); yellow brown; medium dense; damp; 75-80% medium sand; 20-25% silt; non-plastic; high estimated K; no odor
5						
						olive; moderate hydrocarbon odor at 8'
10						yellow brown; less odorous at 10.5'
						2" of odorous olive clayey silt at 11.8' 4" of odorous olive silty sand at 12' yellow brown; less odorous silty sand at 12.4'
15						Sandy SILT (ML); olive; stiff; moist; 50% silt; 25% fine sand; 20% clay; 5% gravel; medium plasticity; low estimated K; moderate hydrocarbon odor
						Silty SAND (SM); yellow brown; medium dense; damp; 85% medium sand; 15% silt; trace clay; non-plastic; medium estimated K; slight hydrocarbon odor
20						End of boring at 16'
25						
30						

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well VE-2
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 22, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: NA	Total Depth of Well Completed: 16'
	Well Screen Type and Diameter: 2" Schedule 40 PVC
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 0.020" factory slotted
Total Depth of Boring: 16'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core



DESCRIPTION OF LITHOLOGY

standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.

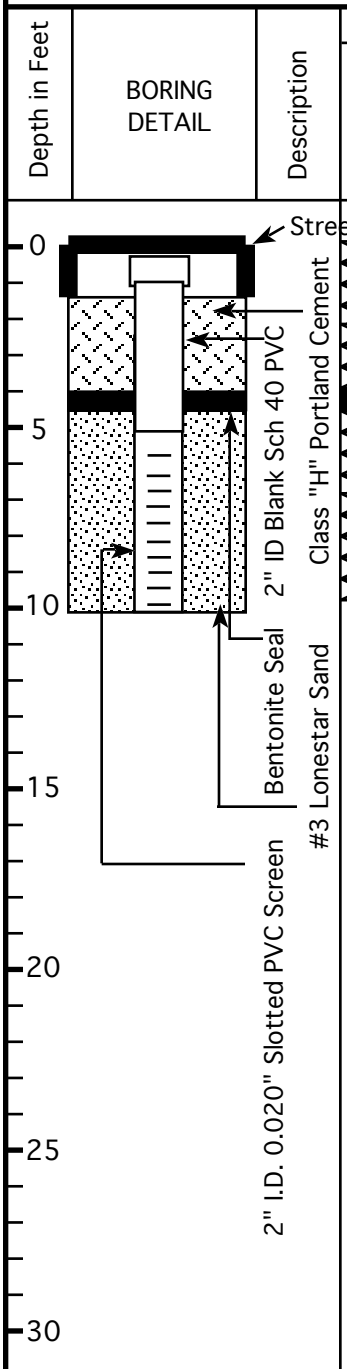
- 0 – Concrete
- 0 – CLAY (CH); black; stiff; dry; 100% clay; high plasticity; very low estimated K; moderate hydrocarbon odor
- 10 – Silty CLAY (CH); black; stiff; dry; 90% clay; 10% silt; high plasticity; very low estimated K; no odor
- 15 – Sandy SILT (ML); olive; stiff; damp; 60% silt; 40% fine to medium sand; non-plastic; low estimated K; moderate hydrocarbon odor
- Sandy CLAY (CH); olive brown; stiff; damp; 90% clay; 10% fine to medium sand; high plasticity; very low estimated K; moderate hydrocarbon odor
- End of boring at 16'

AQUA SCIENCE ENGINEERS, INC.

SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS		Well VE-3
Project Name: Albany Hill Mini-Mart	Project Location: 800 San Pablo Avenue, Albany, CA	Page 1 of 1
Driller: Precision Sampling	Type of Rig: Hollow-Stem Auger	Size of Drill: 8.0" Diameter
Logged By: Robert E. Kitay, P.G.	Date Drilled: December 22, 2005	Checked By: Robert E. Kitay, P.G.

WATER AND WELL DATA

Depth of Water First Encountered: NA	Total Depth of Well Completed: 10'
	Well Screen Type and Diameter: 2" Schedule 40 PVC
Static Depth of Water in Boring: NA	Well Screen Perforation Size: 0.020" factory slotted
Total Depth of Boring: 10'	Type and Size of Soil Sampler: 2.0" I.D. Macro Core



SOIL/ROCK SAMPLE DATA

Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log

Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	Concrete
	Pea Gravel
	CLAY (CH); black; stiff; dry; 100% clay; high plasticity; very low estimated K; moderate hydrocarbon odor
10	End of boring at 10'

AQUA SCIENCE ENGINEERS, INC.

APPENDIX D

Analytical Report and Chain of Custody Forms
For Soil and Groundwater Samples

KIFF Analytical LLC

Report Number : 48247
Date : 2/15/2006

David Rains
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 30 Soil Samples and 6 Water Samples
Project Name : Albany Hill
Project Number :

Dear Mr. Rains,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48247
Date : 2/15/2006

Subject : 30 Soil Samples and 6 Water Samples
Project Name : Albany Hill
Project Number :

Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples BH-R-39.0. These hydrocarbons are higher boiling than typical diesel fuel.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples BH-S-14.5, BH-S-19.5, BH-T-15.0 and BH-U-15.0. These hydrocarbons are lower boiling than typical diesel fuel.

Matrix Spike/Matrix Spike Duplicate Results associated with sample BH-R-24.5 for the analyte Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate Results associated with samples BH-R-39.0, BH-S-14.5 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples BH-S-25, BH-V-20-24 and BH-V-30-32.

Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for sample BH-T-34-37.

Tert-Butanol results for samples BH-S-25 and BH-T-25-27 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.

Tert-Butanol results for samples BH-R-20.0 and BH-R-24.5 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (up to 5%) converts to Tert-Butanol during the analysis of soil samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 3:1.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-25** Matrix : Water Lab Number : 48247-01

Sample Date :1/31/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Toluene	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**2800**	5.0	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**11**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**< 25**	25	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**< 500**	500	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**400**	50	ug/L	M EPA 8015	2/9/2006
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-25** Matrix : Water Lab Number : 48247-02

Sample Date :1/31/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	1.0	ug/L	EPA 8260B	2/8/2006
Toluene	**1.4**	1.0	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**17**	1.0	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**99**	1.0	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**720**	1.0	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 1.0**	1.0	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 1.0**	1.0	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**3.1**	1.0	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**34 J**	5.0	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**670**	100	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	95.2		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 200**	200	ug/L	M EPA 8015	2/9/2006
Octacosane (Diesel Surrogate)	92.8		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-25-27** Matrix : Water Lab Number : 48247-03

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**5.6**	5.0	ug/L	EPA 8260B	2/8/2006
Toluene	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**5.4**	5.0	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**2900**	5.0	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**6.3**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**30 J**	25	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**< 500**	500	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	95.3		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**640**	50	ug/L	M EPA 8015	2/7/2006
Octacosane (Diesel Surrogate)	93.8		% Recovery	M EPA 8015	2/7/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-34-37** Matrix : Water Lab Number : 48247-04

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.65**	0.50	ug/L	EPA 8260B	2/8/2006
Toluene	**0.64**	0.50	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**0.85**	0.50	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**180**	0.50	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**75**	50	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	94.2		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**450**	50	ug/L	M EPA 8015	2/11/2006
Octacosane (Diesel Surrogate)	98.2		% Recovery	M EPA 8015	2/11/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-V-20-24** Matrix : Water Lab Number : 48247-05

Sample Date :2/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**560**	7.0	ug/L	EPA 8260B	2/8/2006
Toluene	**150**	7.0	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**1100**	7.0	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**5400**	7.0	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**92**	7.0	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 7.0**	7.0	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 7.0**	7.0	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 7.0**	7.0	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**< 40**	40	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**32000**	700	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	92.8		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 10000**	10000	ug/L	M EPA 8015	2/11/2006
Octacosane (Diesel Surrogate)	90.2		% Recovery	M EPA 8015	2/11/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-V-30-32** Matrix : Water Lab Number : 48247-06

Sample Date :2/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**330**	5.0	ug/L	EPA 8260B	2/8/2006
Toluene	**93**	5.0	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	**730**	5.0	ug/L	EPA 8260B	2/8/2006
Total Xylenes	**3600**	5.0	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**91**	5.0	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 5.0**	5.0	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	**< 25**	25	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	**23000**	500	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	92.8		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 4000**	4000	ug/L	M EPA 8015	2/11/2006
Octacosane (Diesel Surrogate)	96.2		% Recovery	M EPA 8015	2/11/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-15.0** Matrix : Soil Lab Number : 48247-09

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**0.0097**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	92.9		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**51**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	115		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-20.0** Matrix : Soil Lab Number : 48247-11

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.023**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**0.034**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**0.029**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**0.16**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.11**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**0.011 J**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**1.7**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	93.3		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**55**	2.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	89.3		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-24.5** Matrix : Soil Lab Number : 48247-12

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.26**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**0.011 J**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	93.0		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-29.5** Matrix : Soil Lab Number : 48247-13

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.056**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	93.1		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-34.5** Matrix : Soil Lab Number : 48247-14

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.0081**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	91.8		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	122		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-R-39.0** Matrix : Soil Lab Number : 48247-15

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**0.014**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.018**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**0.0078**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**3.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	91.3		% Recovery	M EPA 8015	2/10/2006

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-14.5** Matrix : Soil Lab Number : 48247-18

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.15**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**0.13**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**0.29**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.018**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**0.019**	0.015	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**8.1**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	92.2		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**21**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	111		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-19.5** Matrix : Soil Lab Number : 48247-19

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.018**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**0.0097**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**0.15**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**0.86**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.078**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**0.045**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**4.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	94.6		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**24**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	109		% Recovery	M EPA 8015	2/8/2006

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-29.5** Matrix : Soil Lab Number : 48247-21

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.037**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	107		% Recovery	M EPA 8015	2/8/2006

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-35.0** Matrix : Soil Lab Number : 48247-22

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.0067**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-S-37.5** Matrix : Soil Lab Number : 48247-23

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-15.0** Matrix : Soil Lab Number : 48247-26

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.030**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.058**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**0.040**	0.015	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**2.5**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	92.4		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**15**	1.0	mg/Kg	M EPA 8015	2/14/2006
1-Chlorooctadecane (Diesel Surrogate)	93.9		% Recovery	M EPA 8015	2/14/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-20.0** Matrix : Soil Lab Number : 48247-27

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.28**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	93.9		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-25.0** Matrix : Soil Lab Number : 48247-28

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	**0.12**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	91.7		% Recovery	EPA 8260B	2/7/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-31.0** Matrix : Soil Lab Number : 48247-29

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**0.060**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	92.3		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	100		% Recovery	M EPA 8015	2/8/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-37.5** Matrix : Soil Lab Number : 48247-30

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.0085**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	93.1		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	105		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-40.0** Matrix : Soil Lab Number : 48247-31

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/7/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-43.5** Matrix : Soil Lab Number : 48247-32

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/7/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	102		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-T-50.5** Matrix : Soil Lab Number : 48247-33

Sample Date :2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	92.4		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	100		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-10.0** Matrix : Soil Lab Number : 48247-35

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.59**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**0.059**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**1.8**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**4.8**	0.25	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**0.024**	0.015	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**87**	25	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	88.7		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**64**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-15.0** Matrix : Soil Lab Number : 48247-36

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	92.4		% Recovery	EPA 8260B	2/7/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/15/2006
1-Chlorooctadecane (Diesel Surrogate)	98.9		% Recovery	M EPA 8015	2/15/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-20.0** Matrix : Soil Lab Number : 48247-37

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	105		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-25.0** Matrix : Soil Lab Number : 48247-38

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**0.0076**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	93.7		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	102		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-31.0** Matrix : Soil Lab Number : 48247-39

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.21**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**0.64**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**0.44**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**2.5**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.015**	0.015	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**22**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**14**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-36.0** Matrix : Soil Lab Number : 48247-40

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	93.4		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	95.6		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-40.0** Matrix : Soil Lab Number : 48247-41

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/7/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/9/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-45.0** Matrix : Soil Lab Number : 48247-42

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	91.8		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	107		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-U-50.0** Matrix : Soil Lab Number : 48247-43

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	92.2		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-V-10.0** Matrix : Soil Lab Number : 48247-45

Sample Date :2/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.16**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	**0.0076**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	**0.22**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	**0.29**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	**< 0.015**	0.015	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	**13**	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	108		% Recovery	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	2/8/2006
TPH as Diesel	**22**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	95.5		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48247

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-V-15.0** Matrix : Soil Lab Number : 48247-46

Sample Date :2/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	**0.0063**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	91.0		% Recovery	EPA 8260B	2/9/2006
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/10/2006
1-Chlorooctadecane (Diesel Surrogate)	92.9		% Recovery	M EPA 8015	2/10/2006

Approved By: Joel Kiff

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Report Number : 48247

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QC Report : Method Blank Data

Project Name : **Albany Hill**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	108		%	M EPA 8015	2/9/2006
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/9/2006
1-Chlorooctadecane (Diesel Surrogate)	93.0		%	M EPA 8015	2/9/2006
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/8/2006
1-Chlorooctadecane (Diesel Surrogate)	101		%	M EPA 8015	2/8/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/7/2006
Octacosane (Diesel Surrogate)	90.2		%	M EPA 8015	2/7/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/8/2006
Octacosane (Diesel Surrogate)	85.6		%	M EPA 8015	2/8/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/11/2006
Octacosane (Diesel Surrogate)	86.0		%	M EPA 8015	2/11/2006
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/14/2006
1-Chlorooctadecane (Diesel Surrogate)	89.5		%	M EPA 8015	2/14/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/15/2006
1-Chlorooctadecane (Diesel Surrogate)	96.3		%	M EPA 8015	2/15/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	94.8		%	EPA 8260B	2/7/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/7/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	98.8		%	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	94.8		%	EPA 8260B	2/7/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

Date : 2/15/2006

QC Report : Method Blank Data

Project Name : **Albany Hill**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	2/8/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/9/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/9/2006
Toluene - d8 (Surr)	96.3		%	EPA 8260B	2/9/2006
4-Bromofluorobenzene (Surr)	94.2		%	EPA 8260B	2/9/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/8/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	96.7		%	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	97.2		%	EPA 8260B	2/8/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2006
Toluene - d8 (Surr)	95.4		%	EPA 8260B	2/7/2006
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	2/7/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Method Blank Data

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/8/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/8/2006
Toluene - d8 (Surr)	94.5		%	EPA 8260B	2/8/2006
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	2/8/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

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KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	48240-01	1.0	20.0	20.0	22.8	22.4	mg/Kg	M EPA 8015	2/9/06	109	106	2.06	60-140	25
TPH as Diesel	48247-36	1.8	20.0	20.0	17.1	17.7	mg/Kg	M EPA 8015	2/9/06	78.8	81.3	3.18	60-140	25
TPH as Diesel	48247-27	<1.0	20.0	20.0	20.0	19.4	mg/Kg	M EPA 8015	2/8/06	99.8	97.3	2.56	60-140	25
TPH as Diesel	Blank	<50	1000	1000	793	887	ug/L	M EPA 8015	2/7/06	79.3	88.7	11.2	70-130	25
TPH as Diesel	Blank	<50	1000	1000	872	851	ug/L	M EPA 8015	2/8/06	87.2	85.1	2.40	70-130	25
TPH as Diesel	Blank	<50	1000	1000	867	865	ug/L	M EPA 8015	2/11/06	86.7	86.5	0.300	70-130	25
TPH as Diesel	48344-05	<1.0	20.0	20.0	17.4	20.8	mg/Kg	M EPA 8015	2/14/06	87.0	104	17.7	60-140	25
TPH as Diesel	48358-04	1.4	20.0	20.0	20.1	20.5	mg/Kg	M EPA 8015	2/15/06	94.1	95.9	1.90	60-140	25
Benzene	48157-05	<0.0050	0.0372	0.0366	0.0370	0.0343	mg/Kg	EPA 8260B	2/7/06	99.5	93.7	5.95	70-130	25
Toluene	48157-05	<0.0050	0.0372	0.0366	0.0357	0.0333	mg/Kg	EPA 8260B	2/7/06	96.1	91.0	5.50	70-130	25
Tert-Butanol	48157-05	<0.0050	0.186	0.183	0.178	0.173	mg/Kg	EPA 8260B	2/7/06	95.6	94.4	1.19	70-130	25
Methyl-t-Butyl Ether	48157-05	<0.0050	0.0372	0.0366	0.0450	0.0423	mg/Kg	EPA 8260B	2/7/06	121	115	4.71	70-130	25
Benzene	48247-36	<0.0050	0.0384	0.0398	0.0375	0.0386	mg/Kg	EPA 8260B	2/7/06	97.7	97.0	0.739	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene	48247-36	<0.0050	0.0384	0.0398	0.0372	0.0382	mg/Kg	EPA 8260B	2/7/06	96.8	96.0	0.832	70-130	25
Tert-Butanol	48247-36	<0.0050	0.192	0.199	0.183	0.187	mg/Kg	EPA 8260B	2/7/06	95.4	94.1	1.42	70-130	25
Methyl-t-Butyl Ether	48247-36	<0.0050	0.0384	0.0398	0.0373	0.0388	mg/Kg	EPA 8260B	2/7/06	97.1	97.6	0.604	70-130	25
Benzene	48247-37	<0.0050	0.0389	0.0380	0.0385	0.0336	mg/Kg	EPA 8260B	2/8/06	98.9	88.3	11.3	70-130	25
Toluene	48247-37	<0.0050	0.0389	0.0380	0.0389	0.0336	mg/Kg	EPA 8260B	2/8/06	100	88.4	12.3	70-130	25
Tert-Butanol	48247-37	<0.0050	0.194	0.190	0.166	0.168	mg/Kg	EPA 8260B	2/8/06	85.6	88.4	3.17	70-130	25
Methyl-t-Butyl Ether	48247-37	<0.0050	0.0389	0.0380	0.0434	0.0390	mg/Kg	EPA 8260B	2/8/06	111	103	8.14	70-130	25
Benzene	48276-03	<0.0050	0.0398	0.0368	0.0290	0.0300	mg/Kg	EPA 8260B	2/9/06	73.1	81.5	10.9	70-130	25
Toluene	48276-03	<0.0050	0.0398	0.0368	0.0270	0.0278	mg/Kg	EPA 8260B	2/9/06	67.8	75.8	11.1	70-130	25
Tert-Butanol	48276-03	<0.0050	0.199	0.184	0.181	0.167	mg/Kg	EPA 8260B	2/9/06	91.0	90.8	0.287	70-130	25
Methyl-t-Butyl Ether	48276-03	<0.0050	0.0398	0.0368	0.0359	0.0351	mg/Kg	EPA 8260B	2/9/06	90.3	95.4	5.52	70-130	25
Benzene	48259-03	<0.0050	0.0995	0.0990	0.0926	0.0953	mg/Kg	EPA 8260B	2/9/06	93.0	96.3	3.42	70-130	25
Toluene	48259-03	0.021	0.0995	0.0990	0.0996	0.120	mg/Kg	EPA 8260B	2/9/06	78.7	99.2	23.0	70-130	25
Tert-Butanol	48259-03	0.048	0.498	0.495	0.505	0.516	mg/Kg	EPA 8260B	2/9/06	91.9	94.6	2.93	70-130	25
Methyl-t-Butyl Ether	48259-03	0.060	0.0995	0.0990	0.144	0.189	mg/Kg	EPA 8260B	2/9/06	84.5	130	42.7	70-130	25
Benzene	48252-01	<0.50	40.0	40.0	40.6	39.7	ug/L	EPA 8260B	2/7/06	101	99.3	2.08	70-130	25
Toluene	48252-01	<0.50	40.0	40.0	37.8	37.1	ug/L	EPA 8260B	2/7/06	94.6	92.7	1.98	70-130	25
Tert-Butanol	48252-01	<5.0	200	200	190	196	ug/L	EPA 8260B	2/7/06	95.3	98.3	3.12	70-130	25
Methyl-t-Butyl Ether	48252-01	<0.50	40.0	40.0	43.5	42.3	ug/L	EPA 8260B	2/7/06	109	106	2.86	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48253-01	<0.50	40.0	40.0	39.4	38.3	ug/L	EPA 8260B	2/8/06	98.5	95.7	2.92	70-130	25
Toluene	48253-01	<0.50	40.0	40.0	36.8	35.7	ug/L	EPA 8260B	2/8/06	91.9	89.3	2.90	70-130	25
Tert-Butanol	48253-01	<5.0	200	200	197	191	ug/L	EPA 8260B	2/8/06	98.4	95.3	3.17	70-130	25
Methyl-t-Butyl Ether	48253-01	8.8	40.0	40.0	51.4	50.8	ug/L	EPA 8260B	2/8/06	106	105	1.39	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Laboratory Control Sample (LCS)

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/9/06	92.2	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/9/06	89.6	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/8/06	99.2	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/14/06	102	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/15/06	87.2	70-130
Benzene	0.0387	mg/Kg	EPA 8260B	2/7/06	101	70-130
Toluene	0.0387	mg/Kg	EPA 8260B	2/7/06	95.4	70-130
Tert-Butanol	0.193	mg/Kg	EPA 8260B	2/7/06	96.8	70-130
Methyl-t-Butyl Ether	0.0387	mg/Kg	EPA 8260B	2/7/06	108	70-130
Benzene	0.0385	mg/Kg	EPA 8260B	2/7/06	99.8	70-130
Toluene	0.0385	mg/Kg	EPA 8260B	2/7/06	98.6	70-130
Tert-Butanol	0.193	mg/Kg	EPA 8260B	2/7/06	92.3	70-130
Methyl-t-Butyl Ether	0.0385	mg/Kg	EPA 8260B	2/7/06	97.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Laboratory Control Sample (LCS)

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0380	mg/Kg	EPA 8260B	2/8/06	99.4	70-130
Toluene	0.0380	mg/Kg	EPA 8260B	2/8/06	99.2	70-130
Tert-Butanol	0.190	mg/Kg	EPA 8260B	2/8/06	89.9	70-130
Methyl-t-Butyl Ether	0.0380	mg/Kg	EPA 8260B	2/8/06	103	70-130
Benzene	0.0393	mg/Kg	EPA 8260B	2/8/06	86.6	70-130
Toluene	0.0393	mg/Kg	EPA 8260B	2/8/06	82.6	70-130
Tert-Butanol	0.196	mg/Kg	EPA 8260B	2/8/06	93.6	70-130
Methyl-t-Butyl Ether	0.0393	mg/Kg	EPA 8260B	2/8/06	90.4	70-130
Benzene	0.0398	mg/Kg	EPA 8260B	2/9/06	97.4	70-130
Toluene	0.0398	mg/Kg	EPA 8260B	2/9/06	91.7	70-130
Tert-Butanol	0.199	mg/Kg	EPA 8260B	2/9/06	96.5	70-130
Methyl-t-Butyl Ether	0.0398	mg/Kg	EPA 8260B	2/9/06	108	70-130
Benzene	40.0	ug/L	EPA 8260B	2/7/06	94.3	70-130
Toluene	40.0	ug/L	EPA 8260B	2/7/06	92.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/7/06	88.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/7/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	2/8/06	93.7	70-130
Toluene	40.0	ug/L	EPA 8260B	2/8/06	91.7	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48247

QC Report : Laboratory Control Sample (LCS)

Date : 2/15/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	200	ug/L	EPA 8260B	2/8/06	95.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/8/06	105	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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48247

ASE
AQUA SCIENCE ENGINEERS
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

Analytical Laboratory Name: Alberty Hill

Project Name: Sample Location:

Sampled by: David Rains Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Type	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 oxys by EPA Method 8260B	Type of Analysis to be Performed: TPH-D by EPA Method 8015M	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Other:	Other:	Other:	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	
BH-R-25	x		x								5	1-31-06		1438	x	x										x					01
BH-S-25											4	1-31-06		1225	x	x										x					02
BH-T-25-27											3	2-1-06		1209	x	x										x					03
BH-T-34-37											3	2-1-06		1406	x	x										x					04
BH-V-20-24											6	2-3-06		1100	x	x										x					05
BH-V-30-32											5	2-3-06		1200	x	x										x					06

Total # of containers: 28

Comments:

Sample Receipt
Temp °C 1.4 Therm. ID# IR-1
Initial MAS Date 020606
Time 1720 Coolant present: (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
Ryan C. Kirby	2-6-06	11:45			
			Michelle Spencer Kiff Analytical	020606	1145

8/24/00

48247

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Chain of Custody

Analytical Laboratory Name: Kiff

Project Name: Albany Hill

Sample Location: 700 San Pablo, Alameda

Sampled by: David Rains

Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 oxys by EPA Method 8260B	Type of Analysis to be Performed: TPH-D by EPA Method 8015M	Other: Hold	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	
BH-R-5.0	X			X			X				1	1-30-06	1046			X						07
BH-R-9.5													1048			X						08
BH-R-15.0													1153	X	X		X					09
BH-R-18.5													1152			X						10
BH-R-20.0													1230	X	X		X					11
BH-R-24.5													1232	X	X		X					12
BH-R-29.5													1256	X	X		X					13
BH-R-34.5													1306	X	X		X					14
BH-R-39.0													1317	X	X		X					15

Total # of containers: 9

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2-6-06	11:45			
			Michelle Spencer Kiff Analytical	020606	1145

48247

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Chain of Custody

Analytical Laboratory Name: Kiff

Project Name: Albany Hill

Sample Location: Albany CA

Sampled by: David Rains

Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 oxys by EPA Method 8260B	Type of Analysis to be Performed: TPH-D by EPA Method 8015M	Other: HOLD	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	
BH-S-5.0	X			X			X				1	1-30-06	1441			X						16
BH-S-9.5													1445			X						17
BH-S-14.5													1507	X	X		X					18
BH-S-19.5													1529	X	X		X					19
BH-S-25.0													1549			X						20
BH-S-29.5													1646	X	X		X					21
BH-S-35.0													1843	X	X		X					22
BH-S-37.5													1839	X	X		X					23
																	✓					24 MW

Total # of containers: 8

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	2-6-06	11:45			
			Michelle Spencer (Kiff Analytical)	020606	1145

8/24/00

4/8247

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Chain of Custody

Analytical Laboratory Name: Kiff

Project Name: Albany Hill Sample Location:

Sampled by: David Rains Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 Oxys by EPA Method 8260B	Type of Analysis to be Performed: TPH-D by EPA Method 8015M	Other:	Other:	Other:	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	MWS
BH-T-5.0	X			X			X				1	2-1-06	0856					X						25 24
BH-T-11.0													0904					X						26 25
BH-T-15.0													0915	X	X				X					27 26
BH-T-20.0													0935	X	X				X					28 27
BH-T-25.0													0950	X	X				X					29 28
BH-T-31.0													1000	X	X				X					30 29
BH-T-37.5													1019	X	X				X					31 30
BH-T-40.0													1035	X	X				X					32 31
BH-T-43.5													1059	X	X				X					33 32
BH-T-50.5													1105	X	X				X					34 33
Total # of containers:											10													

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Ryan C. Kirby	2-6-06	11:45			
			Michelle Spencer Kiff Analytical	020606	1145

48247

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Chain of Custody

Analytical Laboratory Name: Kiff

Project Name: Albany Hill Sample Location:

Sampled by: David Rains Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 oxys by EPA Method 8260B	Type of Analysis to be Performed: TPH-D by EPA Method 8015M	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Type of Analysis to be Performed:	Other:	Other:	Other: #OLD	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	MW
BH-U-5.0	X			X			X				1	2-2-06	826											X						35 34
BH-U-10.0													855	X	X										X					36 35
BH-U-15.0													857	X	X										X					37 36
BH-U-20.0													909	X	X										X					38 37
BH-U-25.0													930	X	X										X					39 38
BH-U-31.0													940	X	X										X					40 39
BH-U-36.0													950	X	X										X					41 40
BH-U-40.0													1005	X	X										X					42 41
BH-U-45.0													1020	X	X										X					43 42
BH-U-50.0	↓			↓			↓				↓	↓	1025	X	X										X					44 43

Total # of containers: 10

Relinquished by:	Date	Time	Received by:	Date	Time
Ryan C. Kelly	2-6-06	11:45			
			Michelle Spencer Kiff Analytical	020606	1145

Comments:

8/24/00

48247

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Danville, CA 94526
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FAX (925) 837-4853

Chain of Custody

Analytical Laboratory Name: Kiff

Project Name: Albany Hill Sample Location:

Sampled by: David Rains Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/5 OXYS by EPA Method 8260B	Type of Analysis to be Performed: TPH-D	Other: HOLD	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other
BH-V-5.0	X			X			X				1	2-3-06	929			X					
BH-V-10.0													938	X	X		X				
BH-V-15.0													955	X	X		X				
BH-V-20.0													1009			X					
BH-V-25.0													1035			X					
BH-V-30.0													1046			X					
BH-V-35.0													1125			X					
BH-V-45.0													1150			X					
BH-V-50.0	↓			↓			↓				↓	↓	1155			X					

Total # of containers: 9

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Kyle E. Kley	2-6-06	11:45			
			Michelle Spencer	020606	1145

Kiff Analytical

45	44
46	45
47	46
48	47
49	48
50	49
51	50
52	51
53	52

8/24/00

KIFF Analytical LLC

Report Number : 48331
Date : 2/16/2006

Robert Kitay
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 11 Soil Samples and 2 Water Samples
Project Name : Albany Hill
Project Number :

Dear Mr. Kitay,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48331
Date : 2/16/2006

Subject : 11 Soil Samples and 2 Water Samples
Project Name : Albany Hill
Project Number :

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample BH-X-32-34.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical diesel chromatographic pattern for samples BH-W-10.0 and BH-X-20.5. These hydrocarbons are lower boiling than typical diesel fuel.

Matrix Spike/Matrix Spike Duplicate Results associated with sample BH-X-20.5 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Matrix Spike/Matrix Spike Duplicate Results associated with sample for the analyte Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-10.0** Matrix : Soil Lab Number : 48331-02

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.088**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**0.34**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**0.12**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**0.017**	0.015	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**17**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**7.5**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	87.3		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-15.0** Matrix : Soil Lab Number : 48331-03

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/10/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	2/10/2006
4-Bromofluorobenzene (Surr)	95.5		% Recovery	EPA 8260B	2/10/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	92.8		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-20.0** Matrix : Soil Lab Number : 48331-04

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	93.7		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-30.0** Matrix : Soil Lab Number : 48331-06

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/10/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/10/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	2/10/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/10/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	103		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-40.0** Matrix : Soil Lab Number : 48331-08

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**0.0084**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	111		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	91.3		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-50.0** Matrix : Soil Lab Number : 48331-10

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	92.9		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-W-30-32** Matrix : Water Lab Number : 48331-11

Sample Date :2/6/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.2**	0.50	ug/L	EPA 8260B	2/13/2006
Toluene	**1.2**	0.50	ug/L	EPA 8260B	2/13/2006
Ethylbenzene	**6.2**	0.50	ug/L	EPA 8260B	2/13/2006
Total Xylenes	**20**	0.50	ug/L	EPA 8260B	2/13/2006
Methyl-t-butyl ether (MTBE)	**0.77**	0.50	ug/L	EPA 8260B	2/13/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/13/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/13/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	2/13/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	2/13/2006
TPH as Gasoline	**310**	50	ug/L	EPA 8260B	2/13/2006
Toluene - d8 (Surr)	91.4		% Recovery	EPA 8260B	2/13/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/13/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	2/15/2006
Octacosane (Diesel Surrogate)	87.8		% Recovery	M EPA 8015	2/15/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-10.5** Matrix : Soil Lab Number : 48331-13

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.018**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**0.030**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	91.6		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-15.0** Matrix : Soil Lab Number : 48331-14

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	92.6		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-20.5** Matrix : Soil Lab Number : 48331-15

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.018**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Ethylbenzene	**0.11**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Total Xylenes	**0.26**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/14/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/15/2006
TPH as Gasoline	**5.8**	1.0	mg/Kg	EPA 8260B	2/14/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2006
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	2/14/2006
TPH as Diesel (Silica Gel)	**3.1**	1.0	mg/Kg	M EPA 8015	2/14/2006
1-Chlorooctadecane (Silica Gel Surr)	98.4		% Recovery	M EPA 8015	2/14/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-30.5** Matrix : Soil Lab Number : 48331-17

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	92.5		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-40.0** Matrix : Soil Lab Number : 48331-19

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/11/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	93.8		% Recovery	M EPA 8015	2/13/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48331

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Sample : **BH-X-32-34** Matrix : Water Lab Number : 48331-21

Sample Date :2/7/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**36**	1.5	ug/L	EPA 8260B	2/13/2006
Toluene	**4.9**	1.5	ug/L	EPA 8260B	2/13/2006
Ethylbenzene	**200**	1.5	ug/L	EPA 8260B	2/13/2006
Total Xylenes	**560**	1.5	ug/L	EPA 8260B	2/13/2006
Methyl-t-butyl ether (MTBE)	**< 1.5**	1.5	ug/L	EPA 8260B	2/13/2006
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	2/13/2006
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	2/13/2006
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	2/13/2006
Tert-Butanol	**< 7.0**	7.0	ug/L	EPA 8260B	2/13/2006
TPH as Gasoline	**6300**	150	ug/L	EPA 8260B	2/13/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	2/13/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	2/13/2006
TPH as Diesel (Silica Gel)	**< 500**	500	ug/L	M EPA 8015	2/15/2006
Octacosane (Diesel Surrogate)	89.0		% Recovery	M EPA 8015	2/15/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

Date : 2/16/2006

QC Report : Method Blank Data

Project Name : **Albany Hill**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	2/13/2006
1-Chlorooctadecane (Silica Gel Surr)	80.7		%	M EPA 8015	2/13/2006
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	2/15/2006
Octacosane (Diesel Surrogate)	83.0		%	M EPA 8015	2/15/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/10/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/10/2006
Toluene - d8 (Surr)	112		%	EPA 8260B	2/10/2006
4-Bromofluorobenzene (Surr)	96.7		%	EPA 8260B	2/10/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/11/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/11/2006
Toluene - d8 (Surr)	99.1		%	EPA 8260B	2/11/2006
4-Bromofluorobenzene (Surr)	92.2		%	EPA 8260B	2/11/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/13/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/13/2006
Toluene - d8 (Surr)	99.0		%	EPA 8260B	2/13/2006
4-Bromofluorobenzene (Surr)	92.7		%	EPA 8260B	2/13/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/13/2006
Toluene - d8 (Surr)	109		%	EPA 8260B	2/13/2006
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	2/13/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

QC Report : Method Blank Data

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/14/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/13/2006
Toluene - d8 (Surr)	91.1		%	EPA 8260B	2/13/2006
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	2/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	48330-06	1.3	20.0	20.0	18.8	19.5	mg/Kg	M EPA 8015	2/13/06	88.3	91.5	3.62	60-140	25
TPH as Diesel	Blank	<50	1000	1000	774	738	ug/L	M EPA 8015	2/15/06	77.4	73.8	4.71	70-130	25
Benzene	48331-06	<0.0050	0.0400	0.0397	0.0358	0.0355	mg/Kg	EPA 8260B	2/10/06	89.5	89.5	0.0139	70-130	25
Toluene	48331-06	<0.0050	0.0400	0.0397	0.0402	0.0396	mg/Kg	EPA 8260B	2/10/06	100	99.8	0.769	70-130	25
Tert-Butanol	48331-06	<0.0050	0.200	0.198	0.181	0.169	mg/Kg	EPA 8260B	2/10/06	90.6	85.1	6.30	70-130	25
Methyl-t-Butyl Ether	48331-06	<0.0050	0.0400	0.0397	0.0312	0.0312	mg/Kg	EPA 8260B	2/10/06	77.9	78.6	0.886	70-130	25
Benzene	48344-14	<0.0050	0.0372	0.0366	0.0354	0.0344	mg/Kg	EPA 8260B	2/11/06	95.1	94.0	1.15	70-130	25
Toluene	48344-14	<0.0050	0.0372	0.0366	0.0356	0.0344	mg/Kg	EPA 8260B	2/11/06	95.7	94.1	1.68	70-130	25
Tert-Butanol	48344-14	<0.0050	0.186	0.183	0.171	0.166	mg/Kg	EPA 8260B	2/11/06	92.2	90.7	1.69	70-130	25
Methyl-t-Butyl Ether	48344-14	<0.0050	0.0372	0.0366	0.0361	0.0345	mg/Kg	EPA 8260B	2/11/06	97.1	94.3	2.87	70-130	25
Benzene	47977-11	<0.0050	0.0398	0.0398	0.0369	0.0361	mg/Kg	EPA 8260B	2/13/06	92.8	90.6	2.38	70-130	25
Toluene	47977-11	<0.0050	0.0398	0.0398	0.0358	0.0362	mg/Kg	EPA 8260B	2/13/06	90.0	90.8	0.779	70-130	25
Tert-Butanol	47977-11	0.16	0.199	0.199	0.349	0.334	mg/Kg	EPA 8260B	2/13/06	92.1	84.2	8.91	70-130	25
Methyl-t-Butyl Ether	47977-11	0.060	0.0398	0.0398	0.0878	0.0741	mg/Kg	EPA 8260B	2/13/06	69.0	34.4	66.9	70-130	25
Benzene	48371-06	<0.50	39.8	39.9	39.4	38.6	ug/L	EPA 8260B	2/13/06	98.8	96.8	2.10	70-130	25
Toluene	48371-06	<0.50	39.8	39.9	39.2	38.6	ug/L	EPA 8260B	2/13/06	98.3	96.8	1.60	70-130	25
Tert-Butanol	48371-06	<5.0	199	200	187	180	ug/L	EPA 8260B	2/13/06	93.7	90.2	3.78	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-Butyl Ether	48371-06	<0.50	39.8	39.9	40.3	41.5	ug/L	EPA 8260B	2/13/06	101	104	2.67	70-130	25
Benzene	48105-22	<0.0050	0.0399	0.0396	0.0351	0.0343	mg/Kg	EPA 8260B	2/14/06	88.0	86.6	1.59	70-130	25
Toluene	48105-22	0.019	0.0399	0.0396	0.0449	0.0446	mg/Kg	EPA 8260B	2/14/06	64.4	64.1	0.431	70-130	25
Tert-Butanol	48105-22	0.072	0.200	0.198	0.235	0.236	mg/Kg	EPA 8260B	2/14/06	81.6	83.1	1.86	70-130	25
Methyl-t-Butyl Ether	48105-22	0.065	0.0399	0.0396	0.0914	0.0806	mg/Kg	EPA 8260B	2/14/06	67.1	40.3	49.9	70-130	25
Benzene	48359-08	<0.50	40.0	40.0	35.0	34.6	ug/L	EPA 8260B	2/13/06	87.5	86.5	1.12	70-130	25
Toluene	48359-08	<0.50	40.0	40.0	32.0	31.8	ug/L	EPA 8260B	2/13/06	79.9	79.4	0.653	70-130	25
Tert-Butanol	48359-08	<5.0	200	200	178	173	ug/L	EPA 8260B	2/13/06	89.1	86.6	2.83	70-130	25
Methyl-t-Butyl Ether	48359-08	<0.50	40.0	40.0	37.1	37.5	ug/L	EPA 8260B	2/13/06	92.8	93.9	1.13	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

QC Report : Laboratory Control Sample (LCS)

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/13/06	87.9	70-130
Benzene	0.0388	mg/Kg	EPA 8260B	2/10/06	92.7	70-130
Toluene	0.0388	mg/Kg	EPA 8260B	2/10/06	104	70-130
Tert-Butanol	0.194	mg/Kg	EPA 8260B	2/10/06	90.8	70-130
Methyl-t-Butyl Ether	0.0388	mg/Kg	EPA 8260B	2/10/06	78.8	70-130
Benzene	0.0394	mg/Kg	EPA 8260B	2/11/06	95.9	70-130
Toluene	0.0394	mg/Kg	EPA 8260B	2/11/06	95.7	70-130
Tert-Butanol	0.197	mg/Kg	EPA 8260B	2/11/06	89.9	70-130
Methyl-t-Butyl Ether	0.0394	mg/Kg	EPA 8260B	2/11/06	95.3	70-130
Benzene	0.0400	mg/Kg	EPA 8260B	2/13/06	88.6	70-130
Toluene	0.0400	mg/Kg	EPA 8260B	2/13/06	94.9	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	2/13/06	84.6	70-130
Methyl-t-Butyl Ether	0.0400	mg/Kg	EPA 8260B	2/13/06	71.9	70-130
Benzene	40.0	ug/L	EPA 8260B	2/13/06	93.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/13/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/13/06	88.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/13/06	80.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48331

QC Report : Laboratory Control Sample (LCS)

Date : 2/16/2006

Project Name : **Albany Hill**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0400	mg/Kg	EPA 8260B	2/14/06	93.0	70-130
Toluene	0.0400	mg/Kg	EPA 8260B	2/14/06	87.7	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	2/14/06	93.6	70-130
Methyl-t-Butyl Ether	0.0400	mg/Kg	EPA 8260B	2/14/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	2/13/06	95.9	70-130
Toluene	40.0	ug/L	EPA 8260B	2/13/06	89.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/13/06	90.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/13/06	110	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

48331

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

SAMPLER (SIGNATURE)

PROJECT NAME Albany Hill Gas JOB NO.

ADDRESS 800 San Pablo Ave Albany

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

	SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX	TPH-DIESEL W Silica Gel Cleanup	TPH-MINERAL SPIRITS W/ Silica Gel Cleanup	PURGEABLE HALOCARBONS	VOLATILE ORGANICS (EPA 8260)	SEMI-VOLATILE ORGANICS	OIL & GREASE	LUFT METALS (5)	CAM 17 METALS	PCBs & PESTICIDES	ORGANOPHOSPHORUS PESTICIDES	FUEL OXYGENATES	Pb (TOTAL or DISSOLVED)	TPH-G/BTEX/5 OXY'S (EPA 8260)	HOLD			
✓	BH-W-5.0	2-6-06	920	S	1															X			01
✓	BH-W-10.0		925		1		X												X				02
✓	BH-W-15.0		935		1		X												X				03
✓	BH-W-20.0		950		1		X												X				04
✓	BH-W-25.0		1006		1															X			05
✓	BH-W-30.0		1015		1		X												X				06
✓	BH-W-35.0		1035		1															X			07
✓	BH-W-40.0		1044		1		X												X				08
✓	BH-W-45.0		1055		1															X			09
✓	BH-W-50.0		1100	↓	1		X												X				10
✓	BH-W-30-32	↓	1355	W	6		X												X				11

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time) 1431	
Robert E. Kirby			Brian A. Brancellum	
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date) 020906	
Company- ASE	Company-	Company-	Company- Kiff Analytical	TURN AROUND TIME: STANDARD 24Hr 48Hr 72Hr
				OTHER:

Cooler #1 Sample Receipt: Temp °C 2.4 Therm. ID# TR-1 Initial BAB Date 020906 Time 1640 Coolant present: (Y) N

Cooler #2 Sample Receipt: Temp °C 1.4 Therm. ID# TR-1 Initial BAB Date 020906 Time 1640 Coolant present: (Y) N

48331

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

SAMPLER (SIGNATURE)

PROJECT NAME Albany Hill JOB NO.

ADDRESS

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

	SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX	TPH-DIESEL W Silica Gel Cleanup	TPH-MINERAL SPIRITS W/ Silica Gel Cleanup	PURGEABLE HALOCARBONS	VOLATILE ORGANICS (EPA 8260)	SEMI-VOLATILE ORGANICS	OIL & GREASE	LUFT METALS (5)	CAM 17 METALS	PCBs & PESTICIDES	ORGANOPHOSPHORUS PESTICIDES	FUEL OXYGENATES	Pb (TOTAL or DISSOLVED)	TPH-G/BTEX/5 OXY'S (EPA 8260)	HOLD			
✓	BH-X-5.0	2-7-06	835	S	1															X			12
✓	BH-X-10.5		845		1		X												X				13
✓	BH-X-15.0		850		1		X												X				14
✓	BH-X-20.5		935		1		X												X				15
✓	BH-X-25.0		946		1															X			16
✓	BH-X-30.5		955		1		X												X				17
✓	BH-X-35.0		1015		1															X			18
✓	BH-X-40.0		1030		1		X												X				19
✓	BH-X-45.0		1040	↓	1															X			20
✓	BH-X-32-34		1400	W	6		X												X				21

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time) 1431	
D. Rains (printed name) (date)	(printed name) (date)	(printed name) (date)	BRIAN A. BRANSCUM (printed name) (date) 020906	TURN AROUND TIME: STANDARD 24Hr 48Hr 72Hr
Company- ASE	Company-	Company-	Company- Kiff Analytical	OTHER:

APPENDIX E

Vapor Extraction Test Data

ALBANY HILL VAPOR-EXTRACTION TEST DATA
PERFORMED ON VE-2

DATE 03-27-06

TIME TEST BEGAN 0800

TIME TEST ENDED 1600

NEGATIVE PRESSURE (VACUUM) READINGS

OBSERV. POINT	INITIAL READING	TIME 0805	TIME 0900	TIME 1000	TIME 1100	TIME 1200	TIME 1300	TIME 1400	TIME 1500	TIME 1600	TIME	TIME	TIME
VE-1	0	0	0	0	0	0	0	0	0	0			
VE-3	0	0	0	0	0	0	0	0	0	0			
MW-2	0	0	0	0	0	0	0	0	0	0			
MW-3	0	0	0	0	0	0	0	0	0	0			
MW-6	0	0	0	0	0	0	0	0	0	0			

TREATMENT SYSTEM OPERATING PARAMETERS

TIME	VACUUM ON VE-2 IN INCHES OF WATER	AIRFLOW FROM VE-2 IN CFM	SOIL GAS TEMPERATURE	OVM READING
0805	50	5→0	NM	0
0900	40	0	66	140
1000	40	0	NM	275
1100	40	0	62	65
1200	40	0	NM	78
1300	40	0	62	75
1400	40	0	NM	40
1500	40	0	62	31
1600	40	0	NM	12

WATER ELEVATION IN VE-2 AT START/END

6.75 / 6.50

GALLONS REMOVED FROM VE-2 DURING TEST

5

TIME AIRBAG SAMPLES WERE COLLECTED

APPENDIX F

Analytical Report and Chain of Custody Forms
For Vapor Extraction Test Sample

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc. 208 West El Pintado Road Danville, CA 94526	Client Project ID: Albany Hill	Date Sampled: 03/27/06
		Date Received: 03/28/06
	Client Contact: David Rains	Date Reported: 04/03/06
	Client P.O.:	Date Completed: 04/03/06

WorkOrder: 0603596

April 03, 2006

Dear David:

Enclosed are:

1). the results of **1** analyzed sample from your **Albany Hill project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: Albany Hill	Date Sampled: 03/27/06
208 West El Pintado Road		Date Received: 03/28/06
Danville, CA 94526	Client Contact: David Rains	Date Extracted: 03/29/06
	Client P.O.:	Date Analyzed: 03/29/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0603596

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	VE-INF-3/27/06	A	ND	ND	0.92	0.84	0.33	1.2	1	111
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	A	25	2.5	0.25	0.25	0.25	0.25	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: Albany Hill	Date Sampled: 03/27/06
208 West El Pintado Road		Date Received: 03/28/06
Danville, CA 94526	Client Contact: David Rains	Date Extracted: 03/29/06
	Client P.O.:	Date Analyzed: 03/29/06

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603596

Lab ID	0603596-001A				Reporting Limit for DF =1	
Client ID	VE-INF-3/27/06					
Matrix	A					
DF	1				S	A
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND				NA	0.25
t-Butyl alcohol (TBA)	ND				NA	2.5
Diisopropyl ether (DIPE)	ND				NA	0.25
Ethyl tert-butyl ether (ETBE)	ND				NA	0.25
Methyl-t-butyl ether (MTBE)	ND				NA	0.25
Surrogate Recoveries (%)						
%SS1:	102					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Air QC Matrix: Water WorkOrder: 0603596

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 20979** **Spiked Sample ID: 0603594-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	60	100	109	8.64	98.9	98.7	0.170	70 - 130	70 - 130
MTBE	ND	10	95.8	94.2	1.68	96.3	96.8	0.552	70 - 130	70 - 130
Benzene	ND	10	95.3	94	1.32	94	95.3	1.45	70 - 130	70 - 130
Toluene	ND	10	97.7	95.7	2.11	95.2	95.7	0.441	70 - 130	70 - 130
Ethylbenzene	ND	10	96.9	95.5	1.55	95.1	95.9	0.849	70 - 130	70 - 130
Xylenes	ND	30	89.7	90.7	1.11	89.3	89.3	0	70 - 130	70 - 130
%SS:	115	10	107	106	0.965	108	109	0.880	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20979 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603596-001A	3/27/06 3:00 PM	3/29/06	3/29/06 12:55 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Air QC Matrix: Water WorkOrder: 0603596

EPA Method: SW8260B **Extraction: SW5030B** **BatchID: 20986** **Spiked Sample ID: 0603594-005C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	82.1	81.4	0.922	80.2	80.1	0.0847	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	111	114	2.57	106	102	3.90	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	103	104	0.970	102	100	1.50	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	90.6	90.7	0.132	87.5	87.3	0.151	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	95.3	94.7	0.647	91.1	92.2	1.20	70 - 130	70 - 130
%SS1:	101	10	103	104	0.644	102	102	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20986 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603596-001A	3/27/06 3:00 PM	3/29/06	3/29/06 2:08 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603596 **ClientID: ASED** **EDF: NO**

Report to:
David Rains
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526
TEL: (925) 820-9391
FAX: (925) 837-4853
ProjectNo: Albany Hill
PO:

Bill to:
Accounts Payable
Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Requested TAT: 5 days
Date Received: 03/28/2006
Date Printed: 03/28/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603596-001	VE-INF-3/27/06	Air	03/27/2006	☐	A	A										

Test Legend:

1	5-OXYS_A	2	G-MBTEX_AIR	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

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

0603596

ASE
AQUA SCIENCE ENGINEERS
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

Analytical Laboratory Name: McCampbell

Project Name: Albany Hill Sample Location: VE2

Sampled by: David Rains Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other AIR	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: TPH-G/BTEX/MTBE/5 oxys 8260	Type of Analysis to be Performed: TPH-D 8015	Other	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other
VE-INF-3/27/06	X				X						1	3-27-06	1500	X			X				

Total # of containers:

Relinquished by:	Date	Time	Received by:	Date	Time
	3-28-06	1635		3/28/06	440 pm

Comments:

ICE/t° ____
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____ PRESERVED IN LAB ____
DECHLORINATED IN LAB ____

PRESERVATION	VOAS	O&G	METALS	OTHER

8/24/00

APPENDIX G

Ozone Sparging Test Data

ALBANY HILL AIR SPARGE TEST DATA PERFORMED ON OS-2
POSITIVE PRESSURE (PSI)

DATE 04-26-06 TIME TEST BEGIN 0940

OBSERV. POINT	0940 INITIAL	TIME 0945	TIME 1000	TIME 1100	TIME 1200	TIME 1300	TIME 1400	TIME 1500	TIME 1600	TIME 1630	TIME
OS-1	0	0	0	0	0	0	0	0	0	0	
OS-3	0	0	0	0	0	0	0	0	0	0	
MW-2	0	0.15	0.15	0	0	0	0	0	0	0	
~~MW-3~~	0										
MW-6	0	0	0	0	0	0	0	0	0	0	
VE-2	0	0	2.3	0.4	1.5	3.5	3.3	3.1	3.05	2.95	

OTS AIR SPARGE TEST DATA PERFORMED ON OS-2
HELIUM (%)

OBSERV. POINT	0940 INITIAL	TIME 0945	TIME 1000	TIME 1100	TIME 1200	TIME 1300	TIME 1400	TIME 1500	TIME 1600	TIME 1630	TIME
OS-1	0	0	0	0	0	0	0	0	0	0	
OS-3	0	0	0.20	0.17	0.08	0.09	0.12	0.12	0.14	0.13	
MW-2	0	0	0	0	0	NM	0	0	0	0	
MW-3	0	0	0.03?	0	0	0	0	0	0	0	
MW-6	0	0	0	0	0.03?	0	0	0	0	0	
VE-2	0	0	1.0	7.3	NM	NM	NM	NM	NM	NM	
VE-3	0	0	NM	0.04?	0	0	0	0	0	0	

OPERATING PARAMETERS

ITEM	0940 START	TIME 0945	TIME 1000	TIME 1100	TIME 1200	TIME 1300	TIME 1400	TIME 1500	TIME 1600	TIME 1630	TIME
AIR COMPRESSOR PRESSURE (PSI)	52	50	40	35	32	20	20	19	19	18	
AIR COMPRESSOR FLOW (CFM)	3.5	3.5	3.5	3.5	3.0	BRO	KEN	CFM	GAU	GE	
PRESSRE AT INJECTION WELL (PSI)	35	30	23	16	11	12	12	12	12	12	
HELIUM FLOW (CFH)	15	15	15	20 NOTE 1	20 NOTE 2 NOTE 3	25	25	25	25	25	

DEPTH TO WATER (IN FEET)

WELL NAME	START	TIME 0945	TIME	TIME	TIME	TIME	TIME	TIME	TIME 1600	TIME	TIME
MW-2		6.15							6.14		
MW-3		6.52							6.50		
MW-6		6.30							6.28		

NM means not measured

NOTES:

1. AC IS RUNNING AT FULL BORE. CANNOT GET ANY ADDITIONAL PRESSURE FROM UNIT.
2. AT 1145 VAPORS COMING FROM VE-2 WERE MEASURED AT 683 W/ OVM.
3. AT 1150, ADJUSTED AC FLOW INTO WELL TO 3.0 CFM

* HELIUM METER WAS HOVERING @ 0.2 - 0.3 IN WELL. WHEN PROBE WAS REMOVED, METER WENT BACK TO 0.0

AT 1235, INCREASED HELIUM TO 25 CFH

AT 1300, DID NOT V FOR HELIUM IN MW-2 TO ALLOW FOR PRESSURE TO BUILD.

→ AT 1220, TEE FITTING ON THE CFM FLOWMETER BROKE. RE-PLUMBED SYSTEM W/O FLOWMETER.

APPENDIX H

Survey Data

CSS ENVIRONMENTAL SERVICES, INC.
Managing Cost, Scope and Schedule
100 Galli Drive, Suite 1
Novato, CA 94949
Telephone: (415) 883-6203
Facsimile: (415) 883-6204

Site Positions

6364B Aqua Science - Albany Site
Albany Hill Mini Mart
800 San Pablo Ave, Albany, CA

Horizontal Coordinate System: North American 1983-CONUS **Date:** 04/26/06
Height System: North American Vertical Datum 1988 Ortho. Ht. (GEOID99)
Project file: 6364 Aqua Science Fremont.spr
Desired Horizontal Accuracy: 0.200Ft + 1ppm
Desired Vertical Accuracy: 0.300Ft + 2ppm
Confidence Level: 95% Err.
Linear Units of Measure: Int. Feet

	Site ID	Site Descriptor		Position	95% Error	Fix Status	Position Status
All wells surveyed 04/21/06.							
1	MW-1	NORTH RIM (NR) WELL LOC	Lat.	37° 53′ 31.31547″ N	0.067		Adjusted
			Lon.	122° 17′ 59.67862″ W	0.073		
		NR Elevation	Elv.	49.25			
		W TOC Elevation	Elv.	48.82			
2	MW-2	TBM2 ON NR	Lat.	37° 53′ 31.88714″ N	0.067		Adjusted
			Lon.	122° 17′ 59.77284″ W	0.072		
		TBM-2/NR Elevation	Elv.	48.01			
		N TOC Elevation	Elv.	47.71			
3	MW-3	NR WELL LOC	Lat.	37° 53′ 31.60833″ N	0.047		Adjusted
			Lon.	122° 17′ 59.14295″ W	0.052		
		NR Elevation	Elv.	47.83			
		W TOC Elevation	Elv.	47.49			
4	MW-4	NR WELL LOC	Lat.	37° 53′ 31.14780″ N	0.114		Adjusted
			Lon.	122° 17′ 59.04553″ W	0.098		
		NR Elevation	Elv.	47.81			
		N TOC Elevation	Elv.	47.61			
5	MW-5R	NR WELL LOC	Lat.	37° 53′ 30.80584″ N	0.048		Adjusted
			Lon.	122° 17′ 58.55888″ W	0.052		
		NR Elevation	Elv.	47.66			
		N TOC Elevation	Elv.	47.36			
6	MW-6	THIS IS TBM-1	Lat.	37° 53′ 31.89466″ N	0.047		Adjusted
			Lon.	122° 17′ 58.90744″ W	0.051		
		TBM-1/NR Elevation	Elv.	46.849	0.111		
		SE TOC Elevation	Elv.	46.27			

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7	MW-7	NR WELL LOC	Lat.	37° 53′ 31.25132″ N	0.055		Adjusted
			Lon.	122° 17′ 59.39534″ W	0.053		
		NR Elevation	Elv.	48.69			
		NNE TOC Elevation	Elv.	48.36			
8	MW-8	NR WELL LOC	Lat.	37° 53′ 31.29687″ N	0.048		Adjusted
			Lon.	122° 17′ 59.16924″ W	0.052		
		NR Elevation	Elv.	48.21			
		W TOC Elevation	Elv.	47.99			
9	MW-9	NR WELL LOC	Lat.	37° 53′ 31.55817″ N	0.055		Adjusted
			Lon.	122° 17′ 59.81677″ W	0.058		
		NR Elevation	Elv.	49.45			
		NNW TOC Elevation	Elv.	49.24			
10	MW-10	NR WELL LOC	Lat.	37° 53′ 31.47654″ N	0.047		Adjusted
			Lon.	122° 17′ 58.77054″ W	0.052		
		NR Elevation	Elv.	47.12			
		W TOC Elevation	Elv.	46.90			
11	AS-1	NR WELL LOC	Lat.	37° 53′ 31.90896″ N	0.047		Adjusted
			Lon.	122° 17′ 59.57700″ W	0.052		
12	AS-2	NR WELL LOC	Lat.	37° 53′ 31.94819″ N	0.048		Adjusted
			Lon.	122° 17′ 59.36340″ W	0.052		
13	AS-3	NR WELL LOC	Lat.	37° 53′ 31.79452″ N	0.048		Adjusted
			Lon.	122° 17′ 59.07581″ W	0.052		
14	0882	MONUMENT HT0882	Lat.	37° 46′ 48.04137″ N	0.000	Fixed	Adjusted
			Lon.	122° 17′ 53.51060″ W	0.000	Fixed	
			Elv.	9.130	0.000	Fixed	
15	9563	MONUMENT JT9563	Lat.	38° 01′ 48.78742″ N	0.000	Fixed	Adjusted
			Lon.	122° 15′ 16.40456″ W	0.000	Fixed	
			Elv.	183.000	0.000	Fixed